

asu magazine

December 2014 volume 18 number 2

University researchers envision
vibrant, sustainable urban centers

Building intelligent

CITIES

ASU fuels
an American
manufacturing
renaissance

Sun Devils
transformed
by their ASU
experience

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collection
offers a museum
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President's Letter

In this issue, we share several stories of alumni whose experience at Arizona State University was transformative. We don't use that word lightly – for the alums showcased in this feature, ASU made the difference between a life on the trajectory that these Sun Devils previously had been traveling, and one

that has been lifted to an entirely different level.

Supporting transformative educational experiences is something that's woven into the university's mission as a New American University. Our design aspirations to enable student success, to transform society, and to call upon social embeddedness all touch upon this desire to provide students with a world-class education that will serve them for their entire lifetime, even as industries and world circumstances change. As you will see, the alumni profiled in our feature section made the most of university resources and are well on their way to giving back to the community in significant ways.

Our other features in this issue include a report on how ASU is helping to re-invent and transform American manufacturing practices. By facilitating research into sophisticated technological advances and supply-chain improvements, ASU is leading the way into a renaissance for the country's manufacturing capacity. Transformation is also in evidence in the feature about trans-disciplinary research into building "smart cities," which have the potential to help the world's rapidly growing urban population build a thriving and sustainable future through leveraging the use of digital technology and innovative design principles across all city functions.

As the year draws to a close, we hope that 2014 has been transformative for you in positive ways. The ASU Alumni Association provides numerous opportunities to connect with your dreams – from family engagement programs such as Sun Devil Generations and epic travel itineraries offered through ASU Travel & Tours to career networking and education provided by Alumni Career Resources, and much more. We appreciate your support if you're a member; your contributions allow us to offer events and programs to connect alumni to each other and to the university. If you're not a member, Alumni Association membership may be tax-deductible, so consider joining us as you ponder your end-of-the year giving plans.

We also wish you a safe and prosperous 2015, filled with success and plenty of Sun Devil pride! Go Devils!

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

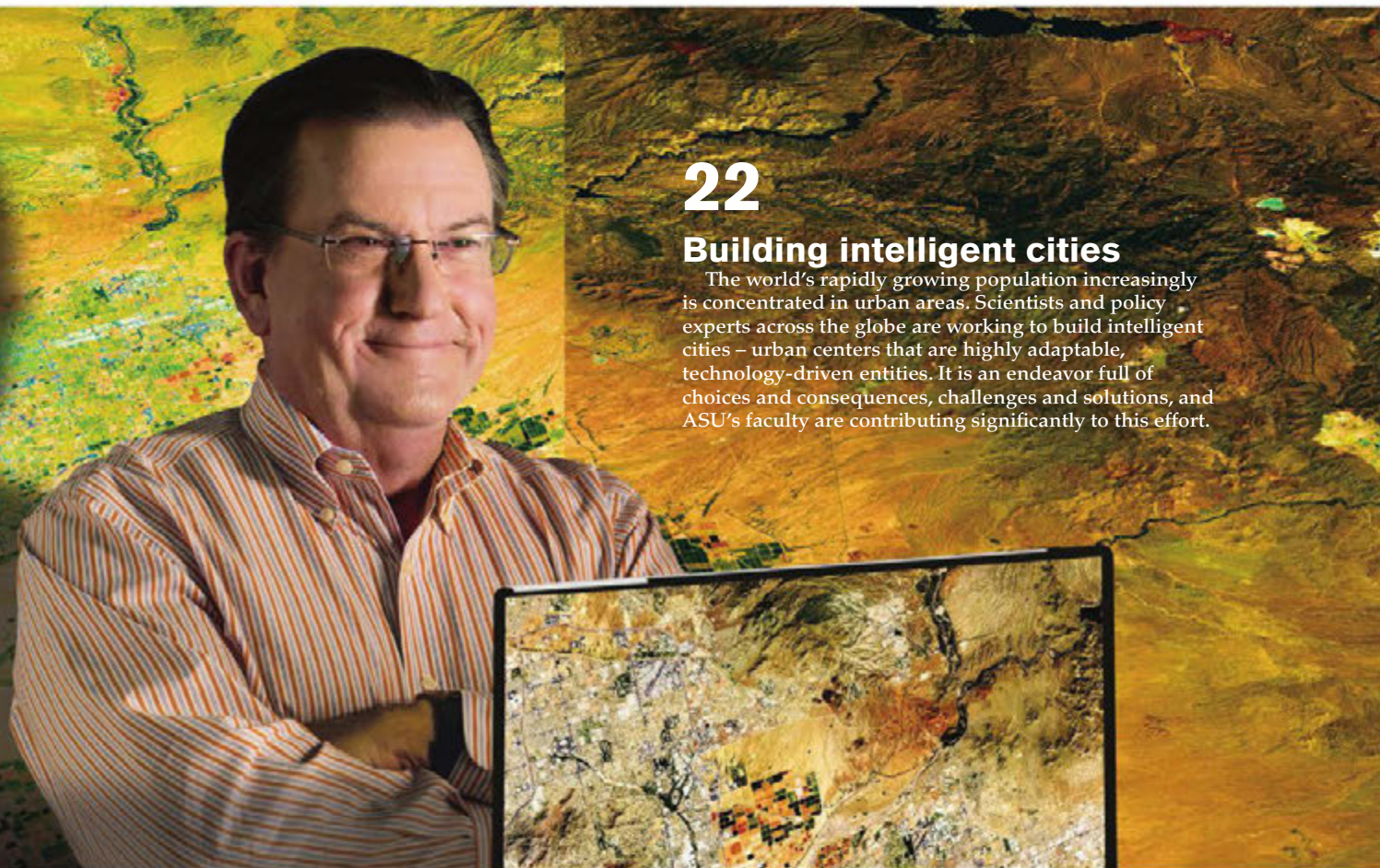


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Building intelligent cities

The world's rapidly growing population increasingly is concentrated in urban areas. Scientists and policy experts across the globe are working to build intelligent cities – urban centers that are highly adaptable, technology-driven entities. It is an endeavor full of choices and consequences, challenges and solutions, and ASU's faculty are contributing significantly to this effort.

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Factories of the future

Through technology and intelligence, ASU is helping to create a new story for manufacturing in the Phoenix area and in the United States. By concentrating on new-tech design, manufacturing and sustainability, the university is playing a key role in bringing manufacturing back from competitors overseas.

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Taking that first tentative step toward a college degree may be a natural progression for some students. For others it can mean crossing a chasm, establishing new family traditions, putting deep fears aside, and leaping into an unknown and potentially frightening future. Meet several ASU alumni who have crossed the chasm and had their lives – and futures – transformed by attending ASU.

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Better together

ASU joins University Innovation Alliance to boost access to college degree

Innovative educational tools and programs developed at Arizona State University now will be shared nationally through a new alliance of public universities coming together to boost the number of students from all economic backgrounds who earn a college degree.



ASU President Michael M. Crow is chairing the University Innovation Alliance, a coalition of public universities seeking to boost the number of students from all economic backgrounds who are able to earn a college degree.

ASU has announced recently that it will be a founding member of the University Innovation Alliance, an unprecedented coalition of public universities aimed at sharing interventions that enable low-income and first-generation college student success. The organization officially was launched at an event on Sept. 16.

“There is a lot of talk about disruption in higher education,” said ASU President Michael M. Crow, chairman of the alliance. “We think that the real disruption will come through collaboration. Colleges, typically, are forced to compete for students, research support and top spots on college rankings. While there are many institutions that have come up with creative solutions to some of our sectors’ most urgent problems, those ideas rarely travel far from where they are hatched.”

The alliance comes at a critical turning point in history, as the American workforce faces a shortage of college graduates that is projected to grow to 16 million by 2025, and poverty rates for Americans 25 years and older with no college education are three times higher than rates for those with at least a bachelor’s degree. Currently, high-income students are seven times more likely to attain a college degree than low-income students.

Alliance members serve large numbers of low-income and first-generation college students, and have pioneered programs that help students succeed. In addition to Arizona State University, members of University Innovation Alliance include: Ohio State University; Georgia State University; University of California, Riverside; Iowa State University; Purdue University; University of Central Florida; Michigan State University; University of Kansas; Oregon State University; and University of Texas at Austin.

Arizona State University brings to the alliance leading innovation tools, such as eAdvisor, that enable students to explore majors, map their classes and track their progress to completing a degree. Additional initiatives that have bolstered success and provided access for low-income students at ASU include:

- Obama Scholars Program, which provides funds for high-achieving students from lower-income families;
- Access ASU, which prepares Arizona students for the university through collaboration with school administrators and educators;
- ASU Preparatory Academy, a K-12 charter school that prepares students for academic success through personalized attention, rigorous academic standards, learning labs for personal assistance, family and community involvement and extended instruction in reading, math and science.

The founding members of the University Innovation Alliance have raised \$5.7 million dollars to facilitate the endeavor. Funding support for the alliance from outside donors includes contributions from the Ford Foundation; The Bill and Melinda Gates Foundation; Lumina Foundation; Markle Foundation; Kresge Foundation; and USA Funds.

For more information on the University Innovation Alliance, visit <http://www.theuia.org>.



Professor Angelo Kinicki of the W. P. Carey School of Business says humble CEOs are more willing to seek feedback about themselves and to empower others.



ASU is ranked No. 2 in the nation among up-and-coming schools in the 2015 U.S. News and World Report Best Colleges Rankings.

At your service

Study shows humble CEOs are good for business

Forget the stereotypes of arrogant, macho leaders who don't care about anyone else's opinion. A new study from the W. P. Carey School of Business shows humble CEOs significantly benefit a company and its management – likely more than blowhard bosses who think it's their way or the highway.

"Humble CEOs are more open to making joint decisions and empowering others," says Angelo Kinicki, professor in the W. P. Carey School of Business and one of the study's authors. "Their behavior positively affects both top and middle managers, who then exhibit higher commitment, work engagement, job satisfaction and job performance. We see a trickle-down effect that seems to influence the company overall."

The new research published in *Administrative Science Quarterly* comes from Kinicki, Anne Tsui and David Waldman of the W. P. Carey School of Business, as well Amy Ou of the National University of Singapore, Zhixing Xiao of George Washington University and Lynda Jiwen Song of the Renmin University of China.

The researchers interviewed the CEOs of 63 private companies in China, and also created and administered surveys measuring humility and its effects on about 1,000 top- and middle-level managers who work with those CEOs. They specifically chose China because they needed a context in which CEOs would display a wide variety of humility levels. However, they believe the findings will generalize to many companies in the United States.

"Our study suggests the 'secret sauce' of great, humble managers," explains Kinicki. "They are more willing to seek feedback about themselves, more empathetic and appreciative of others' strengths and weaknesses, and more focused on the greater good and others' welfare than on themselves."

Kinicki says leadership behavior normally cascades downward, so it's likely humility at the top effects just about everyone at a company. He says he knows some people may be surprised by the study results, but he summarizes, "It's time we understood that humility isn't a sign of weakness or lacking confidence, but rather, a good thing that can benefit us all."

The full study is available at <http://asq.sagepub.com/content/59/1/34.full.pdf+html>.

ASU ranked No. 2 in nation among up-and-coming schools

University rises in 2015 U.S. News and World Report rankings

Arizona State University is ranked No. 2 in the nation among the list of "up-and-coming schools" in the 2015 U.S. News and World Report Best Colleges Rankings. The ranking looks at universities most often cited by college administrators as schools that have made the most promising and innovative changes in academics, faculty and student life.

ASU is a leader in student entrepreneurship, community partnerships and student support services, and continually offers new degrees in emerging fields.

Rankings compiled for the Best Colleges report includes data on nearly 1,800 colleges and universities. The W. P. Carey School of Business at ASU was recognized among the nation's top 30 for undergraduate business schools – the ninth time in 10 years the school has made the top 30 list. The Ira. A. Fulton Schools of Engineering also is advancing among the best undergraduate engineering programs in the nation, at number 41 in the rankings, moving up from 43 last year.

ASU also is ranked 34th among the best colleges for veterans and No. 63 for the country's top public schools. Among national universities overall, ASU moved up to 129 from last year's ranking of 142 in the nation.

Other notable milestones that ASU programs have earned through previously released U.S. News and World Report rankings include the W. P. Carey School of Business that ranked No. 2 in the nation for the best online graduate business program. U.S. News and World Report cites the school's graduate business programs that are accredited by the Association to Advance Collegiate Schools of Business, the gold standard of business school accreditation.

Online bachelor's programs at ASU also have scored among the top 10 in the nation, at the No. 9 position. ASU is the only school in the Pac-12 to make the top 10 among best online bachelor's programs.

In addition, ASU's Sandra Day O'Connor College of Law is ranked 31st nationwide among public and private law schools, according to the 2015 "Best Law Schools" list released by U.S. News & World Report. The College of Law's legal writing program also ranked No. 8.



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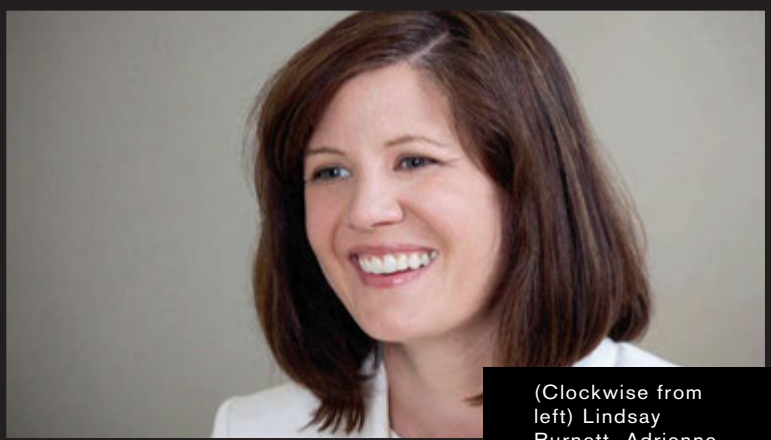
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(Clockwise from left) Lindsay Burnett, Adrienne Luce and Jameson Van Houten are the recipients of this year's Distinguished Alumni Awards from Barrett, the Honors College at ASU.

With highest distinction

Barrett announces 2014 Distinguished Alumni Award recipients

Barrett, the Honors College at ASU announced this year's Distinguished Alumni Award recipients, who were recognized at the college's annual alumni reunion on Thursday, Oct. 30, as part of ASU's Homecoming festivities. The award, which salutes the professional, research and community service achievements of ASU alumni who are graduates of the honors program, recognized the following three individuals this year.

Lindsay Burnett '01 B.S., '07 Ph.D.

Research Professor, University of Illinois College of Medicine

Lindsey Burnett has devoted her personal and professional life to improving the health of women. She began her journey to this destination by getting a bachelor's degree in biology and her doctorate in molecular and cellular biology at ASU, and continued her quest as a research assistant professor at University of Illinois, studying uterine and breast cancer cells. Her desire to understand better the clinical problems women face led her to pursue a medical degree. Throughout her career, her time away from studying has been spent educating politicians about health care topics, teaching students, and seeing patients at the local free clinic, for which she also secured grant funding. She is currently in her final year of medical school and plans to specialize in obstetrics and gynecology, in order to help women through research, teaching, and clinical care as a physician-scientist.

Adrienne Luce '92 B.A.

Director of corporate social responsibility & president, HMC Designing Futures Foundation for HMC Architects

Adrienne Luce is a third-generation Los Angeles resident who is deeply invested in the future of California. For more than 20 years as a nonprofit leader, Luce has worked to advance initiatives that promote creativity and innovation while

expanding opportunities for underserved students. As the director of corporate social responsibility and president of the Designing Futures Foundation at HMC Architects, Luce works to leverage all the firm's assets to impact the community positively, with a focus on STEM (science, technology, engineering and math) education, architecture/design, environmental

sustainability, health/human services and disaster relief. Luce received her bachelor of arts degree in art history from ASU and her master's degree from Claremont Graduate University.

Jameson Van Houten '98 B.S.

CEO/founder, Stonegate Financial Group

Jameson Van Houten, who received his degree in marketing at ASU, exemplifies leadership in his profession and in his community. Van Houten has built Stonegate Financial Group into one of the top independent wealth management firms for high-net worth families, business owners and institutions.

Van Houten also lends his time and expertise to the community in various ways: he currently provides *pro bono* financial planning for families in need, previously served as an advisory board member for the ASU Foundation's gift planning committee, and most recently was appointed by the mayor to serve as executive board member for the Paradise Valley Public Safety Retirement Plan Board and Personnel Appeals Board. He has been able to help children with life-threatening conditions by supporting heart surgeries for disadvantaged children as an esteemed member of the Gift of Life-Arizona program and by making their wishes come true through his service on the governing and executive boards of Make-A-Wish Arizona.

For more information about Barrett alumni programs visit: <http://barretthonors.asu.edu/alumni>.



ASU's School of Film, Dance and Theatre, known for its innovative, community-based, socially engaged artistic practice, recently won a grant from the National Endowment for the Arts that will explore the connections Phoenix residents have to their communities.

Place makers

ASU, grant partners to explore community connections

The ASU School of Film, Dance and Theatre in the Herberger Institute for Design and the Arts, in partnership with the Phoenix Office of Arts and Culture Public Art Program and the local nonprofit organization Friendly House will receive a \$100,000 National Endowment for the Arts (NEA) Our Town grant.

The grants are awarded annually to fund innovative efforts to stimulate local economies and bolster community identity through the arts. Phoenix is one of 66 communities from 38 states and the District of Columbia to receive a grant during the Our Town program's fourth year of funding.

The school will work with its grant partners to create "Story Days," a two-year series of story-based arts programs and events that explore the connections Phoenix residents have to their communities. The project will bring diverse communities together with writers and performers to highlight the forces that shape the meaning of place in Phoenix and its neighborhoods.

"This grant represents an extraordinary opportunity for both our students and the communities with whom they will be collaborating, a chance to help define a new kind of relationship between city and university," said Jake Pinholster, director of the ASU School of Film, Dance and Theatre.

The grant will enable the School of Film, Dance and Theatre and the Phoenix Office of Arts and Culture to select writers and performers to work directly with the Harmon Park, Matthew Henson and South Mountain communities, creating stories, poems and performances about community history and identity. The artists and community members involved in the project will present readings, performances and events at venues such as Friendly House and other sites throughout the city.

"Story Days" highlights Arizona State University's ambitious new program in community-based, socially engaged artistic practice. It will bring art students, faculty, visiting artists and community residents together in common creative workshops. "The Herberger Institute is committed to placing artists at the center of public life, and deploying the talent and creativity of our faculty and students to bring forward the powerful and passionate voices of all of our city's residents," said Steven J. Tepper, dean of the Herberger Institute. "This unique partnership with the city and the NEA highlights the power of socially



A \$1 million grant from the Donald W. Reynolds Foundation will enable ASU journalism students to produce daily coverage of business and economic issues for regional and national media outlets.

engaged arts practice to build and strengthen our local community."

This is the second Our Town grant awarded to the Phoenix Office of Arts and Culture Public Art Program; the first grant was also in partnership with the Herberger Institute for Design and the Arts, for the Feast on the Street.

By the numbers

Journalism school launches business reporting program

ASU's Walter Cronkite School of Journalism and Mass Communication is establishing a business reporting program through a \$1 million grant from the Donald W. Reynolds Foundation that will offer its students unique reporting experiences while producing critical business and economic stories.

When it opens in January, the Donald W. Reynolds Business Reporting Bureau will be the only university-based newsroom in the country that produces daily coverage of business and economic issues for regional and national media outlets. The Reynolds Business Reporting Bureau will be located in a state-of-the-art newsroom at the Cronkite School on ASU's Downtown Phoenix campus and will be part of the news operations at Eight, Arizona PBS – the largest media organization run by a journalism school in the world. The bureau also will distribute stories through Cronkite News Service, which annually feeds some 700 stories to regional news organizations.

As part of the grant, the Cronkite School will hire a prominent business journalist to serve as director of the bureau, leading newsroom operations and providing guidance to students during the fall and spring semesters. In the summers, the director will lead business coverage for the Carnegie-Knight News21 program, a national initiative where top journalism students from across the country report on an issue of national significance. The grant also annually covers four students to participate in News21 each summer, covering business and economic aspects of the project.

The Reynolds Business Reporting Bureau is part of a growing constellation of Cronkite professional immersion programs that will be contributing to Eight, Arizona PBS. The new bureau marks the ninth immersion experience available to Cronkite students.



Michelle Mohr Carney is the new director of the School of Social Work.

Domestic violence researcher is new ASU School of Social Work director

Earlier this year, Michelle Mohr Carney became the new director of the School of Social Work, part of the College of Public Programs, located on the downtown Phoenix campus. She comes from the University of Georgia, where she was a professor in the School of Social Work and director of the Institute for Nonprofit Organizations.

Carney takes over the largest social work school in the Southwest, with 1,338 students. The school boasts the third-largest graduate program at ASU, handing out 293 master's degrees last year.

The School of Social Work recently celebrated its 50th anniversary. It has outposts in Tucson, and Flagstaff, and it's home to the Center for Applied Behavioral Health Policy, the Southwest Interdisciplinary Research Center and several specialty offices, including the Office of Sex Trafficking Intervention Research.

"Michelle brings substantial expertise to the school in working with nonprofit agencies and systems dealing with justice-involved clients," says social work professor José Ashford, who led the faculty search committee. "She is well-known for her work in treating domestic violence offenders, and in teaching and researching administrative practices."

Carney calls herself a problem solver, and has worked in domestic violence research projects since she was an undergraduate at the Ohio State University in the late 1980s. Carney focuses on developing effective program evaluations. In Columbia, South Carolina, she helped create a predictive model for a domestic violence offender program that helped flag people with particular characteristics that were in danger of dropping out. She also helped the center put a pre-test/post-test model into place to measure whether offenders were less coercive, less passive aggressive and less controlling.

Besides her research background, Carney brings experience in the nonprofit sector as a project manager in charge of evaluating outcomes of a juvenile delinquency diversion program, and as a development director in charge of fundraising for multiple nonprofits.

New American University

2014 and Beyond

ASU releases first-ever charter, updated institutional goals list

This fall, ASU released its first-ever charter statement and an updated list of institutional goals. The document further refines the New American University concept and provides achievement targets for the next six years, through the year 2020.

The charter statement expresses the overarching goals of the university and how it will operate. It reads:

"ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves."

The goals section of the new document outlines goals for numerous areas of the institution. A few highlights include:

- Improve freshmen persistence to 90 percent.
- Enroll 100,000 online and distance education degree seeking students.
- Attain national standing in academic quality for each college & school (top 5-10 percent for each college).
- Enhance research competitiveness to more than \$700 million in annual research expenditures.
- Establish, with Mayo Clinic, innovative health solutions pathways capable of educating 200 million people about health care.
- Increase the number of qualified K-12 teachers by 25 percent and develop a tool for teachers and administrators to evaluate educational performance and outcomes.

To view the complete Charter and Goals document, visit ASU Magazine's online version of University News or the Office of the President website at <http://president.asu.edu/node/262?device=desktop>.



Paul Johnson, dean of the Ira A. Fulton Schools of Engineering, is the recipient of the 2014 Brown and Caldwell Lifetime Achievement Award.

Dean honored for environmental engineering achievements

Paul Johnson, dean of the Ira A. Fulton Schools of Engineering and professor in its School of Sustainable Engineering and the Built Environment, is the recipient of the 2014 Brown and Caldwell Lifetime Achievement Award for his contributions to environmental engineering.

Johnson's "remarkable career as a pioneer, inventor and educator" in the field was cited in presenting him the award at the Battelle International Conference on Remediation of Chlorinated and Recalcitrant Compounds in Monterey, Calif.

Johnson's expertise is in determining impacts posed by contaminants in the environment, and developing methods to remedy or reduce the impacts. Specifically, his work focuses on contaminated soil and groundwater remediation and human health risk assessment. His research is the basis for many widely used technologies and regulatory measures on human health risk assessment.

In 2011, his research group received the Strategic Environmental Research and Development Program Project of the Year Award, which is given by the U.S. Department of Defense's environmental science and technology program in partnership with the Environmental Protection Agency.

"Paul's contributions to the world of remediation bridge both academics and applied science," said Jeffrey Pintenich, vice president and technology director for Brown and Caldwell. "He has mentored generations of engineering students, and his work has led to proven, measurable environmental advances on hundreds of projects in North America and around the world."

Prior to joining the faculty at ASU in 1994, Johnson was a senior research engineer at Shell Oil/Shell Chemical Westhollow Technology Center. He was editor of the National Ground Water Association's journal, *Ground Water Monitoring and Remediation* from 2003-2011.

Along with the Brown and Caldwell award, in 2006 Johnson's professional contributions also earned him the Association for the Environmental Health of Soils Academic Career Recognition Award.

In recognition of his contributions to education, Johnson was named Outstanding Educator of the Year by the Arizona Professional Engineers Society in 2011 and, earlier this year,

received the Nathan Burbank Environmental Educator of the Year Award from the AZ Water Association.

ASU's Charles Arntzen named Arizona Bioscience Researcher of the Year

Charles J. Arntzen, the founding director of the Biodesign Institute at Arizona State University, recently was named the 2014 Arizona Bioscience Researcher of the Year. The award is given annually to the life science researcher in Arizona who has made the most significant contributions to the advancement of knowledge and the understanding of biological processes.

"Charlie was instrumental in helping create an experimental drug called ZMapp that was recently used to treat U.S. aid workers infected with Ebola this summer," said Joan Koerber-Walker, president and CEO of the Arizona Bioindustry Association. "His work has put Arizona on the map in new ways as people all over the world are fascinated by the idea that it is possible to produce medicine inside a plant."



Charles Arntzen, founding director of the Biodesign Institute, was named the 2014 Arizona Bioscience Researcher of the Year.

Arntzen's primary research interests are in plant molecular biology and protein engineering, as well as the utilization of plant biotechnology for enhancement of food quality and value, and for overcoming health and agricultural constraints in the developing world. He has been recognized as a pioneer in the development of plant-based vaccines for human disease prevention, with special emphasis on needs of poor countries, and for disease prevention in animal agriculture. His work developed the technology by which human proteins (such as Zmapp) can be expressed in and harvested from plants.

Arntzen is the Florence Ely Nelson Presidential Endowed Chair and Regents' Professor in ASU's School of Life Sciences. Prior to coming to ASU in 2000, Arntzen was president and CEO of the Boyce Thompson Institute for Plant Research. He served on President George W. Bush's Council of Advisors on Science and the National Nanotechnology Oversight Board.

Arntzen was honored at the AZBio Awards Gala on Sept. 17 at the Phoenix Convention Center.



The W. P. Carey School of Business undergraduate program was ranked in the Top 30 by U.S. News & World Report for the ninth time in 10 years.

U.S. News & World Report ranks W. P. Carey School in the top 30 again

U.S. News & World Report has ranked ASU's W. P. Carey School of Business among the nation's top 30 undergraduate business schools for the ninth time in 10 years.

In addition to a No. 29 ranking overall, the undergraduate business program is also among the top 10 in the West. The school's acclaimed supply chain management program ranks No. 3 nationwide in the specialty category for its field. In addition, the school has several other programs ranked with U.S. News & World Report in the Top 30 in their specialties – accounting at No. 30, entrepreneurship at No. 19, management at No. 20, management information systems at No. 15 and marketing at No. 23.

"We're proud to strive for and achieve excellence year after year, thanks to our dedicated faculty, staff, students and alumni," says Amy Hillman, dean of the Carey School. "This ranking is determined by deans and senior faculty members at peer schools, who understand what it takes to create and maintain a fantastic business program."

The business school has achieved many other recent Top 30 rankings, as well, including:

- U.S. News & World Report ranks the school's full-time MBA program No. 27 in the nation.
- U.S. News ranks the school's online MBA No. 2 nationwide and the school's evening MBA No. 18 among part-time MBA programs.
- Britain's Financial Times ranks the school's online MBA program Top 10 worldwide.
- The Financial Times ranks the school's China-based executive MBA program No. 28 worldwide.
- The University of Texas at Dallas ranks the Carey School Top 30 worldwide for business-school research productivity.
- The Center for World-Class Universities at Shanghai Jiao Tong University ranks the business school No. 22 in the world for economics/business.

For more information about the W. P. Carey School of Business, visit www.wpcarey.asu.edu.



Lindy Elkins-Tanton, an expert in planet formation and evolution, has been named director of the School of Earth and Space Exploration.

Planetary formation expert to head School of Earth and Space Exploration

Lindy Elkins-Tanton, an expert in planet formation and evolution, has been named director of ASU's School of Earth and Space Exploration. She began working at the school on July 1.

Elkins-Tanton comes to ASU from the Carnegie Institution for Science in Washington, D.C., where she served as director of the Department of Terrestrial Magnetism. There, she was responsible for leading the department in the pursuit of 'big' science questions, high-risk investigations and long-term research.

"Dr. Elkins-Tanton's expertise, experience and vision fit perfectly with the core strengths that the School of Earth and Space Exploration have established in the geological sciences, astronomy, astrophysics and cosmology," said Ferran Garcia-Pichel, dean of natural sciences, College of Liberal Arts and Sciences. "The school is at the forefront of developing new transdisciplinary links among the sciences. We are fortunate to attract this exceptional scientist to lead it."

As a researcher, Elkins-Tanton's own interests are interdisciplinary in nature. Her scientific studies explore planetary formation, magma oceans and subsequent planetary evolution, formation of large volcanic provinces and interactions between silicate planets and their atmospheres. After graduating from MIT with a bachelor's degree in geology and a master's in geochemistry, she spent eight years working in business, with five years spent writing business plans for young high-tech ventures, before returning to MIT for her doctorate. She went on to pursue research opportunities at Brown University, then joined the MIT faculty. Within 10 years of completing her doctorate, as an associate professor in geology, she was recruited to the directorship position at Carnegie.

Elkins-Tanton has received numerous scholarly honors, including being named a two-time National Academy of Sciences Kavli Frontiers of Science Fellow and serving on the National Academy of Sciences Decadal Survey Mars panel. The second edition of her six-book series, "The Solar System," a reference series for libraries, was released in 2010.



A grant from the Women & Philanthropy program of the ASU Foundation For A New American University will enable journalism students to report news more easily from remote, rural regions across Arizona.

New grant provides funds for mobile video journalism technology

Starting this fall, students at ASU's Walter Cronkite School of Journalism and Mass Communication will report live from across the state using cutting-edge technology, thanks to a new grant from Women & Philanthropy, a program of the ASU Foundation for A New American University.

The Cronkite School received the grant in support of a new initiative called Access Across Arizona, which will make it possible for students to report news more easily from Arizona's rural and remote regions. The school will use the grant funds to acquire a mobile video transmitter for live broadcast reports and pre-recorded video from the field. Cronkite is one of a handful of schools in the country to offer this new technology to students.

Through Access Across Arizona, ASU journalism students will use a Dejero LIVE+ 20/20 Transmitter for Cronkite News Service, an immersive professional program in which students produce multimedia news stories that are widely used by professional media outlets across Arizona, and Cronkite NewsWatch, the school's award-winning television newscast that reaches 1.9 million households on Arizona PBS.

The Cronkite School is one of four ASU programs recently to be awarded grants by Women & Philanthropy, which this year distributed more than \$300,000 to fund arts entrepreneurship,

biomedicine, engineering outreach and journalistic access. Since its inception 11 years ago, the philanthropic group has awarded \$2.57 million in grants to 71 ASU programs and initiatives.

In 2013, Women & Philanthropy helped fund the Cronkite School's Carnegie-Knight News21 student investigation into the battles facing post-9/11 women veterans as they returned home from war. Previously, the group funded a news van that brings the Cronkite School journalism experience into high school classrooms.

ASU, National Academies turn up the volume on science policy discussion

To say that science and technology play an important role in our lives is an understatement, according to Daniel Sarewitz, co-director of ASU's Consortium for Science & Policy Outcomes and professor of science and society at Arizona State University. But science policy, which relates to everything from the creation of new

jobs to the prevention of disease to dealing with climate change, gets only lip service inside the Washington, D.C., beltway, and not much more from those outside the beltway, he asserts.

Sarewitz is playing an active role in helping to change that situation. He recently celebrated his one-year anniversary as co-editor of the quarterly magazine *Issues in Science and Technology*, which is co-published by ASU and the U.S. National Academies, the umbrella organization that is comprised of the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council.

The magazine broadly covers the policy of science – how to keep a research enterprise healthy and productive – and science for policy, or how we use knowledge and innovation effectively to achieve social goals. It boasts an international audience of decision-makers and thinkers in universities, government and industry.

Sarewitz said regarding the magazine, "We want to create a more compelling voice, heard inside and outside the beltway, about the challenges of using scientific and technological advances to make the world a better place. We (publish) really interesting, well-written, provocative articles about questions of science, technology, society and policy ... We want everyone who is concerned about the future to recognize why these questions should be at the forefront of their attention."

For more information on *Issues in Science and Technology*, or to subscribe, visit <http://www.issues.org>.



Sun Devils for life

New Gold Devil Life Members

Joseph M. Adler '99 B.S.
Manuel R. Aragon
'65 B.A.E., '69 M.A.E.
James D. Attwood '13 B.A.
Michael T. Austin '92 B.S.
Stephen A. Basila '77 B.S.
Nancy M. Basila
Todd M. Bazin '00 B.S.
Robert T. Belt '94 B.S.E.
Greg Benjamin '13 M.S.
Sandra M. Bensley
'03 B.A., '03 B.A., '06 J.D.
Theodore M. Biewer
'94 B.S., '94 B.A.
Carol J. Carlson '70 B.A.E.
John D. Carlson '70 B.A.E.
Bernard Castillo '00 B.S.
Josemar A. Castillo
'11 Ph.D.
Nolan C. Cheshire
'14 B.S.E.
John S. Chilstrom '76 B.S.
Daniel J. Clark '91 B.S.
Paul B. Clyde '69 B.S.
Jeanete P. Clyde
Joel R. Coats '70 B.S.
Amy A. Cohn '86 B.S.D.
Brian W. Cole '89 B.S.E.,
'02 M.B.A.
Lisa S. Cole
Dennis G. Crandall
'83 B.S.
Laura Crandall
Kenneth M. Crumbaker
'08 B.A.
Deborah A. Curbey
'77 B.A.E.
Donald H. Dearth '76 B.S.
John J. Doran '02 B.S.E.,
'10 M.C.S.T.
Mary L. Drazek '77 B.S.,
'99 M.B.A.
Kay E. Egley '77 B.S.
Christopher D. Floyd
'97 B.S., '07 M.S.
Eric M. Flynn '85 B.S.
Alexander V. Forte
'72 B.S.E.
David A. Freed '69 B.S.
Jon M. Froke '87 B.S.D.

Kathleen M. Furlong
'96 B.S.
Alison W. Gannon
'01 M.P.A.
Andrew J. Goodman
'88 B.S.D.
Kevin T. Guinan '00 B.A.
Janet E. Haning '85 B.S.W.
David C. Housel
'71 B.A.E., '74 M.A.E.,
'82 Ph.D.
Harvey L. Hubbs '63 B.S.,
'67 M.S.
Spenser D. Iatridis
'06 B.S.
Martin L. Johnson '72 B.S.
Julie A. Johnson '76 B.S.
Kristina Johnson '13 B.A.,
'13 B.S.
Lance R. Kaufman '11 B.A.
Tom Keck '01 B.S.
Michael W. King '88 B.A.
Chad H. Kolodisner
'91 B.S.
Liesl R. Kolodisner
'94 M.H.S.A.
Wilson A. Landmark
'94 B.A.
William S. Littleton
'86 B.S.
Anthony M. Louisiana
'97 B.S.N.
Paul D. Mancuso
'73 B.S.E.
Kevin R. Martel '99 B.S.E.
Jessica V. Martel
Carla M. Mauro '97 B.S.
Kristopher J. May
Michael R. McCormick
'79 B.S.
Jerry G. McManus '88 B.S.
Paul R. Messinger
Gregory N. Moody
'75 B.S.
Laurence J. Moore
'65 M.S., '70 Ph.D.
Marcella A. Murray
'73 B.S.
Kathleen G. Murray
'78 B.A.E.

Michael P. Nolde-Morrissey
'92 B.S.
Kristi P. Nolde-Morrissey
'92 B.S.
John J. O'Neill '94 M.S.W.
Albert D. Orwig '83 B.S.
Kathryn N. Orwig
Lisa A. Palucci '98 B.S.N.
Victoria L. Patzer
'03 B.I.S.
Christopher W. Person-
Rennell '08 B.S., '09 M.A.
Brent M. Roberts
'14 M.B.A.
George F. Robinson
'06 B.S.A.
Mathew R. Rodriguez
'08 B.I.S.
Charles Frances Sands
'66 B.S.
Jennifer E. Sands
Lynn M. Saxen '05 B.S.,
'06 M.TAX.
Kristin L. Schaffter
'90 B.A.
Stanley A. Schuett
'87 M.B.A.
Sam Sekaquaptewa
'95 B.S.E.
Marcus K. Sipolt
'98 M.B.A.
David P. Smith '14 B.I.S.
Wade R. Swanson
'95 B.A., '99 J.D.
Steven L. Troxler '09 B.S.,
'09 B.S.
Muthukumar Vaithianathan
'10 M.B.A.
Richelle M. Van Gelder
'11 B.S.
Robert C. Viergutz
'96 B.S.D., '98 M.ARCH.
Graham A. Walker
'54 B.S.
Emerson Ward '06 B.S.
Kari C. Ward '05 B.S.
James Calleroz White '12 Ed.D.
James D. Yundt '68 B.S.
Thomas J. Zawicki '66 B.S.

New Life Members

Arlinda L. Adams '68 B.A.E.
Julia E. Abraham '11 B.I.S.
Matthew W. Acton '90 B.A.,
'06 M.S., '14 Ph.D.
Steven J. Adams '89 B.F.A.,
'99 M.Ed.
Sheila L. Ainlay '82 M.A.,
'84 Ph.D.
Eric N. Assouline '93 B.S.
Mary Au '06 M.B.A.
Michael R. Bandemer '90 B.S.
Tina L. Bandemer '90 B.S.
Christopher A. Barchfeld
'13 B.S.E.
Wendy L. Basara '84 B.S.,
'86 M.B.A.
David A. Baylor '82 B.S.
Kline M. Bentley '94 B.S.E.,
'01 M.B.A.
Travis R. Bleile '14 B.S.
Janice K. Boerner '58 B.A.,
'61 M.A.
Ryan J. Bowman '13 B.S.
Lonna J. Brazeel '88 B.S.
Missy M. Brost '01 B.S.E.
Joshua G. Brost '01 B.S.E.
David C. Bryan '13 M.B.A.
Jacob C. Bunch '10 M.Np.S.
Kevin Burke '12 M.A.
Edward R. Casasola '13 B.S.
Kevin Chao '02 B.S.
Rebecca A. Chaparro
'10 B.S.D., '13 J.D.
Jacob C. Chaparro '09 B.S.D.
Bryce Coppin '04 B.S.
Robert T. P. Corwin '09 B.A.E.
Judy M. Coseglia '05 B.A.
Anna L. Crouch '00 B.A.
Donna M. Dahl '74 M.S.W.
Alexandra M. De La Paz
'03 B.S.
Brian W. Dean '93 B.S.E.,
'07 M.B.A.
Christine M. DePauw '97 B.A.
Laura B. Dickerson '13 B.A.
Dawn Dow '70 B.A.
Vicki A. Edwards '79 M.A.E.
Jonathan Elosegui '12 B.A.
Kyle S. Erickson '04 B.S.
Joaquin P. Fejeran '87 B.S.E.

We welcome the following individuals, who joined the ASU Alumni Association at the Gold Devil Life or Life level between June 12 and Aug. 26, 2014.

Sheri Fejeran
Sandra M. Fink '89 B.A.E.S.E.
Kevin P. Flynn '02 M.B.A.
Thomas J. Fritzemeyer '92 B.S.
Greg S. Gale '99 B.S.
Aytekin Gel '07 M.B.A.,
'12 M.ENG.
John D. Gibson '05 B.S.,
'10 M.B.A.
Daniel A. Goodrich '85 B.S.E.
Holly K. Gorman '93 B.S.
Mark Gorman
Evan A. Gottler '11 B.S.E.
Tracy L. Haddad '13 B.MUS.
Susan V. Hancock '70 B.A.,
'72 M.A.
Kandy L. Hartman '80 B.S.
Patrick J. Hatten '79 B.S.
David J. Hawks '11 B.S.
Matthew F. Hick '90 B.S.
Diana J. Hildebrand '12 B.A.E.
Barbara M. Hoerl-Labrie
'83 B.S.N.
Laura M. Holmstrom '90 B.A.
Michele R. Holtz '09 B.A.
Shawn K. Hoskin '11 M.B.A.
Parker J. Howes '08 B.S.,
'08 B.S.
Larry J. Hudack '66 M.S.E.
Christopher L. Hyslop '94 B.S.
John F. Isaacson '88 B.S.E.
Marissa D. Ivie '14 B.A.,
'14 B.S.
Michael J. Jacobson '12 M.B.A.
Michelle L. Jung '01 B.S.,
'04 M.S.
Kendall M. Karn '12 B.S.N.
Carol W. Kasmiskie '78 B.S.,
'82 B.S.
Dalton J. Kelchner '12 B.S.
Stephen D. Knight '11 B.I.S.
Kamron N. Kompani '13 B.S.
Steven M. Lane '76 B.ARCH.
Danielle R. Lansing '11 Ed.D.
Kathy Lyn '79 B.A.E.
Tammy L. Marcelja '84 B.S.

John J. McAuliffe '13 B.S.
Barrett C. Michel
Debra A. Miller '13 B.A.,
'13 B.S.
Matthew Moosbrugger '14 B.S.
Leona M. Morales '09 M.ED.
Keith Joshua D. Oarde '12 B.S.
Edward W. Olsen '95 B.A.
Charles J. Olson '78 B.S.
Chelsea A. Oyen '99 B.A.
Lingyun Parati '90 B.S.,
'92 M.S.
Melanie D. Payne '95 B.S.
Aruni S. Perera '13 B.A.,
'13 B.S.
Gloria A. Perez '00 B.S.N.,
'04 M.S., '09 Ph.D.
Natasa Peric '13 B.A.
Jeffrey M. Powell '12 M.B.A.
Spencer A. Prost '13 B.S.
Christian P. Rauschenbach
'14 M.B.A.
Nancy K. Rawls '79 B.S.
John R. Rawls '79 B.S.
Fred E. Reeder '76 B.A.E.
Michelle A. Rivas '13 B.A.
Chris Rodriguez
Jacob D. Rodriguez '09 B.A.
Cynthia M. Rosenberger
'78 B.S.
Jay Rosenberger
Arvind S. Salian '06 M.B.A.
Erica J. Sanchez '06 M.S.
Ian E. Schmidt '14 M.B.A.
Michael A. Schulman '12 B.I.S.
Michael M. Schweska '08 B.S.
Jason W. Segall '14 B.A.
Frances O. Shinn-Eckberg
'14 J.D.
Lexi L. Shulla '08 B.A., '08 B.A.
Richard S. Siegel '80 B.S.,
'85 M.S.
Janet M. Siegel '82 B.S.N.
Craig D. Smith '08 B.A.
Nichole A. Smith '07 B.S.,
'08 M.Ed.



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Darci K. Steinmetz '12 M.B.A.
Kimberly J. Stringer '06 B.A.E.
Nicole M. Stull '13 B.A.
Monica B. Telles '09 B.S.E.
John D. Thomas '77 B.S.
Kristin A. Thomas
Christian R. Thompson '12 B.A.
Joshua D. Tucker '12 B.S.
Anthony J. Valencia '91 B.S.,
'13 M.B.A.
Juan A. Villafana '00 B.A.E.
Mercedes Villafana '03 B.S.
Hannah L. Wells '11 B.A.,
'11 B.A.
Danielle J. Wildermuth '09 B.S.,
'11 M.B.A.
Joe B. Wiser '72 M.A.
Megan E. Yee '13 B.S.
Krystyna S. Zatorski '13 B.S.



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On The Air

Sun Devils
share
sports world
with fans

By Brian Hudgins



Matt Barrie, who graduated from ASU in 2001, is currently the host of College Gameday on ESPN Radio and a Sports Center anchor.

Long before a select group of ASU graduates ever witnessed the glamour of pro and college sports, they traveled thousands of miles in cramped cars or wedged themselves into compact coach airline seats. Sportscasters – those who provide live, on-air commentary during sports contests – often have a rigorous training regimen of their own.

ASU Magazine recently touched base with three Sun Devils who have traveled the sportscasting road and asked them what it takes to “make the team” that brings the excitement and intensity of professional and college sports to their adoring fans.

Learning the ropes in television

Matt Barrie '01 B.A. is currently the host of College Gameday on ESPN Radio and Sports Center anchor. He's come a long way from his first job following graduation from ASU, at a TV station in Wausau, Wisc., as a reporter who covered the Green Bay Packers and the University of Wisconsin Badgers. A move to Lawton, Okla., followed. According to Barrie, these assignments were precisely what he needed to hone his skills as a sportscaster.

“You need to start in a smaller market to learn what TV is,” Barrie said. “You learn how to make mistakes and how to write and edit (material). In Wisconsin, I learned about carrying camera equipment, shooting events and being an anchor and reporter.”

Positions that took him to football hotbeds

such as in Columbia, S. C., and Dallas put Barrie in touch with fans who live by the motto “football is king.” Barrie hosted a radio show in Columbia, which introduced him to an entirely different sports platform. “You are a direct link to the fans,” Barrie said of sports radio shows. “You become an extension of them. That is their chance to vent frustration or give credit and that becomes your content.”

Barrie began working for ESPN in March 2013. His plan has been simple and straightforward: to do the best he could with each day and with each opportunity. Barrie does notice when the Sun Devils are on TV. When ASU football coach Todd Graham visited ESPN, Barrie enjoyed the chance to chat. “I think everyone is inherently proud of their alma mater,” Barrie said. “That is part of the fabric of who you are. There is nothing better, and I am very thankful for ASU.”



John Seibel has taken his extensive sportscasting background and used it as he's worked as a news anchor for a local station in Dayton, Ohio.

Ready for anything

John Seibel '97 B.A. says his time at ESPN, which included a stint as anchor and host from 2000 to 2009, got him ready for anything – including a journey back to his home state of Ohio.

Seibel's love of sports started early. His affection for the Cincinnati Reds, Bengals and other Ohio teams made the 1997 Rose Bowl (when ASU faced Ohio State) an interesting internal struggle in terms of loyalty for Seibel during his senior year at Arizona State.

His career in sports broadcasting carried him thousands of miles to both Alaska and Hawaii. It was augmented by a tour as a satellite communications specialist with the Air Force during Desert Shield and Desert Storm before he became a sports director at KIMO – an ABC affiliate in Anchorage.

"The military was a big-boy job and you can't sleep through it," Seibel said. "That taught me great responsibility. It gave me a work ethic, an understanding of teamwork and a respect for that dynamic."

Seibel is now a news anchor with WDTN-TV in Dayton, Ohio. He said his training in sportscasting helped him respond to the minute-by-minute changes to today's news cycle.

"You have to read and react and ad-lib (during sports events)," he said. "The event is going on as you are talking (about sports). News changes, but not on that same level as sports."

The move home put Seibel more at ease, but it also shook up his daily routine because he lost that direct link to the sports world. "When I went to ESPN, I thought coming back to Dayton was a ship that had sailed," he said. "But here is an opportunity for my wife and kids to be around parents and cousins. You don't say no to that."

From day one

Not every sportscaster walks into an already-built sports network. When Chierstin Susel '13 B.A. encountered an empty building in Virginia, she couldn't pass up the opportunity that was waiting.

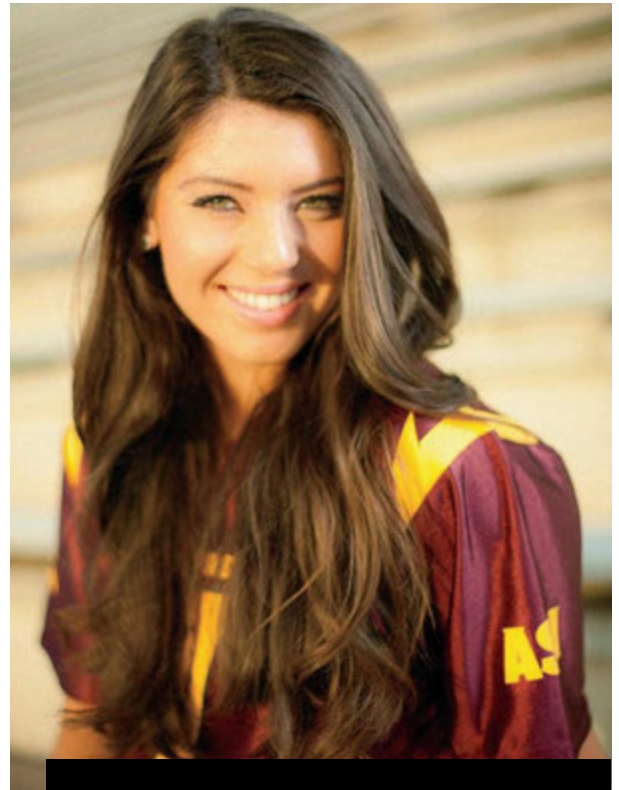
Susel had never been to Virginia when the Liberty Flames Sports Network, which covers the NCAA sports offered by Liberty University, a private religious college in Lynchburg, Va., contacted her and gauged her interest about coming on board. Susel had her start – even before the network did.

"I came to interview and the building was empty and there was wet paint on the floor," she said. "I came to the network and got hired before it launched."

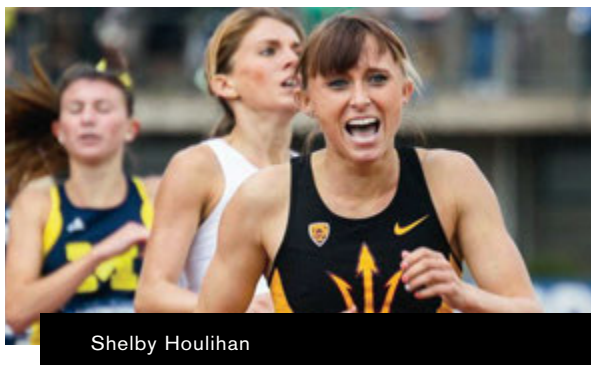
Susel was thrown into the fire quickly – she does in-studio and reporting work for the network's daily show, "Game On," in addition to serving as a sideline reporter for LFSN's basketball, baseball and football broadcasts. The network covers collegiate events and also does features on Christian professional athletes.

Susel has been with the network for a year – and she points to ASU and her degree with the Walter Cronkite School of Journalism and Mass Communication as the foundation that put her on solid ground when she stepped into work at a station in its infancy.

"I give Cronkite credit for every opportunity I will have," she said. "I literally was able to be hired, step in on the first day and be ready. Everybody else is getting the same education as you at ASU. So you don't realize the total value of it (compared to other universities) until you are in the workforce."



Chierstin Susel covers sports for Liberty University's Liberty Flames Sports Network.



Shelby Houlihan



Bryan McBride

They are the champions

ASU's track and field title-holders contemplate upcoming season

Theirs were among track and field's finest performances at the 2014 NCAA Outdoor Championships at Eugene, Ore., and long jump champion Bryan McBride and 1,500-meter run winner Shelby Houlihan will be back in 2015 in an attempt to bring more accolades to Arizona State.

McBride, a senior this season who originally hailed from Sandra Day O'Connor High School in north Phoenix, flew to a height of 7 feet 5 ¾ inches (2.28 m), a personal best, to emerge victorious. He was the first Sun Devil to win the event since Kyle Arney in 1977.

Houlihan, a junior from Sioux City, Iowa, crossed the finish line in 4:18.10, the first ASU runner to win a national title in that event. She augmented her spring track victory by capturing the Pac-12 women's cross-country title on Oct. 31.

"Being an NCAA champion is something that is now a part of me," McBride said. "I have the privilege to be a part of something great, inspiring, that successful people also have been a part of."

He will never forget that winning feeling.

"Through all of the cheering, other events going on and announcing (loudspeakers), it seemed like all I heard was my rhythm and all I saw was the bar," he said.

Houlihan said winning provided "a rush of different emotions. I was in shock that I had just accomplished what I had set out all year to do and also very happy."

She said in the 1,500, "it's a lot faster (compared to cross country) and there is less time to make moves ... when it comes down to it, being near the front is a top priority in both races."



ASU's new baseball coach Tracy Smith.

Play ball!

New baseball coach ready to get on base

All right, Arizona State University baseball fans past and present – sit back and watch new head coach Tracy Smith lead the Sun Devils from their new home at Phoenix Municipal Stadium through a rigorous 2015 schedule and perhaps an appearance at the College World Series in Omaha.

Smith is leaving no stone unturned in an attempt to get fans' blood pumping. He even is technologically savvy – he has a Twitter account they can follow: @ASUSkip.

Smith, who turns 49 on Valentine's Day, draws on 18 years' experience as a head coach (nine each at Indiana and Miami Ohio).

If Smith could "tweet" a message to alumni and fans, what would it be?

"That's a good question," he said.

"Anyone who understands the history of college baseball knows what Arizona State means. We want to embrace many of the traditions and start new ones. Our staff is not professing to win a championship today, tomorrow or next week, but we can guarantee our best effort every single day, and we think the byproduct will be what people want."

He's had meetings with players since being hired and has spent time on the recruiting trail. He's been very intent on getting to know them as men and athletes during fall ball. "That's our spring training," he said.

Smith will wear No. 13 for his uniform number and says the new regime and new season "will offer a clean slate for everybody. And we are playing in a place (Muni) that can be one of the most special environments in college baseball."

Vaulting to greatness

New gymnastics coach will play to her strengths

After being hired as Arizona State's women's gymnastics coach in May, Rene Lyst, a former Penn State gymnast and co-head coach at Arkansas for more than a decade, wasted little time in getting to work for the Sun Devils.

She was hired on a Friday to replace retiring Head Coach John Spini, and by the next Wednesday, she was on the road recruiting.

"I wanted to shore up the next couple of classes (years)," she said.

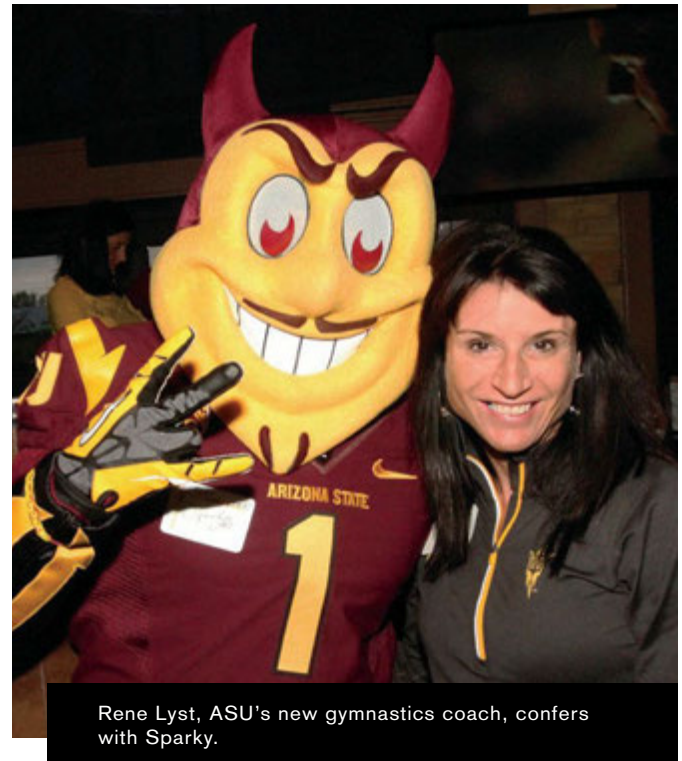
After ASU's fall practice season, Lyst and the Sun Devils begin their season in January.

Having a new coach come in, she said, "is a change for everybody." She embraces the concept of being her own coach, rather than copying what has worked for previous leaders.

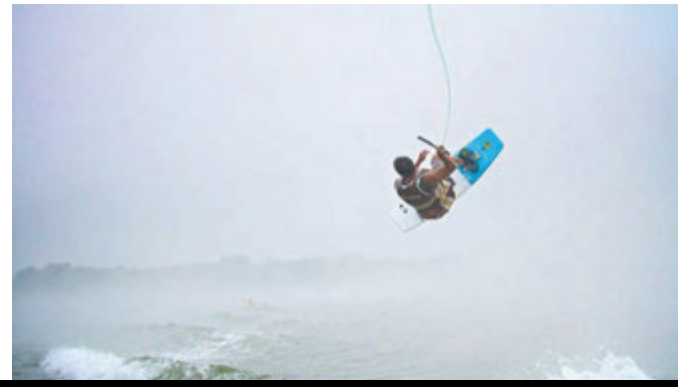
"I'm me, and I will coach to my strengths," she said. "There is no judgment about the past. No good, bad or indifferent. It is what it is."

As a gymnast and a coach, Lyst laid down a foundation for success on the mat and in the classroom through consistency, hard work, attention to detail, and strength and conditioning. That's what she wants to do in Tempe.

"The athletes are here for a reason," she said. "School and gymnastics. I want them to leave here with a degree, open doors for the future. I want to push them a little bit, get them to do some things that they maybe thought they couldn't do, have a strong sense of pride."



Rene Lyst, ASU's new gymnastics coach, confers with Sparky.



Ash Hannig (left) and Brandon Solarte (right) are two of the ASU Wake Devils club's top wakeboard athletes.

Surf's up!

Wakeboarding club aims for another national championship

The Arizona State Wake Devils club wakeboarding team will be aiming for a third consecutive national championship in April.

The team began its quest in the fall with five big events in Minnesota, Atlanta, Texas, Sacramento and Florida.

"We're going to push for three in a row," said Greg Crusco, a junior accounting major who is the team president. Ryan Platt was the team founder and handed the reins to Crusco when he graduated.

Wakeboarding combines a heady mix of surfing, water skiing and snowboarding moves. Athletes are pulled behind a boat at

about 20-25 mph as they perform their routines. There are about 50 different maneuvers/combinations they can attempt.

The sport is gaining in popularity. ASU has about 30 team members, both men and women, and expects to be one of the eight teams in the national competition. There are about 80 schools that have teams overall, Crusco said.

Club members pay about \$300 in dues to compete. ASU kicks in a small amount. Dues go toward renting the big boats for practice at Bartlett Lake north of the Valley or Saguaro Lake, a short drive northeast of Tempe.

"We've had tons of interest," Crusco said. "There is a lot of competition within our own team. You have to know what you're doing, be prepared and learn your tricks. You know pretty much right when you take off if you're going to land correctly or not."



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The Sun Devil Marketplace is located in the all new College Ave Commons just across from the ASU Foundation Building.



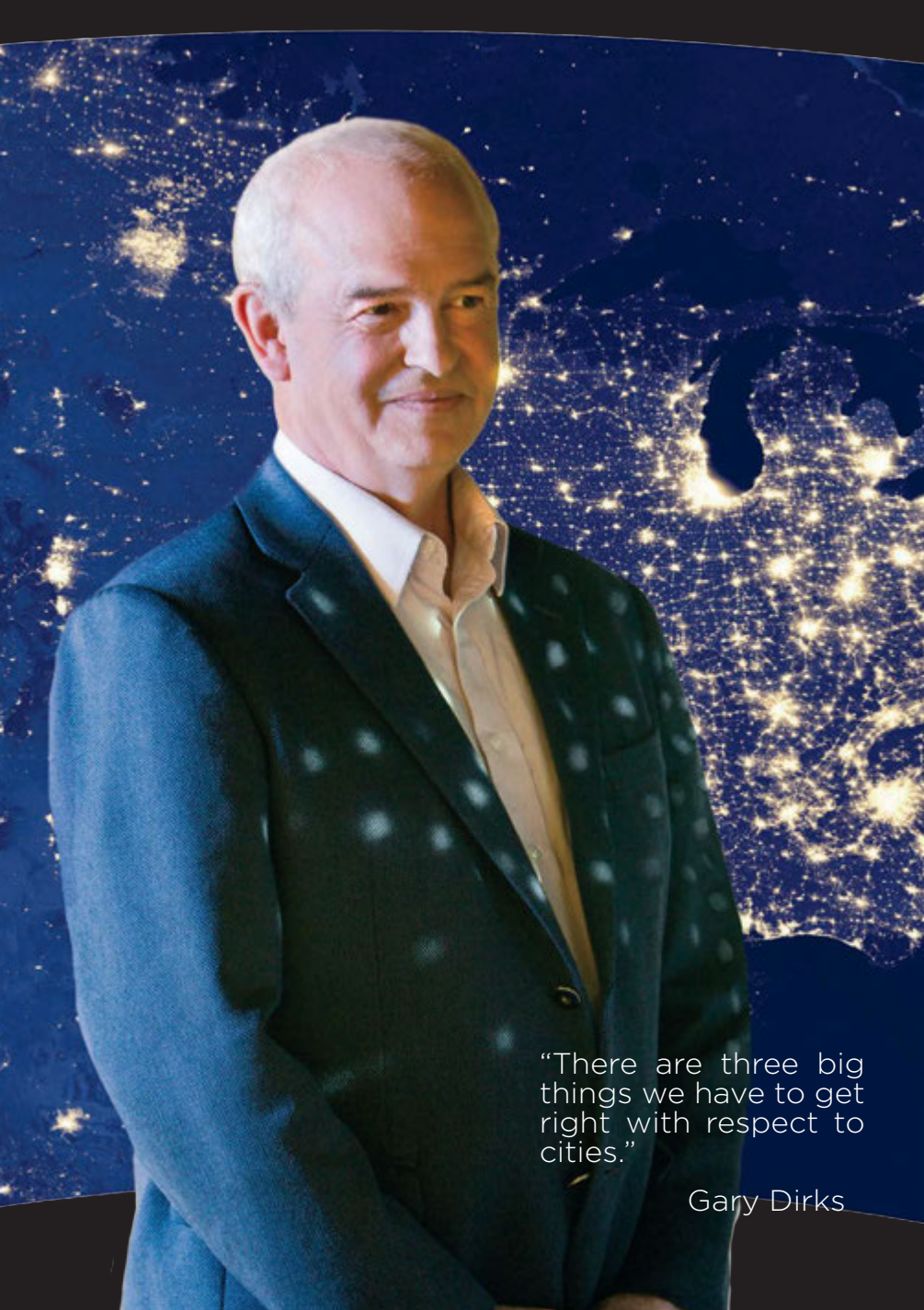
Building intelligent

CITIES



University researchers helping urban areas
become vibrant, livable and sustainable

By Eric Swedlund



“There are three big things we have to get right with respect to cities.”

Gary Dirks

The city of the future is vibrant, livable and sustainable, with technology embedded across city functions to enable real-time deployment and management of resources in the most efficient way possible.

In another word, smart.

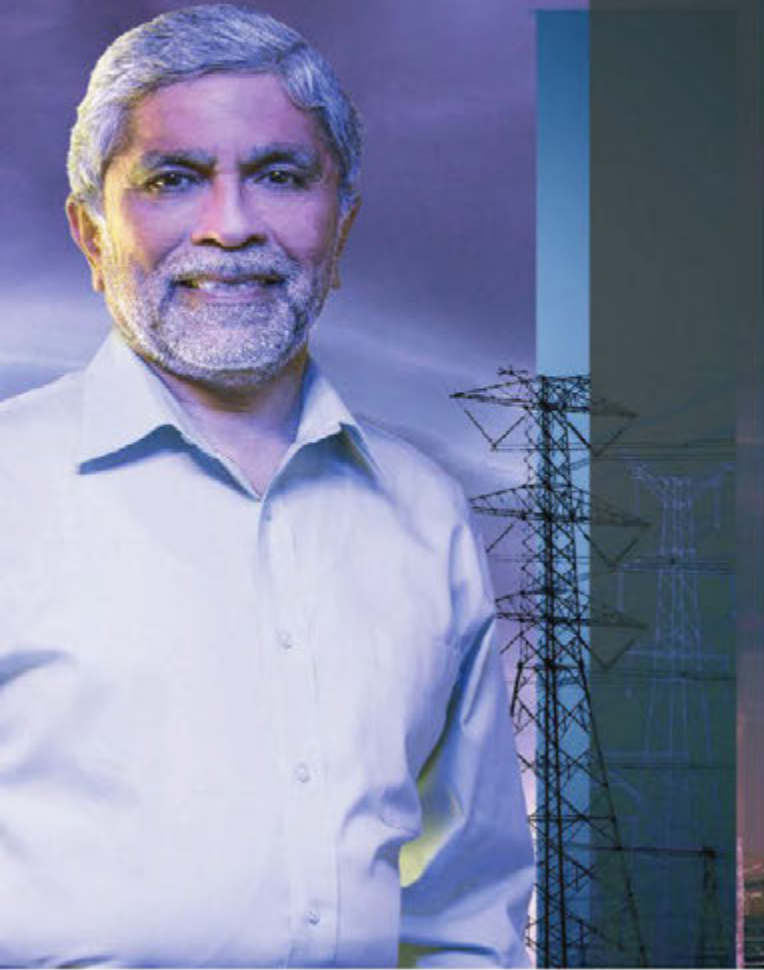
The world’s rapidly growing population increasingly is concentrated in urban areas and scientists, as well as planning

and policy experts, across the globe are working to build these types of intelligent cities. Reimagining urban centers as highly adaptable, technology-driven entities is an endeavor full of choices and consequences, challenges and solutions.

Across Arizona State University, experts in fields ranging from engineering to public policy are dedicated to the goal of a sustainable future, one that wraps renewable energy, advanced sensor technology, responsive power grids, next-generation batteries,

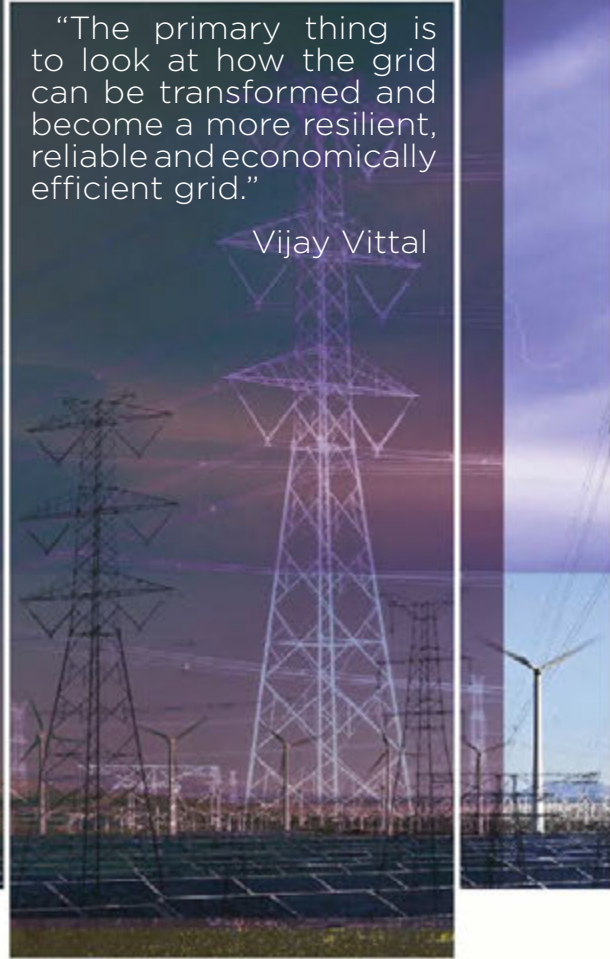
innovative design, and new legal and regulatory policies into the concept of the smart city. Campus entities like LightWorks, the Power Systems Engineering Research Center, the Utility of the Future Center and the Morrison Institute all are contributing to that vision.

“There are three big things we have to get right with respect to cities,” says Gary Dirks, director of ASU LightWorks. “One is the idea of the footprint, both in terms of the area they occupy, but also in terms of the demand they make on their supply chain. The second thing cities need to be able to do is foster innovation. They need to be great creators of knowledge and need to have the networks necessary to share and amplify that knowledge and inspire entrepreneurs. The final thing cities need to do is provide a quality lifestyle, including for the disadvantaged. The ability to bring it all together in my mind constitutes a smart city.”



“The primary thing is to look at how the grid can be transformed and become a more resilient, reliable and economically efficient grid.”

Vijay Vittal



Turning the power on

At the Power Systems Engineering Research Center (PSERC), Vijay Vittal is

working on the Future Grid Initiative, a U.S. Department of Energy project to investigate how best to transform the power grid to support high levels of distributed sustainable energy, like wind and solar.

“The primary thing is to look at how the grid can be transformed and become a more resilient, reliable and economically efficient grid,” says Vittal, the center’s director and the Ira A. Fulton Chair Professor in the School of Electrical, Computer and Energy Engineering.

Efforts at modernizing the grid have been increasing since potential vulnerabilities were exposed by the Northeast blackout of 2003, which affected more than 45 million people in eight

U.S. states and the Canadian province of Ontario. New sensors have allowed for better monitoring of the grid, but the Power Systems Engineering Research Center is focused on much more than minor fixes.

PSERC covers a wide range of expertise in power system operations, power electronics, transmission, distribution, power system markets and interconnection of renewable resources. The project will help evolve the grid away from a network architecture with relatively few energy resources supplying mass numbers of consumers into a network driven by many distributed and variable energy resources, integrating energy storage and responsive technology on the user end.

In the School of Computing, Informatics, and Decision Systems Engineering, Professor Guoliang Xue conducts research on survivability and security in mobile social networks and smart grids, and

optimization and economic approaches to network applications.

Power grids of the future could evolve alongside advances in mobile devices, social networking technology and cloud computing, Xue says.

“Almost everybody is carrying a smartphone. We’ve been studying how people can utilize their smartphones to constitute a larger-than-ever sensor network,” Xue says.

Networked smartphones – with individual users choosing to opt in for small monetary rewards – could be cost-effective platforms to support smart-grid services. Similarly, as cloud computing becomes the dominant paradigm for information storage and management, those networks can be a cost-effective way of improving smart-grid functions.

Xue draws an analogy from another area of his research, wearable sensors and devices that have applications in healthcare. Just as unobtrusive devices



“Almost everybody is carrying a smartphone. We’ve been studying how people can utilize their smartphones to constitute a larger-than-ever sensor network.”

Guoliang Xue

networked with medical data can monitor a person's health, arrays of sensors built in with smartphones, social networking and cloud computing can be used to measure constantly the health of a city.

Becoming smarter by design

But the architecture of smart cities doesn't depend on the technology alone. Smart cities are about choosing how we want to live and designing a future that implements the right technologies in the right balance, Dirks says.

"My belief is that it will be a blending of support coming from technology alongside the idea of what constitutes a quality life that is going to be driving the shape of cities and driving the idea of what it means to have a smart city," he says. "A lot of it will come from urban design and the design of spaces and the ability to provide people with neighborhoods that are friendly, secure and safe and allow people to live rewarding lives, irrespective of their social status."

Sustainable city life is a very active area of research, examining how to integrate high-density living, public transportation and other city services and lifestyles that draw more heavily on the experience of living in the urban area rather than having larger living spaces.

Grady Gammage Jr., a senior research fellow at the ASU Morrison Institute for Public Policy, has for years been studying Arizona's "Sun Corridor," which runs between Tucson to north of the Phoenix metroplex. Gammage is under contract to write a book about Phoenix as an exemplar of the "new American city."

"How do you take the post-World War II automobile-dominated urban fabric, centered on single-family homes and shopping centers, and make it sustainable?" Gammage asks.

In that regard, changes in the Phoenix area can be instructive on how to build a bridge from the paradigm of the 1950s to the smart cities of this coming mid-century period.

"ASU has deliberately used its own market power as an urban development magnet to focus the greater Phoenix area on concentrated development modes," Gammage says. "To ASU's credit, President Michael M. Crow has realized that universities have a massive economic development impact on the places they occupy and that can be used as a transformative tool in an urban context."

The wave starts here

One major change already underway is the Arizona Renewable Energy Standard, which requires that by 2025 utilities must generate 15 percent of their overall energy portfolio from renewable sources, like wind, solar and biomass. Kris Mayes, who co-authored those standards during her tenure on the Arizona Corporation Commission, leads ASU's Utility of the Future Center, which aims to assist utilities, regulators and consumers in making the move to a clean energy future.

"It's the question of our time, really," Mayes says. "How do we create smarter cities that are more efficient, more interconnected and more consumer driven? A huge part of that is creating the utility of the future. We are seeing dramatic decentralization of energy in the United States that is going to over time radically change the way our utilities operate and that will become a huge part of creating smart cities."



"ASU has deliberately used its own market power as an urban development magnet to focus the greater Phoenix area on concentrated development modes."

Grady Gammage Jr.



The changes underway are consumer driven, through rooftop solar installation and the switch to hybrid and electric vehicles. But the challenge will be to transform a regulatory structure and utility business structure that's been in place for 100 years, all the while keeping the lights on.

"If you integrate these technologies in an efficient and targeted way, you can end up having enormous beneficial effects on the entire system," Mayes says. "The utility of 2030 may be more scaled down, with less transmission, less central scale generation, and a lot of coal plants being shut down across the country. In order for us to get there, a lot of these regulations need to be put into place over the next five to 10 years, which in itself is going to be a huge challenge."

The changes are happening fast and in some cases completely outside the control of utilities and utility regulators. Mayes points to the popular Nest Thermostat, billed as the first "learning thermostat," as an example. Without regulation, subsidies or incentives, Nest and other advances are leapfrogging utility efforts entirely.

"Not every utility is ready to address this, not every utility believes this is an urgent problem. But a lot of utilities are coming to the realization that they want to be at the forefront of addressing these issues, and fundamentally you have to get the regulations and the laws to address these issues," Mayes says. "Arizona is the perfect lab for addressing the utility of the future and smarter cities. The wave is starting here and it's a great place to be."

Drawn into the future

Dirks, who was president of BP Asia-Pacific and the president of BP China before returning in 2009 to ASU, where he earned his Ph.D., says the prognosis for renewable energy is a very positive one and advances like real-time pricing and demand-side management will optimize how renewables are integrated into a city's power structure.

"There's a lot of technological development and operational experience that needs to be gained to keep the system stable when it's high in renewable power. But there's also a lot to be gained by cities adjusting their loads in real time intervals so they're optimizing the way renewable power can come into the system," he says.

Describing the future of smart cities, Dirks says it's important to frame the changes in ways that gain public support, drawing

parallels between satisfying lifestyles and close-knit, vibrant cities.

"Being able to show these are comfortable, happy and satisfying lifestyles, and at the same time they can be very sustainable, is easier to do than convince people that they have to change the way they live because the sea level is going to rise five feet," he says. "It's really hard to scare people into a future. They're not terrified into them, especially when it's hard to make the threat tangible. People are drawn into futures."

Eric Swedlund is a Tucson-based freelance writer.





“We are seeing dramatic decentralization of energy in the United States that is going to over time radically change the way our utilities operate and that will become a huge part of creating smart cities.”

Kris Mayes



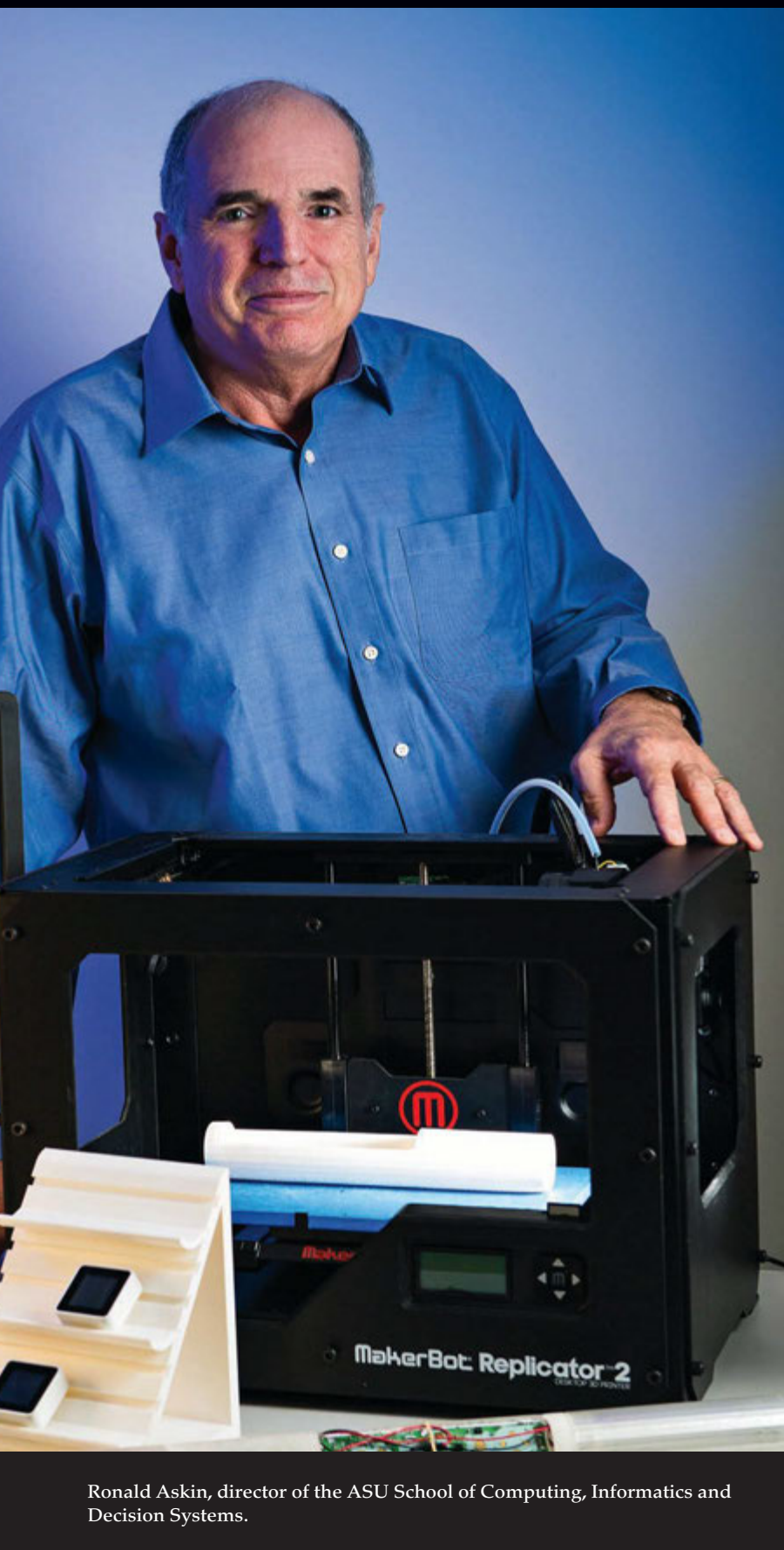
Associate Professor Prasad Boradkar (second from left),
director of ASU's InnovationSpace program.



Factories of the future

ASU poised to fuel America's manufacturing renaissance

By Christopher Vaughan



Ronald Askin, director of the ASU School of Computing, Informatics and Decision Systems.

The United States always has considered itself a can-do country, a place where things are made, a country that became “factory to the world” after World War II. For those who celebrate this vision, the U.S. Bureau of Labor Statistics paints a disturbing picture. If the ups and downs of normal business cycles are evened out, manufacturing employment since the 1960s has not increased with the rising population. And then in the year 2000, manufacturing employment began a sharp decline. Manufacturing, and the “good jobs” that economic sector provided, seemed to flee overseas, mostly to China.

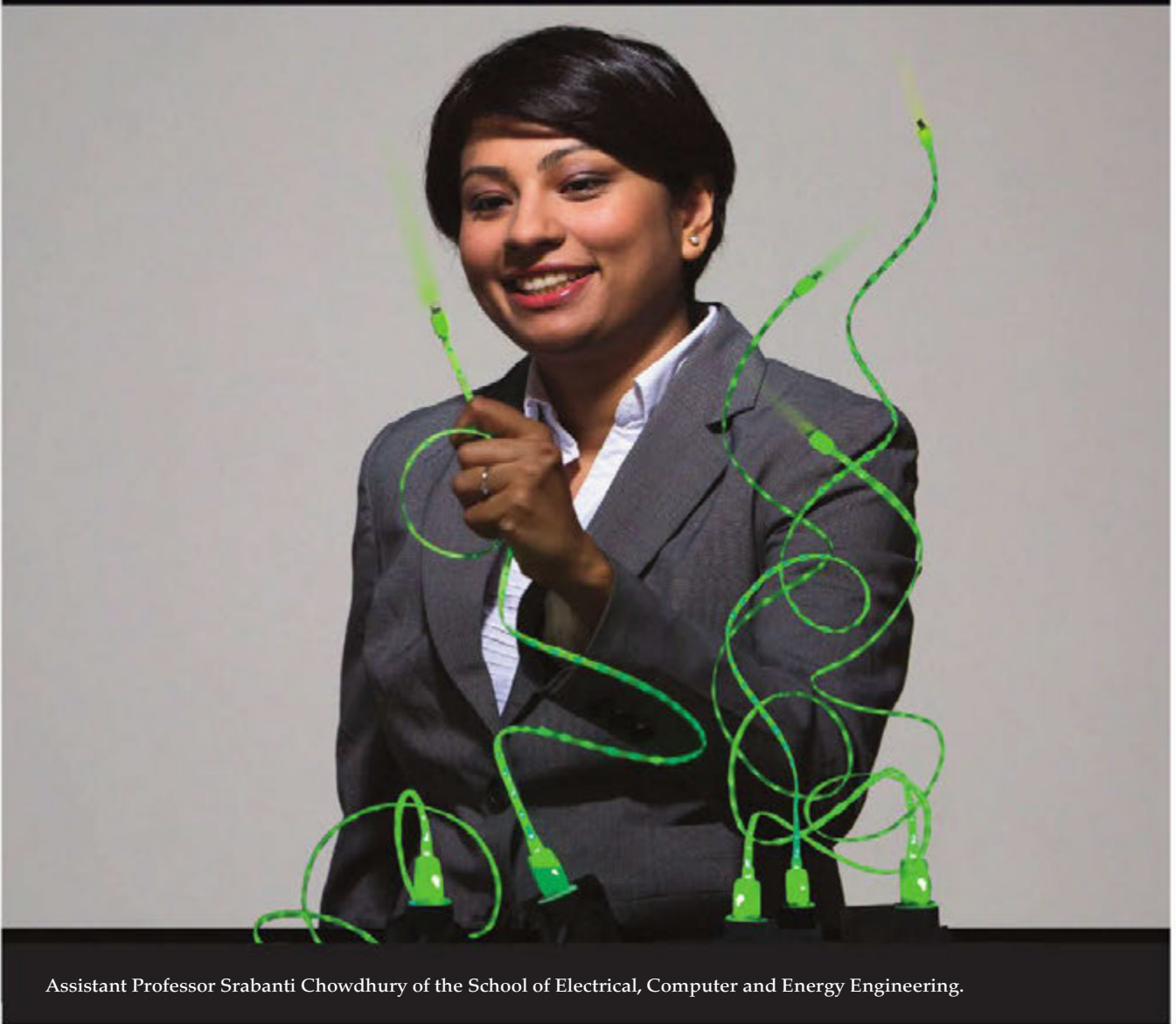
Yet a closer look at specific communities presents a more optimistic picture, particularly lately. The Phoenix area is one of a handful of communities forging a new path. According to Forbes Magazine, it ranks 16th among top metro areas in the number of manufacturing jobs. Through technology and intelligence, ASU is helping to create a new story for manufacturing in the Phoenix area and in the United States. By concentrating on new-tech design, manufacturing and sustainability, ASU is playing a key role in bringing manufacturing back from competitors overseas.

“Things are coming back in a small way, but the trend looks very promising,” says Associate Professor Prasad Boradkar, who teaches industrial design in The Design School of the Herberger Institute for Design and the Arts and directs InnovationSpace, a transdisciplinary education and research lab that teaches students how to develop products that create market value while serving real societal needs and minimizing impacts on the environment. What’s driving this renewal of interest in manufacturing is that universities like ASU and nearby companies are adopting a whole new paradigm of how manufacturing is done, Boradkar says.

“The old paradigm was based on manufacturing very large volumes at low cost, with assembly line labor and heavily subsidized products,” he says. The new paradigm, Boradkar says, is based on a smaller, nimbler manufacturing force engaged in “mass customization,” or manufacturing limited run, customized products. Instead of making 50,000 copies of one product, manufacturers might make 100 copies each of 50 customized versions of the product. Newer manufacturing methods also can focus on creating products in a modular, distributed way, so there are many small workshops or micro-factories spread around a region, rather than massive, centralized factories where everything is done.

“We are moving away from ‘one size fits all’ because that model means that things don’t really fit anyone in particular very well,” Boradkar says.

To create this new world of manufacturing, ASU is emphasizing three primary elements, Boradkar says: innovation, sustainability and entrepreneurship.



Assistant Professor Srabanti Chowdhury of the School of Electrical, Computer and Energy Engineering.

Innovation in Three Dimensions

The topic of innovation in manufacturing covers a lot of territory, from purely technical innovation to innovations in design or process engineering. One of the most outstanding technical innovations in recent years has been the rapid development of “additive manufacturing.”

“When you make a turbine engine blade, you used to take a big hunk of metal and carve away what you don’t want,” says Ronald Askin, a professor of industrial engineering and director of the School of Computing, Informatics and Decision Systems, a part of the Ira A. Fulton Schools of Engineering. “Now you can build it up layer by layer. Instead of cutting away what you don’t want, you add what you do want.”

This method is also sometimes called 3-D printing, because each layer is like a two dimensional cross-section of the object, and is laid down by a computer-controlled print head that is much like that in an ink jet printer. Accumulative manufacturing started out as a way to make prototypes, Askin says, but now it is being used to make actual objects, such as biomedical devices. Customers can email designs electronically, and factories can use

those computerized diagrams to produce customized products very quickly. “In its ultimate incarnation, it can be like the Star Trek replicator concept,” Askin says, referring to machines in the science fiction series that can produce nearly anything quickly and on demand.

The advent of 3-D printing is not only an innovation itself, it is also a spur to further innovation, Boradkar says, because it allows designers to build prototypes rapidly, test them, and improve the design through multiple iterations. “What’s happening now with rapid prototyping is that we can produce something that is not just representative of what the final piece will look like, but is the final production piece itself,” he says. ASU is investing heavily in teaching with tools like 3-D printers because they represent such a big part of the future of design and manufacturing.

Innovation also is occurring in the design process, Boradkar says, and this is a source of considerable U.S. strength.

“There are hundreds of design schools in China, but our edge is that we have an emphasis on really doing what is called design research,” he says. Boradkar explains that design research is the “fuzzy front end” of the design process: “thoroughly



Micah Lande is an assistant professor who teaches in the Engineering and Manufacturing program in The Polytechnic School.

understanding the context before starting to create a design solution.”

“Design research requires significant analysis at the very beginning, using varied methods of evaluation, doing individual research along with market research and borrowing from fields like ethnography, which is the study of how people live their lives,” Boradkar says.

“We think of innovation broadly: it’s not just about the artifact, it’s about the product ecosystem,” he says. The ways that products, services and users interact are all important.

Askin thinks that another reason manufacturing is coming back to the United States is that American companies are taking an increasingly sophisticated approach to the manufacturing process. He says that domestic companies are building better information systems, which integrate various sources of knowledge at each step of the process. Good informatics systems are allowing companies to develop a detailed and nuanced understanding of everything from the global supply chain to the individuals needs of customers, he says, which improves

manufacturing every step of the way.

Some of the innovations that are helping ASU lead the renaissance in manufacturing are from simply amazing science and technological research, a traditional bailiwick of universities. Srabanti Chowdhury, for example, is a co-lead investigator with associate professor Raja Ayyanar in an area of technology called wide band-gap semiconductors, which will open the door to the creation of a wide variety of new applications in electronics and power generation, applications that will touch our lives every day.

“Any time you need to change voltages or switch from alternating or direct current, you need a switch to make that change,” says Chowdhury, an assistant professor in ASU’s School of Electrical, Computer and Energy Engineering. “A cellphone charger is good example: you have to step down from an AC line voltage to 5 volts DC.” The semiconductor devices that allow and control those conversions are called power electronic switches, and they are essential parts of every power converter, from those in cellphones and air conditioners to those in photovoltaic cells,

hybrid cars and industrial motor drives, to name just a few.

The development of wide band-gap semiconductors allows designers to create solid-state power electronics that work at high voltages, high temperatures and at high frequencies, which opens up all sorts of possibilities for designers and manufacturers. As an example, Chowdhury points to the well-known and seldom-loved power supply that must be lugged around with every laptop to recharge batteries and keep the computer running when the batteries die. All that power running through the silicon makes the device very hot, which can cause it to fail if that heat is not drained away. If we move away from silicon to wide band-gap semiconductors for the electronics in the power supply, Chowdhury says, the device could be driven at higher frequencies which will reduce the size of the power supply unit by shrinking its magnetics (inductors and capacitors) which take up a big chunk of the space. It can possibly fit inside the laptop itself. Electronics running motors and generators also could be efficient, compact, lightweight and portable enabling more technologies in our lives. Lightweight electronics will create a huge impact on aerospace and automotive applications saving fuel and making room for more technologies during our travels. Wide band-gap devices can be viewed as “enablers” that open up possibilities never thought of before.

“When you start with new materials, it’s a whole new ballgame,” Chowdhury says.

An emphasis on sustainability

Another huge attraction of wide band-gap semiconductors is that they are much more efficient at power conversion than silicon, especially at high temperatures. “There have been surveys that show that ten percent of generated power is wasted on power conversion,” Chowdhury says. “Ten percent of the U.S. power consumption is almost equal to the power consumed by a country like Malaysia or Singapore. If we can bring that down 2.5 or 5 percentage points, that would be huge. It’s almost another source of generated power, because the savings are so high.”

The focus on manufacturing technologies that increase or prioritize sustainability are a hallmark that distinguishes ASU from other industrial design programs, says Boradkar. “An emphasis on innovation and entrepreneurship is something I see in industrial design programs at other universities, but what I don’t see is an emphasis on sustainability. That combination is unique to ASU.”

“The old paradigm of manufacturing was not very sustainable,” Boradkar says. Large factories and large production lines requiring huge financial and time commitments to set up are inherently wasteful if a product does not find a large market, he says. With newer production technologies such as 3-D printing, manufacturers can make smaller runs and spend less capital doing it. “We can also quickly kill a project that is not working and rapidly switch to producing something else that will sell,” he says.

New technology sparks entrepreneurial thinking

New technologies are bringing manufacturing back to the United States because they foster entrepreneurship, something that university faculty have embraced wholeheartedly in research and education.

“Manufacturing is really an extension of what engineering is about, which is coming up with ideas and building them,” says Micah Lande, an assistant professor of engineering who teaches in the Engineering and Manufacturing program, a part of The Polytechnic School within the Ira A. Fulton Schools of

Engineering. “So we focus on a hands-on, project-based learning approach.”

That approach is catalyzed by the layout of ASU’s Chandler Innovation Center, located about 20 minutes from the Polytechnic campus, half of which is occupied by the TechShop, a for-profit space where the public has access to advanced tools for whatever projects they have in mind. Students can go from learning about engineering principles in the classroom straight to an area where they can use the things they have learned to create physical objects.

“It’s really exciting to see students transformed and energized by building things,” says Lande. “It’s very different from when I was a student or worked in industry. Being able to build something in minutes or hours instead of days or weeks or months is a change that has happened only in the last couple years.”

Lande says that engineering students these days quickly take to the idea that they can imagine great projects and actually produce them. “Students are interested in being more entrepreneurial, in building solutions to problems that they care about, whether that’s creating alternative fuel vehicles or designing for people in the developing world,” he says.

This entrepreneurial frame of mind, combined with new technology, is prompting more and more newly minted engineers to start producing products wherever they are, instead of joining a large firm that might ship their designs off to a factory in India or China.

It’s something that current faculty feel a little envious about. “When I finished design school, the idea of doing your own thing right out of college was unheard of,” says Boradkar. “But students today have a totally different mindset, they feel a lot more comfortable taking risks.”

Lande says that the hands-on learning approach is teaching many other things that are important for future engineers. Because the TechShop is a private company, students often find themselves working side by side with builders and creators from the general public. “I think it’s unique that we have students and members of the community rubbing elbows and benefitting from that,” he says. “The general level of knowledge about manufacturing and innovation in the Phoenix area is benefitting from that cross pollination.”

In addition, students who build things are exposed to engineering and manufacturing in a holistic way, Lande says. They learn how to manage their time and resources, how to work with teams, and how to think in an entrepreneurial way.

“The engineer of the future will need to be ambidextrous – able to do traditional engineering one day, and the next day work out issues in the supply chain or decide just where to manufacture,” Lande says.

For Lande and other faculty, rapidly changing technologies and the new breed of engineer that ASU is helping to produce are producing fertile soil that’s ready to be tilled during an emerging boom in domestic manufacturing of innovative new technologies.

“It seems like an opportune time in Arizona, like what it was like in Silicon Valley decades ago,” Lande says. “To have a knowledge center like ASU and local companies that need that knowledge — it is a catalyst for what is next.”

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

A photograph of two young men standing in a classroom or office. The man on the left is wearing a light blue and white striped button-down shirt and dark trousers. The man on the right is wearing a white and light blue striped button-down shirt and dark trousers. They are both smiling. The background shows a desk with a computer monitor displaying architectural drawings, a keyboard, and some papers. There are also some architectural models on the desk.

Transformative learning

Attending ASU can be the gateway to an entirely different future

By Sarah Auffret

Taking that first tentative step toward a college degree may be a natural progression for some students. For others it can mean crossing a chasm, establishing new family traditions, putting deep fears aside, and leaping into an unknown and potentially frightening future.

ASU is increasingly bridging that chasm for first-generation students, reaching out with programs in local schools, and increasing the number of scholarship and financial aid opportunities. Enrollment of both Hispanic and low-income student populations has doubled over the past 10 years; nearly one-third of current ASU undergraduates are first-generation students.

Veterans are finding a welcoming atmosphere at ASU, thanks to an expansion of veteran services and the opening of the Pat Tillman Veterans Center. About 2,400 veterans were enrolled in ASU's fall 2014 semester, two-and-a-half times the number from five years ago.

ASU dramatically has increased access to a college degree through ASU Online, which now offers 78 degrees online. Working adults who thought earning a degree was impossible now can see their dream within reach.

Here are four stories of ASU alumni who have crossed the chasm and had their lives transformed by attending ASU.



Grounded by knowledge

Clemente and Maurilio Rodriguez '14 B.S.L.A.

When Clemente and Maurilio Rodriguez arrived in the United States at the age of 11 with their parents and siblings, the twin brothers didn't realize they were destined to be trailblazers.

They became the first in their family to go to school beyond the elementary grades, and the first to graduate from high school. Last May, they were the first to earn college degrees.

It was a dream of their father, who had applied for residency for his family 10 years earlier, that his children would have more opportunities than he had in their small town in Mexico. Children there went to work at 13 to support the family. The older three Rodriguez children already had begun working.

"My older brothers worked in construction, so they made the two of us work with them in the summers, so we would appreciate education," says Clemente. "They encouraged us to want more."

On graduation from Trevor G. Browne High School in west Phoenix, the two received Dean's Scholarships to attend ASU, distinguishing themselves in the

landscape architecture program in The Design School of the Herberger Institute for Design and the Arts by their commitment to projects and practices intended to transform society. The two collaborated on a senior project to mitigate air and noise pollution around the portion of the I-17 highway that runs through South Phoenix.

This fall they plan to organize a program at their former high school to introduce students to landscape architecture careers, emphasizing the value of design in improving lives.

"ASU opened my eyes that there's more to a job than a good salary," says Maurilio. "They ask you to look past yourself to the needs of the community."

Clemente, who was named the Jose Ronstadt Outstanding Undergraduate Student at graduation, says they're setting an example for their nieces and nephews, and for their younger sister, who is an ASU sophomore this year.

"There's no doubt I would be a completely different person without ASU," he says. "I gained a different perspective on life. I believe that I have a responsibility to give back, and to try to solve environmental and social problems."



Completing a goal “embedded in my heart”

Raquel Aviles '14 B.I.S.

It was a long and difficult journey over two decades that finally culminated in success for Raquel Aviles, a 40-year-old mother of three who earned her degree in interdisciplinary studies from ASU last May.

She attended the University of Arizona after high school but struggled academically and financially, dropping out after two years and feeling as if the academic world was beyond her reach.

Aviles married and started a family, going to work for the Paqua Yaqui tribe's health department in Tucson. She soon realized she needed to complete her education in order to accomplish more for her tribe. But evening classes at Pima Community College took so much time away from her family that issues arose at home.

It wasn't until she discovered she could work toward an online bachelor's degree through ASU that a pathway finally opened for her.

“I thought it would be hard to be engaged in online classes, but it was such a good experience for me,” says Aviles. “The professors gave me constructive criticism and talked to me on the phone or on Skype. I'd work on group projects with my classmates in chat rooms.

“When I was feeling overwhelmed I'd reach out to my professors and they'd show me how to manage my time. I quickly realized that I couldn't procrastinate or skim the material, because of the quality of work they wanted.”

She started earning A's, and graduated with a 4.0 GPA as the School of Letters and Sciences' outstanding graduate.

“ASU opened my perspective, and taught me how to deal with conflict, to discuss issues openly in order to work toward solutions,” says Aviles, now a health department associate director and a student in ASU's Master of Health Innovation program. “ASU gave me the chance to complete a goal that was embedded in my heart.”

From soldier to poet

Hugh Martin '12 M.F.A.

Sometimes it takes a lot of life experiences to create the soul of an award-winning writer. In Hugh Martin's case, it took getting kicked out of high school, spending six years in the Army National Guard and 11 months in combat in Iraq.

It also took three years of honing his craft in ASU's MFA in creative writing program, and a stint in an Arabic language class so he could process the embedded fears still echoing in his mind.

"Learning the language was transformative," Martin says. "It changed how I looked at the Iraq experience. I was able to separate the people from being a soldier."

His war experience still obsesses him and leads him to write the moving poems that won him the Jeff Sharlet Memorial Award from the Iowa Review and the Wallace Stegner Fellowship at Stanford University. Martin's first full-length collection, "The Stick Soldiers," was published in 2013.

Having completed the Stegner Fellowship, he currently has a lectureship appointment at Gettysburg (Penn.) College and is working on another collection.

"I was accepted into a lot of MFA programs, but ASU has one of the top programs in the country," says Martin, who earned his undergraduate degree at Muskingum University. "I had wonderful, intelligent, supportive professors at ASU who were very engaged with what I was working on.

"Going to ASU allowed me to attend the Prague Summer Program and the National University of Singapore – both experiences that helped me develop as a person, a teacher and a writer. I don't think I would have had as good an education elsewhere. My ASU professors were crucial to my development as a writer."



Walking through an open door

Jorge Quintero '84 B.S.

When a Medallion of Merit scholarship from ASU was offered to Jorge Quintero, he had no idea the impact it would have on his life.

The high school junior hadn't given college much thought until that year, when his English teacher told him he had the potential. The youngest child of immigrants from Mexico, Quintero had been held back in first grade because he couldn't speak English. Now he had good grades, but he had no idea what the requirements for college were or how to apply.

He met with Christine Wilkinson, then the ASU director of admissions, who outlined the steps he would have to take. He realized then that a door had been opened.

"That's when my journey really began," says Quintero, who joined IBM as a systems engineer after graduation and now is president and owner of QCM Technologies, a successful information technology business. "ASU changed my life."

Mentoring by a number of advisors kept him on track to graduate, even as he changed majors from management to computer information systems. Living on campus and working at the Memorial Union recreation center helped him integrate into campus life.

The year he graduated, Quintero was instrumental in organizing ASU's first Hispanic Convocation, now a signature university event. Last May he was on stage at Wells Fargo Arena for the 30th annual convocation, with every seat filled.

"It was so significant for me," says Quintero, who has set up a scholarship fund at ASU and continues to mentor students at the W. P. Carey School of Business. "Being on that stage, watching Dr. Wilkinson hand out diplomas, it was symbolic of my whole life."

Sarah Auffret, formerly assistant director of ASU Media Relations, is a freelance writer based in Tempe, Ariz.



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ASU ALUMNI
ARIZONA STATE UNIVERSITY

Museums without walls

University's public art collections spread community ... and wonder

By Oriana Parker



"Public art collections start a dialogue between the community and the university," says Ed Soltero, assistant vice president and university architect at ASU.

Encompassing sculpture, murals and fountains created during different eras, Arizona State University's public art collections are spread among the Tempe (17 artworks) and West (eight artworks) and Polytechnic (three artworks) campuses. Often found along pedestrian malls, in courtyards, or at entryways, public artworks help create a sense of place for both off-campus visitors and students. When integrated with buildings and landscaping, the pieces often provide a landmark to gather at and become embedded in the community.

Public art for universities is important for the same reason municipalities and other entities commission public art: it can create community identity, celebrate important historical events, or memorialize notable individuals. ASU faculty and staff involved with the university's public art program echo its benefit to the surrounding community.

"Public art comprises a museum without walls, animating public spaces to create a sense of community and wonder," stresses Betsy Fahlman, professor of art history and the author of 15 books, including "New Deal Art in Arizona," which includes some of the public artworks located on the Tempe campus.

"Public art collections start a dialogue between the community and the university," points out Ed Soltero, assistant vice president and university architect at ASU.

Maja Aurora '03 B.A., who is arts coordinator for the city of Tempe, agreed with Fahlman and Soltero's assessments, saying, "Public art becomes integrated into our community by enhancing



ASU Art Professor Betsy Fahlman (left) says that public art collections comprise a “museum without walls;” alumna Maja Aurora (right), arts coordinator for the city of Tempe, asserts that public artworks enhance the aesthetics of the everyday environment.

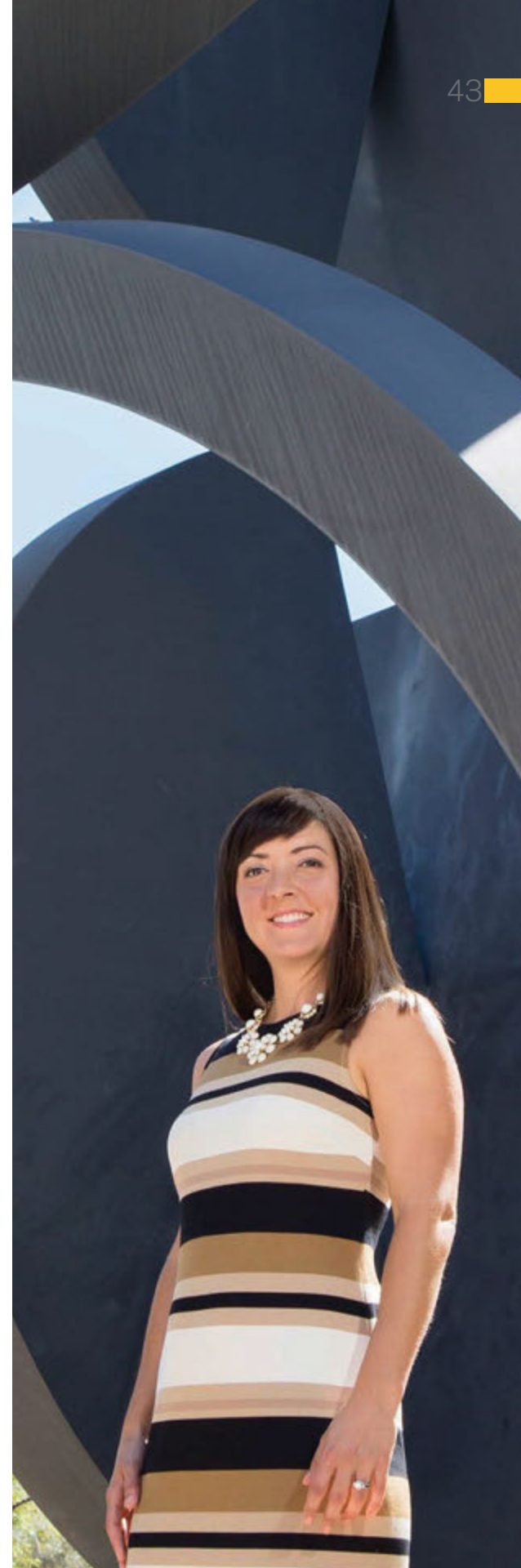
the aesthetics of our everyday environment. It provides a space for people to gather and invites those walking by to take notice of the art, which increases the viewer’s awareness of their unique surroundings.”

Whether a public artwork is donated by a patron or commissioned by the university, and regardless of whether it is historical or contemporary, important public artworks on the ASU campuses also reflect a serious commitment to the arts, according to Fahlman.

“It adds to the stature of the university as patron, in the case of

the Luis Jimenez piece, and to the vision of generous and foresighted donors, which is case for the James Turrell artwork,” underscores Fahlman. “Such works can become powerful symbols for the university, providing emphatic public evidence of the creative endeavor being central to ASU’s mission.”

“Important artworks help place ASU on the world page,” says Soltero. This is especially true in the instance of Turrell, creator of “Air Apparent” on the Tempe campus, who was awarded the National Medal of the Arts this summer.





(Clockwise from top)
 “Air Apparent” by James Turrell; “Double Column Ring Triangle” by Benton Fletcher; “Southwest Pieta” by Luis Jimenez.

Colleen Jennings-Roggensack has been executive director at ASU Gammage since 1991.



A tour of selected ASU public artworks

ASU’s collection has been identified as one of the top 10 university public art collections in the United States by “Public Art Review” magazine. ASU was praised for its collections and exhibitions and was joined on the list by other prestigious institutions such as the University of California - San Diego, the Pratt Institute and Massachusetts Institute of Technology. Fahlman recently offered a virtual tour of some of the highlights of the ASU collection.

“Air Apparent” by James Turrell (Tempe)

Appropriately placed near the university’s Interdisciplinary Science and Technology Building 4 (ISTB4), whose labs are renowned for designing instruments to enable scientific exploration of other worlds, this “Skyspace” sculpture is distinguished by its architectural overtones as well as qualities of detail and character.

“The artist created a transcendent, contemplative space, a sensory oasis in the midst of one of the nation’s biggest universities and amidst the swirl of urban Tempe,” points out Fahlman. “Surrounded by a magical forest of palo verde trees, you’d hardly know you are near all that urban bustle.”

“Southwest Pieta” by Luis Jimenez (Tempe)

Involving a grieving man and dead woman, the theme of this sculpture is taken from Mexican mythology.

“It’s a Romeo-and-Juliet story of two lovers who are turned into volcanoes by the gods: the active one is the man; the woman is the dormant one,” according to a statement by Jimenez, who passed away in 2006, made about the artwork. “It is the most common image along the low rider vans and on restaurant and barrio murals.”

“Utilizing a low-rider kind of fiberglass material, this sculpture rethinks a traditional image (Michelangelo in Arizona) and creates a perfect marker for the ASU Art Museum,” observes Fahlman.

“Double Column Ring Triangle” by Benton Fletcher (Tempe)

Widely known for his kinetic art and large scale steel structures, this San Francisco artist has world-wide installations at such prestigious institutions as New York City’s Metropolitan Museum of Art and London’s Victoria and Albert Museum.

“This sculpture wonderfully echoes the circles of Gammage and the music building and offers a substantial visual presence as you walk around that end of campus,” notes Fahlman. “It has the right scale, and shapes and casts great shadows.”

“Gates” by Albert Paley (West)

A professor at the Rochester Institute of Technology, Albert Paley was the first metal sculptor to be honored by American Institute of Architects. His work is found at the Smithsonian Institution in



first metal sculptor to be honored by American Institute of Architects. His work is found at the Smithsonian Institution in Washington, D.C., and the Metropolitan Museum of New York.

"This is an early piece by Paley, who had a big show this past summer at the Corcoran Museum in Washington," says Fahlman. "ASU West was a new campus when many of its pieces were installed and the quality of the the public art there, especially this artwork, reflects its ambition."

"Celebration" by Jerry Peart (Tempe)

Jerry Peart uses aluminum sheets, pipe and rod to form geometric spirals, rings and other shapes that he combines for his sculptures. Examples of his public artwork can be seen in cities such as Chicago and Albuquerque, N. M.

"This is a bright, lively sculpture that provides a cheery entrance to the campus," Fahlman says, adding, "Peart is quite an Arizona success story. He grew up in Winslow and earned a B.F.A. from ASU in 1970."

You can plan a public art visit to ASU's campuses, or take a virtual tour, by visiting http://herbergerinstitute.asu.edu/public_art.

(Top) "Celebration" by Jerry Peart; "Gates" by Albert Paley.



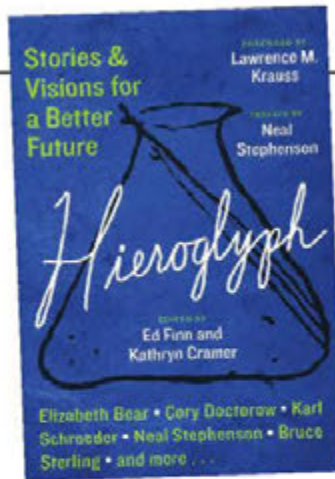
Concertos for Brass: The Music of Thomas Bough

By Thomas Bough '91 M.M., '98 D.M.A., Summit Records, 2014.

For those who don't spend a lot of time listening to classical music, tunes featuring brass instruments may seem to be characterized primarily by blaring trumpets, slip-sliding trombone glissandos, and French horn parts that consist of endless staccato after-beats.

But it doesn't have to be that way. Thomas Bough, who is the director of athletic bands at Northern Illinois University, showcases the majestic side of the tuba, euphonium, trumpet and French horn in this recording, which consists of a repertoire of pieces that have been composed or arranged by Bough.

One of the pleasant surprises on this CD is that Bough's compositions draw from a wide variety of musical genres and cultural influences. From the Latin-flavored opening bars of the Concerto for Horn and Wind Band, to the swinging jazz rhythms of the second movement of Suite Tuba (which is written in honor of Bough's advisor in the tuba performance program at ASU, J. Samuel Pilafian), the Northern Illinois University Wind Symphony lifts Bough's musical creations from the realm of the expected to a sublime new level. The disc ends with his arrangement of the Irish folk song "Believe Me If All Those Endearing Young Charms," providing a bit of the old to blend seamlessly with his creation of new music for fans to enjoy.



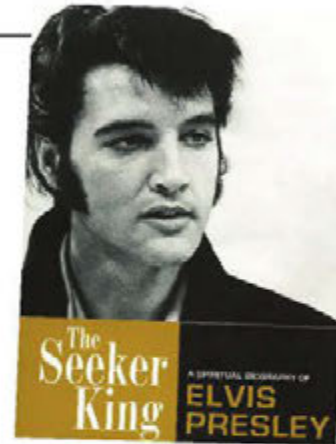
Hieroglyph: Stories and Visions for a Better Future

Edited By Ed Finn and Kathryn Cramer, William Morrow, 2014.

Stories about 3-D printers building moon colonies? Americans building a steel tower 20 kilometers tall? That's crazy talk ... or maybe it's well-crafted science fiction with the intent of inspiring a new generation of scientists, inventors and policy-makers. This new anthology is the creation of Project Hieroglyph, an initiative of ASU's Center for Science and the Imagination (CSI). Ed Finn, founding director of CSI, is the co-editor of this meaty (500+ pages) tome; the book also includes a forward by Lawrence Krauss, Foundation Professor in the School of Earth and Space Exploration, and a preface by science fiction author Neal Stephenson, who is the founder of Project Hieroglyph.

Krauss's and Stephenson's essays set the tone for the type of stories in the book, which, as Stephenson has said, avoid the dystopian trio of "hackers, hyperspace and holocaust" narratives.

The fictional storylines that follow are deeply involving and have fully realized characters, in addition to doing a wonderful job of taking speculations about our technological and social future to their dramatic end points. ASU has spent the last dozen or so years transforming itself into a New American University; if readers take the stories in this book to heart, we may well have a thriving, sustainable New Universe in a matter of years!



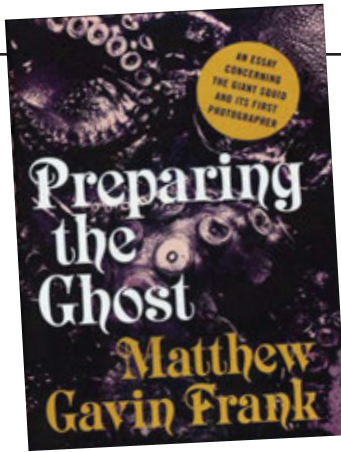
The Seeker King: A Spiritual Biography of Elvis Presley

By Gary Tillery '72 B.A., Quest Books, 2013.

Many people know that Elvis died in 1977 in his bathroom at his Graceland mansion in Memphis. Fewer know that he passed away with a book about spirituality at his side. Gary Tillery continues his intriguing series of "spiritual biographies" of famous musicians (he also has completed books in the same vein on George Harrison and John Lennon of the Beatles) by taking on the deeper side of the King of Rock and Roll.

Presley's spiritual roots in the Pentacostal tradition are documented here, as is his quest to channel the zeal he found there into a more universal system of belief. Tillery faithfully discusses the significant points of Presley's musical and film career, but views all of his extremely well-documented life story through the lens of his spiritual struggles and breakthroughs. The result is a truly refreshing look at how Elvis continued throughout his life to seek inner peace and spiritual contentment, and how his naturally sweet and generous personality influenced his music.

Fans of popular music will appreciate "The Seeker King" for its ability to lift the Elvis story out of the realm of well-worn clichés, and the philosophically inclined will like the way in which Tillery has demonstrated that even in the midst of opulent wealth, fame and power, Presley still wished to connect with something greater than himself.



Preparing the Ghost: An Essay Concerning the Giant Squid and Its First Photographer

By Matthew Gavin Frank '06 M.F.A., Liveright Publishing Corporation, 2014.

Ostensibly the story of the first photograph (or first photographer) of the giant squid and ostensibly firmly set in the late 19th and early 20th centuries in a small fishing village in Newfoundland, Canada, this book fulfills the promise of the essay to explore and juxtapose seemingly disparate facts, events, ideas and lifetimes. It is, to be sure, the story of the Rev. Moses Harvey and his obsession with the giant squid, but this book-length essay is also the story of knowledge, what is known or believed to be known, and how knowledge comes about. It is the story of fact and fiction, myth and storytelling, discovery and sensationalism and commodity.

In the hands of this master storyteller turned essayist, this work both calls to question all accepted fact and demonstrates in the writing itself reason to question what is presented as immutable. A thought-provoking essay and a good story, this book will be of interest to those who study science, creative nonfiction, fiction and the ways in which human lives piece loosely together.

just published

2010s

Dimitri Koumbis '10 B.S.D., '10 B.A. authored "Fashion Retailing: From Managing to Merchandising" and co-authored with David Shaw "Fashion Buying: From Trend Forecasting to Shop Floor." Both are college-level textbooks available from Amazon.com.

2000s

Adam Baker '08 B.I.S. announced the release by Morgan James Publishing of his children's Christmas book, "Maury C. Moose and the Forest Noel." Information about the book is available at MauryCMoose.com.

W. Todd Kaneko '06 M.F.A. announced the release by Curbside Splendor of his poetry collection, "The Dead Wrestler Elegies," that addresses the history of professional wrestling and examines relationships between fathers and sons.

♦ **Plynn Gutman '05 B.I.S.** announced the release of her book, "My Son Dave (the Duck): A Story about Loving and Letting Go," intended for both parents and children. The book is available at Amazon.com.

Ina Zajac '03 M.M.C., previously with ASU's Office of Media Relations, announced the release by BookTrope Publishing of her debut novel, "Please, Pretty Lights," that is the story of a young woman trying to free herself from her highly publicized past.

1980s

James Kass '84 B.S., '92 M.Ed., a precalculus teacher in Gilbert, Ariz., announced the release of his e-book "Success Secrets for Young Adults," a compilation of tips for college, career and life in general. The work is available at Amazon.com.

Kathryn Maeglin '81 B.S. announced the release by Soul Mate Publishing of her novel, "A Hunka Hunka Nursing Love," a fiction work about one woman's response to her mother's need for in-home nursing care. The work is available in print and as an e-book or audiobook.

♦ **Ann Woodley '81 J.D.**, The InfiLaw Corporation in Naples, Fla., announced the publication of the second edition of her book, "Litigating in Federal Court: A Guide to the Rules," by Carolina Academic Press.

1970s

Cynthia Stock '73 B.S.N., a critical care nurse for more than 40 years, announced the release of her first novel, "The Final Harvest of Judah Woodbine," which is available through Amazon.com.

1960s

Eva Willis '69 B.A.E. published "With All My Heart," a book of short stories and poems about relationships. The work is available on Lulu.com.

Faculty and Staff

Elly van Gelderen, Regents Professor, Department of English, announced the release by Routledge of "History of the English Language (Critical Concepts in Linguistics)" that she edited.

Susan E. Gray and Gayle Gullett, both associate professors of history, announced the release by The University of Arizona Press of "Contingent Maps: Rethinking Western Women's History and the North American West."

Cynthia Hogue, professor of English and Maxine and Jonathan Marshall Chair in Modern and Contemporary Poetry, announced the release by Red Hen Press of her eighth poetry collection, "Revengeance."

T. R. Hummer, professor of English, announced the release by Louisiana State University Press of his poetry collection, "Skandalon," that is part of the Southern Messenger Poets Series.

Herb Sendek, head men's basketball coach, announced the release of the second edition of his book with Buddy Hobart, "Gen Y Now: Millennials and the Evolution of Leadership," by Wiley.

Awards and Recognitions

Oliver de la Paz '99 M.F.A., associate professor of English at Western Washington University, received a Pushcart Prize for his poem, "Boy. Child without legs. Getting off a chair," that appeared in The American Poetry Review.

Bryn Chancellor '97 M.A., assistant professor of English at the University of Montevallo (Ala.) and former copy editor and writer at the Arizona Republic, received the 2014 Prairie Schooner Book Prize for her story collection, "When Are You Coming Home?," which will be published by the University of Nebraska Press. She also was selected as the 2014 Poets & Writers Maureen Egen Writers Exchange Award winner for fiction and received an Alabama State Council on the Arts Literary Fellowship.

Rigoberto González '97 M.F.A., associate professor of English at Rutgers University, received the 2014 Lambda Literary Award for gay poetry for his book, "Unpeopled Eden."

A legacy of learning

Scholarship recipient follows mother's example as she completes her degree

By Liz Massey



Thousands of aspiring ASU students are able to begin their university-level education immediately after high school, and many are able to complete their bachelor's in four years. But not everyone has the same path to a college degree.

In the case of Yvonne Lawson, a senior in the Mary Lou Fulton Teachers College and one of 13 recipients of the 2014-15 Legacy Scholarship sponsored by the ASU Alumni Association, she has been able to follow the example of her mother, Alice Freeman '81 B.A., whose journey to receive an ASU degree took more than a decade. Freeman has served as a beacon of hope for her daughter that it's never too late to finish one's higher education, and she was also the person who alerted Lawson to the fact that the scholarship existed. Freeman, who is a member of the ASU Alumni Association, also acted as Lawson's sponsor for the scholarship application process.

Lawson says that she remembers "going to school" at ASU with her mother and her older siblings in the mid-1960s, when Freeman first began her quest for an ASU degree.

"She had no babysitter, so she would take all of us to class and we would color or read quietly," Lawson said. "She thought that finishing her degree was the most important thing, next to having kids." (Freeman stopped her educational journey when the family moved to the East coast, but returned to ASU later to finish her degree in mathematics in 1981.)

Lawson herself graduated from high school in Westford, Mass., in 1980, then attended the University of Lowell for a semester. After that, her life got busy, and after her children were born, her dream of going to college was put on a back burner.

Fast forward to 2008, when Lawson became a widow. She had been a stay-at-home mother, and when she was unable to find work, her children, who were approaching college age themselves, encouraged her to complete her degree. After taking some classes at Glendale Community College, she realized that going into education would be the best focus for her career aspirations.

"I looked at a common denominator from all of the jobs I had had, and I realized I was always teaching someone something," she said.

She worked as a student teacher last year at Valley Vista High School in Surprise, Ariz., teaching courses in marketing, entrepreneurship and computer systems. Lawson is exploring the possibility of getting a master's degree in education and working with high school or college students in an online environment. She said that the Legacy Scholarship, which provides recipients with a one-year stipend, helped her pay for educational expenses such as software and educational equipment costs, fees associated with being a student in Barrett, the Honors College at ASU, and her disabled parking pass.

“There are so many ways that funding helps a student beyond just helping pay the per-credit-hour fee,” she said.

She noted that when she is a professional teacher, she hopes to focus on business education, helping future students discover all their financial options for attending college. She asserts that contributing to scholarship programs such as the Legacy Scholarship is a great way for Sun Devils to “pay it forward” for

the educational assistance they may have received.

“We all want to see each other succeed,” she said.

“Scholarships can make all the difference for many kids – we should all do what we can, when we can.”

For more information on the Legacy Scholarship program, visit <https://alumni.asu.edu/services/student-scholarships/legacy-scholarship>.



Sparky's Touchdown Tailgate



Legends Luncheon



Networking mixers



Sun Devil Generations

Getting it together

Sun Devils create smiles, friendships, memories with recent events

There's a reason we say that there is strength in numbers. It might be easy to ignore one person rooting for ASU and its New American University values ... but 380,000 alumni? Not possible. Sun Devils are a force of nature.

There are lots of ways in which ASU alums and fans connect, but the Alumni Association builds affinity through live events for Sun Devils at all stages of life – from children of alumni to those ready to celebrate ASU's historic accomplishments. Here are a few of the events that the association has sponsored in the past few months.

Sun Devils show their football pride at tailgates, Legends Luncheon

ASU's football fans got an early start on Sparky's Touchdown Tailgate series, when more than 300 alumni and friends gathered for a tailgate in Albuquerque, N.M., for a tailgate before the Sept. 6 ASU-New Mexico game. This was followed up by great away-game tailgate experiences at Colorado on Sept. 13, at USC on Oct. 4, and at Washington on Oct. 25. The Washington tailgate was particularly enjoyable, as it took place during a chartered boat cruise around Lake Union.

The Sun Devil pride continued to flow on Oct. 31, when 600-plus fans met at the Phoenix Marriott Tempe at the Buttes to enjoy a sold-out **Legends Luncheon** tribute to this year's inductees into ASU's Ring of Honor Society: linebacker Darren Woodson and cornerback Eric Allen. Many of those same fans could be found on Old Main Lawn the next day, visiting booths sponsored by the Alumni Association and many other ASU schools and units as part of the university's annual **Homecoming** festivities.

Professionals upgrade their careers with workshops and mixers

Alumni Career Resources kicked off its fall with a Sept. 11 workshop presented by Suzanne Peterson, associate professor of management in the W. P. Carey School of Business and the faculty director of the school's executive education program. Nearly 70 professionals listened to Peterson's tips on becoming an authentic leader and the value of relationship credibility in the workplace.

Career-minded professionals had a chance to build up relationship credibility by attending the Alumni Association's **Maroon & Gold Professionals networking mixers**, which this fall took place at various locations in Tempe, including Sol Diablo Cantina Kitchen, Pitchforks & Corks in the College Avenue Commons near the ASU Tempe campus, the Residence Inn Tempe, and The Handlebar on Mill Avenue. **The Women In Business** networking group also held a mixer during the autumn months at Pitchforks & Corks.

Additional events

In addition to the tailgate celebrations mentioned above, the Sun Devil nation (with help from Alumni Association chapters and clubs) connected during football season through a series of **game-watching tailgates** at locations around the country.

ASU families had several opportunities to teach the love of all things Sun Devil to their children through two events hosted by **Sun Devil Generations**. In September, nearly 50 Sun Devils participated in a **Grandparents' Day Pancake Brunch** that featured lots of tasty food, fun and an appearance by Sparky. Scores of kids and parents participated in the **Sparky's Sprint** fun run on Nov. 15. And more than 100 children and adults shared holiday cheer at **Storytime with Sparky** in early December.

**Reports
from the
Sun Devil
Nation**



ASU's Colorado-based alums gather to celebrate at the Sept. 13 tailgate and game against the University of Colorado.

Seattle

Our chapter's third annual boat cruise was a huge success this past August. A crew of Sun Devil alums, future Sun Devils and Sun Devil supporters rode the Christine W. through the Ballard Locks and past Golden Gardens to watch the sunset over Olympic National Park. The conversation and festive beverages flowed as attendees networked and reconnected with their Seattle area Sun Devil family. Thanks to all who participated and helped the event happen. See you next August!

Contact: BJ Bryan, BJ.Bryan3@gmail.com.

Austin

As an exciting football season comes to an end, we want to thank everyone who attended all our game-watching tailgates, participated in the popular ASU-USC Pub Crawl, and of course all of you who went on our Lake Austin boat cruise!

We would like to remind everyone about events coming up in the spring that you will not want to miss. We will host a March Madness-themed ASU Cares event, a Pat's Run shadow run, our annual Golf Tournament, and last but not least, a wine tour!

Be sure to like us on Facebook (facebook.com/austinsundevils) or follow us on Twitter (twitter.com/austin.sundevils) for details on all events. The ASU alumni family in Austin is a fun, welcoming group; make plans now to join us!

Contact: Amy Olivares, austin.sundevils@gmail.com.



The Austin chapter gathered for many enjoyable events in 2014.



The annual Sun Devil Send-Off was just one of several great summer/fall events for Chicago alumni this year.



Soon-to-be Sun Devils turned out in force for the Dallas Sun Devil Send-Off.

Chicago

It was an amazing fall semester for our chapter, with great football game watching events, a gathering we co-hosted with the W. P. Carey School of Business, as well as Pac-12 Day at the Beach. Winter weather is arriving now, but we have some great events planned to get you out of the house. We'll host our winter bowling league, ASU Cares in March, and other great events in the spring.

You can receive our weekly newsletters by dropping us a line at asuchicagoalumni@gmail.com.

Contact: Steve Mindel,
asuchicagoalumni@gmail.com.

Colorado

Sun Devil pride and endless fun continues to grow in Colorado. With a variety of events all over the state, being a Colorado Sun Devil has never been better.

This fall, we partnered with the Southern Colorado club for an evening at the Sky Sox baseball game, and worked with the ASU Parents of Alums (PLUMS) group to host a networking event. During football season, we held game watching parties at Blake Street Tavern, where as many 300 Sun Devil fans could be found in attendance. We collaborated with the Northern Colorado and Southern Colorado clubs to host a Sparky's Touchdown Tailgate on Sept. 13 and brought more than 800 fans up to Boulder for the football game against the University of Colorado.

Aside from Sun Devil football, we held a tailgate event before the Arizona Cardinals played the Broncos in October, and our kickball team continued to have a blast for the third season.

As we move into winter, we are looking forward to James Harden's return during

the Denver Nuggets game on Dec. 17 and can't wait for our annual Ski and Board event in January. Stay up to date with our activities at alumni.asu.edu/chapters/colorado.

Contact: Shaun Bainbridge,
Bainbridge@asu.edu.

Dallas – Fort Worth

This past summer and fall, we saw our largest turnout yet for our Sun Devil Send-Off in July with a total of nearly 50 students, parents and alumni. In September, we enjoyed a Texas Rangers game, participated in a ride/walk to support the TC Chillemi ASU Fund, and watched some incredible Sun Devil football at game-watching events.

As we look forward to the spring, please make plans to join us for our ASU Cares project in March and our Pat's Run shadow run in April.

To stay up to date on all the latest local ASU alumni happenings, follow us on Facebook at [Facebook.com/dfwsundevils](https://www.facebook.com/dfwsundevils).

Contact: Brian Brooks,
dfwasualumni@gmail.com.

Las Vegas

When you live in fabulous Las Vegas, you know how to have a fantastic time. This was proven by the great turnouts to our meet-and-greet event at the ASU-UNLV baseball game and by the Sun Devil football game-watching tailgates at



Las Vegas Sun Devils gather at a meet-and-greet event held before an ASU vs. UNLV baseball game.

Buffalo Wild Wings this fall. We always are so excited when Las Vegas visitors come to watch Sun Devil football with us.

Our fall networking mixer demonstrated that there certainly are talented alumni here in the Las Vegas area. If you missed it, there is another one coming up in the spring. This spring, we'll also host an ASU Cares event and a Pat's Run shadow run.

If you are ever in town (which, come on, it is Vegas), please look up our club on our home page at <https://alumni.asu.edu/chapters/las-vegas> to see what we are up to and join us.

Contact: Crystal Keel,
asu.alumni.vegas@gmail.com.

LGBT Devils' Pride

We've had a great fall, filled with Sun Devil pride! Thank you to everyone who participated in our mixers, attended our first tailgate, joined our team for the Phoenix AIDS Walk Arizona & 5K Run, and visited us at ASU Homecoming.

We are pleased to announce that our keynote speaker for our scholarship benefit dinner this spring is ASU alumnus Bill Konigsberg '05 M.F.A. Konigsberg is an award-winning author and sports



Los Angeles Sun Devils enjoyed a meet-and-greet event with current Dodger outfielder and former Sun Devil baseball player Andre Ethier at Dodger Stadium.

Leadership Scholarship Program

Our chapter welcomed a new board in July, and they have been busy preparing to launch a full year's worth of events. We held a reception at the Tempe Center for the Arts in late October during Homecoming week, and attendees enjoyed a video that discussed plans for celebrating the Leadership Scholarship Program's 40th anniversary in 2017.

Contact: Art De La Cruz,
arturo.delacruz@asu.edu.



Sun Devil alums screamed with joy during the Sparky's Touchdown Tailgate before the ASU-USC game on Oct. 4.

Los Angeles

Thank you to everyone who participated in our chapter's game-watching tailgates this season in Hollywood, Burbank and Hermosa Beach. Also, a big thank you to everyone who supported our Pennies for Points program, which benefits our scholarship program for students from the LA area attending ASU.

Hopefully you were able to join us at our Sun Devil Send-Offs welcoming new students to the ASU family, our picnic and concert at the Hollywood Bowl, and a great meet-and-greet with Sun Devil Andre Ethier before a Dodgers game against the Mets. Fall wouldn't be complete without the Sun Devil football team's visit to LA to take on the USC Trojans. We had a great pregame tailgate filled with maroon and gold spirit.

In 2015, join us for a volunteer event at the Ronald McDonald House, a Pat's Run shadow run, plus networking/social events that support Sun Devil sports teams as they visit the area. If you're working in entertainment, join us this month for an early December reception with students studying film for a semester in Hollywood (via ASU's California Center in Santa Monica).

More details on these events can be found on our website: alumni.asu.edu/chapters/los-angeles.

Contact: Eddie DeVall,
devall@aol.com.

Mary Lou Fulton Teachers College

Our chapter had a great fall season. Our fourth annual fall speaker series in October featured Steve Perry speaking on the idea of "Revolutionizing Education." Perry inspired the audience to become better educators in their communities. Aspiring teachers, our alumni, and our current students were afforded the opportunity to meet, connect, and ask questions about today's education system.

This spring, we will host our Student-Alumni Dinner, which connects alumni and current students of the college for the opportunity to network. More details on the dinner are available by contacting Elizabeth Youngdale at Elizabeth.Youngdale@asu.edu.

Contact: Sue Chretien,
sue.chretien@asu.edu.

New College of Interdisciplinary Sciences

During Homecoming Week in October, our chapter held its "Back to the Future" event at the ASU West Campus, inviting alumni back to see how much the campus has grown since their time as undergraduates. The event received positive feedback from alumni who were excited to participate in something sponsored by their college at ASU.

Please connect with your college or school by visiting our home page: <https://alumni.asu.edu/chapters/new-college-interdisciplinary-arts-sciences>.

Contact: Drew Koch,
Drew.Koch@asu.edu.

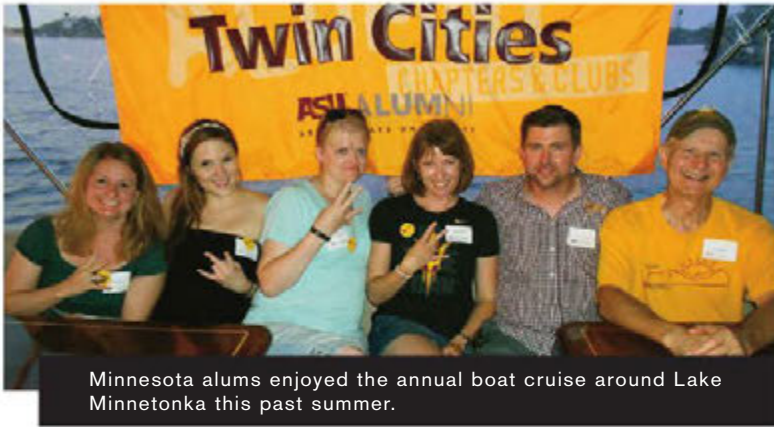


The new board of the Leadership Scholarship Program's alumni chapter.

writer. His most recent novel, "Openly Straight," won the Sid Fleischman Award for Humor, was an Amelia Elizabeth Walden Award and Lambda Literary Award finalist, and made more than 15 major "Best of" lists.

To learn more about the benefit dinner, and to learn about other ways to support our student scholarship, visit alumni.asu.edu/chapters/lgbt-devils-pride-scholarship.

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



Minnesota alums enjoyed the annual boat cruise around Lake Minnetonka this past summer.

New York

Time flies when you're having fun, and Sun Devils sure had a great time in New York. Our chapter had another very successful game watching season. We loved cheering our Sun Devils to victory! We also hosted some great networking mixers at popular NYC establishments, but the highlight of our fall season was by far the annual event, Oktoberfest at Bear Mountain. The cruise up the Hudson River was delightful and our stein-filled afternoon was a hit!

Thank you to all who participated in the fun, and please come visit us if you're ever in town. We would love to meet you. You can keep up with our chapter by visiting us on Facebook at <https://www.facebook.com/NYSunDevils>.

Contact: Josh Cohen, info@nysundevels.org.

School of Sustainability

We had 50 alums attend our inaugural "NOT Back to School" Celebration in August, during which we collected school supplies items to donate to the Tempe School District. We held our annual alumni reception on the night before Homecoming. At the Homecoming Block Party, we hosted a School of Sustainability tent to educate and highlight what the school is up to. This fall, we also hosted a panel discussion aimed at current students, which was led by sustainability alums.

Join us for a monthly volunteer opportunity every second Saturday

at the Escalante Community Garden in Tempe. We partner with current sustainability students to plant, weed, compost, and do whatever it takes to help the garden thrive!

Our job-shadowing program has been a great success! If you are interested in hosting a student at your job site or in serving as a mentor to current students, please email SOSALumni@asu.edu. You also can spread the word about our chapter by purchasing a T-shirt at tinyurl.com/SOSALumShirts.

Contact: Stephanie Quintero, stephanie.quintero@asu.edu.

Twin Cities

In June, our sixth annual Lake Minnetonka cruise sailed to success! We had a great turnout despite the rain, and fortunately the weather cleared up in time for Sun Devils to enjoy a spectacular sunset on the calm lake.

We had a great football season this fall cheering on our Sun Devils at Lyon's Pub and other locations around the city. It was great to see dedicated alums supporting the team!

This winter and spring, keep an eye out for details for our Fork and Bottle Event and an ASU Cares volunteer event. You won't want to miss them!

Have you recently moved to the Twin Cities? Visit the Twin Cities Chapter webpage at alumni.asu.edu/chapters/twin-cities to stay connected!

Contact: Kate Lyons, twincitiesundevels@gmail.com.



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(3) Mail (e.g., First-Class Mail, nonrequestor copies mailed in excess of 10% limit mailed at Standard Mail® or Package Services rates)	0	0
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<input checked="" type="checkbox"/> I certify that 80% of all my distributed copies (electronic and print) are legitimate requests or paid copies.			
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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).

Crime fighter

Debora Byers Black
'87 B.S.,
'91 M.P.A.

By Michael Hammett



Debora Black doesn't know the word "quit." So when she was accepted into the Phoenix Police Academy while still an undergrad in Illinois, she simply pressed pause on her college career and headed west. Soon, she was back in school in the Valley of the Sun – this time as a Sun Devil with a badge.

"There wasn't any choice but ASU," she says. "It was clearly the destination for me."

Her life became a series of shift work – day classes and studying, afternoon naps, and late nights working the streets as a patrol officer and SWAT team member. "I love crime fighting – getting in between people who wanted to cause harm, and their potential victims," she said.

A decade long marathon of family, work, and school became a sprint toward the finish line when she was in graduate school. "I was married and pregnant with my daughter," she said. "That really pushed me through."

While the degrees were personal goals, they also helped propel her career from sergeant to lieutenant to commander to assistant police chief. She also says that the city knew that getting a college education improved the performance of their officers on many levels.

"The city of Phoenix really encouraged education," she said. "It's the knowledge and confidence you gain, but the discipline of learning is what is truly the value."

After retiring from the Phoenix Police Department with a medal of valor among her honors, she moved next door to Glendale, and, in 2012, was appointed the city's first female police chief. She is happy to be a pioneer, but wants that same door to be open to be all who are qualified.

"I have a great deal of pride, but I hope we get to the point where the road is wide enough, not just for women, but for everyone," she said.

In Chief Black's day, the badge often came before the degree. Today, the degree gets you through the door: "education and policing is at its highest level ever," she asserts. As for her journey, she wouldn't change a thing.

"Going to school as I grew my career is exactly what I needed. I'm so proud to be a Sun Devil," she said.

By Michael Hammett '91 B.A., a Phoenix-based freelance writer.



◆ **Charlotte Park '14 B.A.**

accepted a position as an influencer relations associate with iAcquire in Scottsdale, Ariz.



◆ **Kelsey Gerchar '13 B.S.**

accepted a position as an archery shooting sports assistant with Arizona Game and Fish Department.



Russell Scibetti '08 M.B.A.,

previously director of relationship and database marketing for the New York Jets, accepted a position as vice president of product strategy for KORE Software, a provider of CRM solutions for the sports and media industries.

Nicholas Behm '08 Ph.D. was tenured and promoted to associate professor of English at Elmhurst (Ill.) College.

Richard Drake '07 M.B.A., '07 J.D.; Byron Brown '05 J.D.; and Chris Barski '03 B.A., '05 J.D. recently combined their law practices to found Barski Drake Browne PLC, a boutique regional law firm designed to handle all personal and business matters. The group has offices in Scottsdale and Gilbert, Ariz., and in Las Vegas.

Rachel Winkler '07 B.S. is president-elect of the Military Spouse JD Network, a nonprofit organization that seeks to ease the challenges faced by military spouses who want to continue the practice of law even though they are moved frequently by the military and must take the bar exam for each new state in which they practice. In addition to lobbying for changes, the group offers pro bono legal support to families that receive assistance from the Tragedy Assistance Program for Survivors. Winkler is married to U.S. Army 1st Lt. **Dylan Winkler '08 B.A.**

Elizabeth S. Fella '06 J.D., an associate in Quarles & Brady LLP's Tucson office, was selected for the Greater Tucson Leadership class of 2015.

Robert Gubser '06 M.U.E.P. previously principal planner for the city of Peoria (Ariz.), accepted a position as planning manager in Avondale's development and engineering services department.

◆ **Kevin Kruger '06 B.S.**, former Sun Devil basketball guard, accepted a position at Northern Arizona University as an assistant coach.

◆ **Chris Krygier '06 B.S., '10 M.B.A.** was promoted to director of regulatory and government affairs for Liberty Utilities, where he oversees public utility regulation for the company's gas utilities in Missouri, Iowa and Illinois.

Jaclyn Roessel '05 B.A., '12 M.P.A., education and public programs director at the Heard Museum in Phoenix, was elected to the Arizona Humanities Board of Directors.

2010s

◆ **Shelby Payne '14 B.A.** joined the news staff at KGUN-9 in Tucson, Ariz.

Mauro Whiteman '14 B.A., '14 M.M.C., a graduate of ASU's Walter Cronkite School of Journalism and Mass Communication, was named the 2014 ASU Alumni Association Outstanding Graduate for that school.

◆ **Asher Spittler '13 M.B.A.**, managing partner with AWS Recruiting, was named to the Phoenix Business Journal's 40 under 40 class of 2014.

◆ **Wayne Unger '13 B.S.**, chief of staff for supply chain risk management at Cisco Systems, Inc., in San Jose, Calif., received a Thirty Under 30 Award for 2014 from Pi Kappa Phi fraternity.

◆ **Bradley Stuart '12 B.S.P.** received a master's degree in city and regional planning from the Edward J. Bloustein School of Planning and Public Policy at Rutgers University in New Jersey.

Brendan Corrigan '11 B.S., a dual J.D./M.P.A. degree student at the University of Miami School of Law, served as a summer Capital Hill intern and HOPE Fellow in the office of U.S. Rep. Joseph P. Kennedy III.

William Shepard '11 B.S., '14 M.S.W. accepted a position as social worker at the DaVita Dialysis Clinic in Phoenix.

Glenn P. Williamson '11 M.S.E., founder and CEO Canada Arizona Business Council, who is also CEO of Nest Ventures, the chairman of Epcor Water USA, and honorary consul of Canada for Arizona, was recognized by the Phoenix Business Journal in its list of the 25 Most Admired Leaders for 2014.

◆ **Jenna C. Burns '10 B.S.** was promoted from executive assistant to Mobifactory sales and process development manager with Local Motors and relocated from Chandler, Ariz., to Knoxville, Tenn.

Dimitri Koumbis '10 B.S.D., '10 B.A., an adjunct faculty member at the Art Institute in New York, co-founded an e-commerce retail shop, Bishop Collective, which sells only American-made products.

2000s

◆ **Nick Brady '09 B.S.**, a student in the U.S. Navy's Officer Candidate School, and Tyler Quinn '09 B.S., a student in the Marquette University School of Dentistry, received Thirty Under 30 Awards for 2014 from Pi Kappa Phi Fraternity.

Joe Clay '09 B.S.D. is senior product designer with CashierLive in Chicago and works with fellow alumnus, Tom Greenhaw '08 B.S., who originated an app called Greenscore. The app compares "green" scores for addresses in the Chicago area. For their efforts, the team won the 2014 Center for Neighborhood Technology Urban Sustainability Apps competition.

Samuel Baldwin '09 B.A., a third-year law student at the University of Maine, joined the Portland law offices of Verrill Dana as a summer associate.

Rebecca Armendariz '08 B.A., a director with Banner Health; **Catherine Alonzo '07 M.P.A.**, a partner with Javelina; **Kenneth Bonham '05 B.A.E.**, vice president of business development with the Lucid Agency; **Matthew McGuire '05 M.B.A.**, CEO of Cancer Treatment Centers of America; and **David Ralls '04 M.B.A.**, president of Air Integrated, were named to the Phoenix Business Journal's 40 under 40 class of 2014.



Natalya Shkoda '01 M.M., '06 D.M.A., formerly assistant professor in the department of music and theater at California State University-Chico, was awarded tenure and promoted to associate professor. She will be on sabbatical in 2014-15 to complete a new recording. Her husband, **Sergey Smirnov '02 Ph.D.**, formerly assistant professor in the Department of Engineering at Texas Tech University, completed an MBA degree and accepted a lectureship in the department of finance and marketing at California State University-Chico.



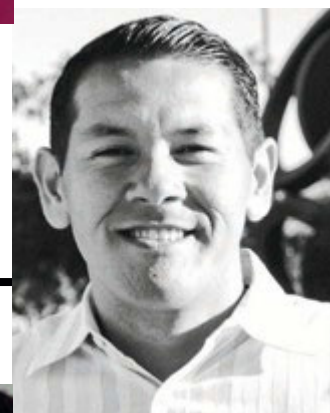
Melissa Ho '01 B.A., '01 B.S., a shareholder in the Phoenix office of the Polsinelli law firm, was selected for ranking in Chambers USA in the category of Litigation: White Collar Crime & Government Investigations. In addition, she was elected for a second, three-year term to the Arizona Bar Association board of governors.

Miguel Prietto '07 M.B.A., '08 J.D.

joined Archer Norris, a Newport Beach, Calif., law firm, as an associate in the area of business transactions and litigation.



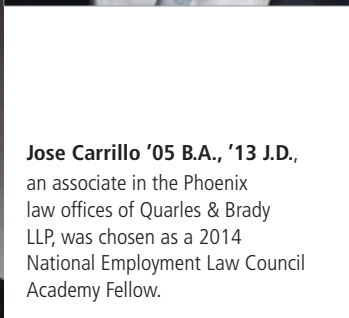
◆ **Gabriel Escontrías Jr. '03 B.S., '06 M.Ed., '12 Ed.D.** was elected to the board of directors for Phoenix Pride.



◆ **Josh Cohen '05 B.S.** founded a new dog toy company, College Pets, that supplies dog toys in collegiate colors.



◆ **Nicole Almond Anderson '04 B.A., '09 M.Np.S.** manager of marketing, communications and stakeholder relations at ASU Lodestar Center for Philanthropy and Nonprofit Innovation, was selected for Valley Leadership's Leadership Institute Class 36 and for the ASU Sun Devil Club Young Professionals organization.



Jose Carrillo '05 B.A., '13 J.D., an associate in the Phoenix law offices of Quarles & Brady LLP, was chosen as a 2014 National Employment Law Council Academy Fellow.



Chris "Pyro" Stoddard '04 B.S.E., a captain in the U. S. Marines, completed Tactical Air Control Party training after more than eight years as a MV-22 pilot. He is deployed as a forward air controller.



◆ **John Ronquillo '04 B.A., '06 M.P.A.**, previously a faculty member at DePaul University in Chicago, accepted a position as assistant professor of nonprofit and public management at the University of Colorado-Denver.

Kevin Swan '04 B.A. founded A Life Story Foundation to raise awareness and create action to discover effective treatments, and ultimately a cure for ALS (commonly known as Lou Gehrig's disease).

◆ **Angela Conrad '03 M.Ed.**, an instructional designer for Insperty, was elected to serve on the board of trustees for the Humble Independent School District in Humble, Texas. She serves the board as parliamentarian and as chair of the technology and data governance committee.

◆ **Debbie Cotton '03 M.P.A.**, director of the Phoenix Convention Center, was named among Arizona's 25 Most Influential Minority Business Leaders by AZ Big Media.

◆ **Andrea E. Flatley '03 B.A.** accepted a position as assistant director of development for the Northwest region with the ASU Foundation For A New American University. She is based in the Pacific Northwest, where she works closely with ASU Alumni Association chapters in the region and the university's academic units to coordinate ongoing programs, build affinity with and increase financial support for the university.

Lauren Bailey '02 B.A., '02 B.A., a partner with Upward Projects; **Tyler Butler '02 B.I.S.**, director of community outreach with GoDaddy; **Angela Florez '03 B.A.**, director of leadership programs for Valle del Sol; **Alejandra Gomez '03 B.A.**, deputy organizing director with United We Dream; and **Robert Stockley '01 B.S.**, vice president of finance for Waternuts Aquatic Enterprises, Inc., were named to the Phoenix Business Journal's 40 under 40 class of 2014.

◆ **Rattana Mao '02 B.A.**, banking center manager with Comerica Bank in Fort Worth, Texas, and president of board for the Fort Worth Botanical Society, was named to the 2014 40 Under 40 list of the Fort Worth Business Press.

Paula Rauschkolb '02 B.S., previously medical director of neuro-oncology at Intermountain Medical Center Neurosciences Institute in Murray, Utah, accepted a position as assistant professor in the department of neurology at Southern Illinois University School of Medicine. She serves also as director of neuro-oncology and as a member of SIU HealthCare, the medical school's group practice.

◆ **John L. Southard '02 B.A., '11 M.A.**, an historian, was elected first vice president of the Arizona Historical Society - Central Arizona Chapter board of directors and vice president of the Fund for Central Arizona History. He also sits on the Arizona History Convention and Arizona Preservation

Foundation boards and serves on the Scottsdale Historic Preservation Commission.

Aaron Blau '01 B.S., vice president of The Blau Compnay, Ltd., appeared on the national webcast of "Tax Talk Today" to discuss the tax implications of the Affordable Care Act. Additionally, he was elected recently as vice president of the Arizona Society of Enrolled Agents, an organization of federally licensed tax professionals in Arizona.

Brad Cosman '01 B.S., '01 B.S., '08 J.D., an associate in Perkins Coie's Phoenix office, was named chair elect of the bankruptcy section of the State Bar of Arizona.

Anthony Derwinski '01 B.A., previously a partner at a Chicago-based litigation firm, accepted a position with Ruesegger Simons Smith and Stern in Denver, Colo., as an attorney and director of the law firm's civil litigation department.

◆ **Keith Rocci '01 B.S.** is an instructional designer at Pima Community College in Tucson, Ariz., and a lecturer at Emporia (Kan.) State University. In addition, he has mentored future librarians in Kansas, Utah and Colorado since 2010 and published a book, *Library Research Strategies*, in 2013.

◆ **Jennifer Holsman Tetreault '00 B.S.** was promoted to division general counsel with Rural/Metro Corporation.

1990s

◆ **Javier R. Cárdenas '99 B.A.E.**, director of the Barrow Concussion Network, and director of the B.R.A.I.N.S. Clinic at St. Joseph's Hospital and Medical Center; **Eileen I. Klein '98 M.P.A.**, president of the Arizona Board of Regents; and **Jeffrey M. Pruitt '94 B.S.**, founder and CEO of Tallwave and ethology, were recognized by the Phoenix Business Journal as part of their list of the 25 Most Admired Leaders for 2014.

Greg Allen '99 B.S., medical director of Deseret Aesthetic & Lifestyle Institute and founder of both the Shun the Sun and the Gilbert Marathon Events, and **Yvette Rangel '88 B.A.E.S.E., '91 M.Ed.**, race director for Gilbert Marathon Events, announced the establishment of the foundation and the marathon as part of their educational and prevention efforts related to skin cancer.

Kendrick Bates '99 B.I.S., manager of enterprise performance management at the University of Phoenix, was selected for the Valley Leadership Institute Class of 36.

John Radzilowski '99 Ph.D. was promoted to associate professor of history with tenure at the University of Alaska Southeast in Juneau.

◆ **Jameson Van Houten '98 B.S.**, CEO of Stonegate Financial Group, and State Sen. **Anna Tovar '97 B.A.E.**, a legislator representing Arizona's District 18, were named to the Phoenix Business Journal's 40 under 40 class of 2014.

Erica Brune '98 B.A., president of Lever1, a Kansas City-based professional employer organization, was recognized by Kansas City Business Magazine as a Rising Star of 2014.

Terry Ann Lawler '98 B.A. accepted a new position at Phoenix's Burton Barr Central Library, where she spent the previous year developing the MACH1 Makerspace and establishing partnerships with community organizations, including ASU's School of Earth and Space Exploration. Lawler was the recent recipient of the City of Phoenix Peak of Excellence award for her work.

Evan Moilan '97 B.A.E., previously chief development officer for Lutheran Social Services of the South in Austin, Texas, was appointed as that organization's inaugural chief mission officer.

Ralph Cisneros '96 M.S.E., who works in sales at Altera Corporation, is a board member and tutor/mentor for children at Casa de Amistad in Solana Beach, Calif. For his contributions, the organization recognized him as Volunteer of the Year.

◆ **Glenn Gray '95 B.A.** has accepted a position as director of casework and community engagement with the Tragedy Assistance Program for Survivors (TAPS), a national nonprofit organization that supports the family and friends of fallen members of the U.S. military.

James Burns '94 M.A., previously executive director of the Desert Caballeros Western Museum in Wickenburg, Ariz., was named director of the University of Arizona Museum of Art.

◆ **Victor Mendez '94 M.B.A.**, was confirmed as deputy secretary of the U.S. Department of Transportation on July 30, 2014.

Jeffrey Pruitt '94 B.S., CEO and founder of Tallwave, was named among the finalists for the Ernst & Young Entrepreneur of the Year 2014 award in recognition of his contributions to the innovation economy in Arizona and nationally.

Gonzalo A. de la Melena '93 B.S., president and CEO of the Arizona Hispanic Chamber of Commerce, and **Clarence McAllister '91 B.S.E., '97 M.S.**, president and CEO of Fortis Networks, were named among Arizona's 25 Most Influential Minority Business Leaders by AZ Big Media.

◆ **John J. Wolfe '92 B.A.**, intelligence analyst and forensic auditor with the New York State Police, was honored with the National Fusion Center Association's Excellence in Field Analysis Award 2013.



◆ **Meghan Dorn '02 B.I.S.**
accepted a position as communications director with the Tempe Chamber of Commerce.



◆ **Anja Timmerman '95 B.S.**,
owner and founder of Ounce of Prevention Consulting Services, completed a Masters in Health Informatics degree at the University of Illinois-Chicago.



◆ **Sheldon Blumling '95 B.S.**,
a partner in the Irvine, Calif., law offices of Fisher & Phillips LLP, was named in the Chambers USA: America's Leading Lawyers for Business 2014.

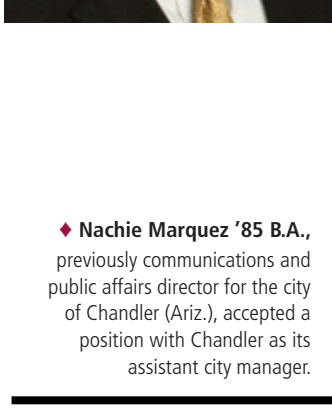
Sarah Kalicki-Nakamura '91 B.A.,
co-founder and co-owner of THINK, a business and training development company in Hawaii, received the 2014 Hawaii Better Business Bureau Torch Award in recognition of the company's commitment to marketplace trust, performance and integrity.



E. Calvin Matthews IV '98 B.S.,
outside general counsel for Show Me Hospitality, joined Armstrong Teasdale LLP, a St Louis, Mo., law firm as a partner in the Corporate Services practice group.



◆ **Patricia Armstrong '96 B.S.**,
a U. S. Postal Service employee for nearly 29 years, was recently promoted to assistant inspector in charge. She has responsibility in all postal facilities across the country for physical security and crime prevention as part of her work with the Postal Inspection Service.



◆ **Nachie Marquez '85 B.A.**,
previously communications and public affairs director for the city of Chandler (Ariz.), accepted a position with Chandler as its assistant city manager.



Michael J. Colburn '86 B.Mus.,
a colonel in the U.S. Marine Corps and the director of The President's Own U.S. Marine Band, retired from 27 years of service during a change of command concert and ceremony. As the director, Colburn served also as the music advisor to the White House, conducted the Marine Band at the Executive Mansion and all Presidential Inaugurations, among other duties.



Thomas Schmitt '91 B.S., co-owner of Schmitt Jewelers in Phoenix, was recognized at Luxury by JCK, an international trade publication, with the organization's inaugural Luxury Retailer of the Year Award. The theme of the 2014 award was "Redefining Fine Jewelry Through Innovation."

1980s

◆ **Edmundo Hidalgo '88 B.A., '00 M.B.A.**, president and CEO of Chicanos Por La Causa; **Diane G. Enos '87 B.F.A., '92 J.D.**, president of the Salt River Pima-Maricopa Indian Community; and **Steve Macias '87 B.S., '95 M.B.A.**, president and CEO of Pivot Manufacturing, were named among Arizona's 25 Most Influential Minority Business Leaders by AZ Big Media.

Raul Amavisca '88 B.S., previously senior transportation engineer with the California Department of Transportation, accepted a position as assistant district engineer with the Phoenix Maintenance District of the Arizona Department of Transportation. He manages roadway maintenance of state highways and freeways in the Phoenix area.

Michele Benjamin '88 B.A. is a New York jewelry designer who creates handcrafted, nature-themed pendants from sterling silver, gold, bronze and brass.

Lisa Bond-Maupin '87 M.S.W., '92 Ph.D., previously associate dean for Planning and Department Affairs in the College of Arts and Sciences at the University of New Mexico, accepted a position as founding dean of the College of Social Sciences and Communication at the University of Arkansas at Little Rock.

Jonathan Sands '86 B.S. is vice president of marketing/business development for Haas Racing Development in Mooresville, N.C. The company fields a Camping World Series team in NASCAR and will field a two-car Formula 1 team in 2016.

Les Storey '86 J.D. and ◆ **Rebecca Burnham '87 B.S.**, both attorneys in the Phoenix law offices of Greenberg Traurig, were named to the 2014 Edition of the Chambers USA Guide, a selective national listing of attorneys.

Kara McLaughlin '86 B.A.E.S.E., financial coach with the Mesa Community Action Network, received the Heart in Hand Awards from the Arizona Community Action Association in recognition of her volunteer work as a financial coach. She also develops volunteer programs and training materials for the organization.

David Lopez '85 B.S. was nominated by President Barak Obama for reappointment to the position of general counsel of the Equal Employment Opportunity Commission.

Michael McCall '85 M.A., '87 Ph.D., previously professor and chair of the Marketing and Law Department at Ithaca College (New York), accepted a position as director of The School of Hospitality Business in the Eli Broad College of Business at Michigan State University. He will hold the title of National Automatic Merchandising Association Professor.

Joseph Brugman '84 B.S., formerly chief of police for the city of Coolidge, accepted a position as chief of police for the city of Safford, Ariz.

Making wood work

Derek Skapars '05 B.A.

At the age of seven, Derek Skapars discovered what he wanted to do for the rest of his life.

"When I saw my father use the chop saw for the first time and it spit out sawdust along with the smell of fresh-cut oak, I knew I wanted to become a woodworker," he said.

His dreams became reality in 2006, when the craftsman started his own business, the Rustic New England Furniture Co., in his hometown of Dover, Mass., a suburb of Boston. Offering a wide selection of furniture, ranging from dining tables to Adirondack chairs to walking sticks, every item is designed by Skapars.

Business for in-stock and custom products increased steadily from the inception of his company until the national economic turndown hit the East Coast. Undaunted by the slump in orders, Skapars focused on seeking additional business opportunities.

"I am greatly influenced by an effective thinking course I took at ASU," he says. "It really taught me to think outside the box and use the information garnered through setbacks."

Using those entrepreneurial skills, he came up with the idea of teaching a course in Adirondack chair-making. As he recounts it, his ingenuity was boosted also by a change in the local educational environment.

"I was selling these ready-made chairs for \$99 each," Skapars said. "Now I make three times as much (teaching the classes). I'm utilizing my craft; I'm just coming from another direction." The fact that the public school system closed down their woodworking classes helped create a pool of students eager to learn this craft from an acknowledged master.

His ASU degree was in psychology and that, he asserts, is key to how he has adapted to the topsy-turvy economic environment of the past eight years.

"Professor Robert Cialdini drastically changed my life," says Skapars, referring to ASU's renowned emeritus Regents' Professor of psychology, who is best known for his book "Influence: The Psychology of Persuasion." "Learning what encourages people to buy things has helped me attract customers and students."

Skapars puts what he learned from Cialdini into action by giving away custom-made wooden pen holders in craft show raffles.

"Following the 'law of reciprocity,' the pen holder owner will contact me through my website address on the bottom, and I end up selling a piece of custom made furniture or (fill) another seat in my Adirondack chair-making course."

By Oriana Parker, a Phoenix-based freelance writer.





Kristen Bruskas
'86 B. Mus., '89 M.M.

accepted a position as executive director of the Phoenix Boys Choir.



Carole Beams '74 B.F.A., '80 M.A.,

an independent producer, a member of the national board of directors for the Producers Guild of America (PGA) and chair of the PGA-Weekend Shorts committee, received the organization's highest award for members, the Charles Fitzsimons Award for Extraordinary and Longstanding Contributions to the Producers Guild.



Jon Pettibone
'73 B.S., '76 J.D.,

an attorney with Quarles & Brady in Phoenix, Ariz., was named in the 2014 edition of the selective Chambers USA directory.



◆ **Jeff Patrick '84 B.S.**

accepted a position as supplier business manager with Avnet in Phoenix.



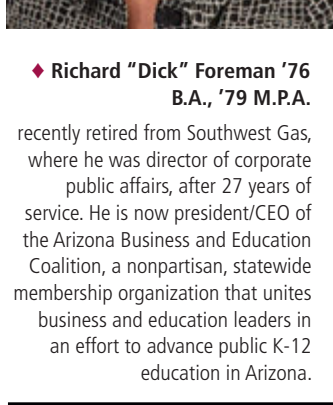
Carol Nelson Shepherd '75 B.A.,

a founding partner of Feldman Shepherd Wohlgelemer Tanner Weinstock & Dodig LLP, was named among the 2015 Best Lawyers in America by U.S. News & World Report.



Maria Pietroforte '87 B.S.,

previously senior vice president of property management for Corvias Group in East Greenwich, R.I., was named senior vice president of property management for The Community Builders, Inc., in Boston.



◆ **Richard "Dick" Foreman '76 B.A., '79 M.P.A.**

recently retired from Southwest Gas, where he was director of corporate public affairs, after 27 years of service. He is now president/CEO of the Arizona Business and Education Coalition, a nonpartisan, statewide membership organization that unites business and education leaders in an effort to advance public K-12 education in Arizona.



Jack Sellmeyer '66 B.S.E.

of Sellmeyer Engineering, received the inaugural George Marti Award for Engineering Excellence from the Texas Association of Broadcasters in recognition of his contributions to broadcast engineering.



◆ **David Cleary '84 B.S.**, a shareholder in the Phoenix office of the law firm Greenberg Traurig, LLP, was honored with a Turnaround Atlas Award (Media & Entertainment Turnaround of the Year) for work as a member of a team that assisted the restructuring of FriendFinder Networks Inc. The team received also a Deal of Year award at the 4th Annual ACG New York Champion's Awards.

◆ **Bob J. Mulhern '81 B.S., '83 M.B.A.**, managing director for Greater Phoenix Colliers International, Inc., was recognized by the Phoenix Business Journal on its list of the 25 Most Admired Leaders for 2014.

◆ **Natalie Vandeventer '81 B.A.**, previously development manager at the Scottsdale Museum of Contemporary Art, accepted a position as director of institutional advancement with The Heard Museum.

Ted Farris '80 B.S., professor in logistics and supply chain management at the University of North Texas, received the Bobby G. Bizzell Teaching Innovation Achievement Award from the AACSB Southwestern Business Deans' Association.

Michael Jordan '80 M.A., a researcher in the fields of computer science and statistics at the University of California-Berkeley, received the David E. Rumelhart Prize that is awarded to people who have made fundamental contributions to the theoretical foundations of human cognition.

Bruce Haffner '80 B.S., founder of news helicopter service Chopperguy LLC and formerly the pilot for NewsChopper 3, signed a five-year deal with 3TV and KPHO-5 in the greater Phoenix area to fly and provide news coverage for both stations.

Mike Keyes '80 B.Mus., a shareholder with Lommen Abdo Law Firm in Minneapolis, was elected to a two-year term as a board member of the firm.

1970s

◆ **Neil Giuliano '79 B.A., '83 M.Ed.**, the former mayor of Tempe, received the 2014 Don Carlos Humanitarian Award, the city's highest honor for sustained service to others.

Kjell Andreassen '78 M.B.A., managing partner, Acceler8 LLC, was elected to the Tempe Chamber of Commerce board of directors.

◆ **Phillip Cano '75 B.S., '79 M.B.A.**, senior government contract manager with General Dynamics and proud father of two ASU alumna, was honored with the 2014 President's Award at General Dynamics C4 Systems in recognition of his efforts to reduce the contractual backlog on the Prophet program and improve customers' experience.

◆ **Roxanne K. Song Ong '75 B.A.E.**, chief presiding judge of the Phoenix Municipal Court, was named among Arizona's 25 Most Influential Minority Business Leaders by AZ Big Media.



Leading the way Jamie Fletcher '06 B.S.

Running a logistics company is not a common childhood aspiration. But for Jamie Fletcher, CEO of global freight forwarding firm Mach 1 Global Services, it was a natural ambition. "Logistics is in my blood!" says the 30-year-old Scottsdale native. Her parents founded Mach 1 in 1988, so Fletcher worked for the firm throughout high school and college. "Being a family business, Mach 1 was always the topic of conversation at the dinner table," she notes.

But Fletcher didn't just waltz in and grab the top spot at the Tempe-based company, which provides logistics and transportation services to clients around the globe. After joining Mach 1 upon graduating from ASU's W. P. Carey School of Business in 2006, Fletcher spent the first year and a half in a rigorous training and development program, where she spent time in every department throughout the company. The experience "was instrumental in preparing me for my role today," she says. Fletcher also served as the company's marketing manager and director of national accounts before becoming CEO in 2009.

Fletcher, who is married to fellow Sun Devil Michael Fletcher '09 J.D. and has a daughter, Emery, credits her ASU education with giving her the business foundation to deal with key issues facing Mach 1 today,

which include a truck driver shortage, increased government regulations and security concerns, rising fuel costs, and economic uncertainty.

"I feel as though I graduated with the business expertise necessary to run an international company in today's dynamic global environment," she says. Fletcher counts her business law and real estate courses as particularly helpful for understanding contracts, which she deals with constantly, as Mach 1 has more than 30 real estate contracts via facility leases across the globe, as well as contracts with 90 percent of its top accounts.

Today, Fletcher spends much of her time globetrotting to Mach 1's worldwide locations throughout Mexico, as well as in Hong Kong, Shanghai, and Singapore. She also loves to travel for pleasure, having visited Africa, Australia, Europe, Canada, Belize, Costa Rica and various Caribbean islands. "I am most happy anywhere with a beach," she says. When she is back home at Mach 1's Tempe headquarters, she thrives on the constant variation of the business.

"Everyday is different," she says. "I have a 'whatever it takes to get the job done' mentality, and that's part of the culture here at Mach 1."

By Amy R. Partridge, a freelance business writer based in Thornwood, N.Y.

sun devil births



Nautica Leann Krygier

Nautica Leann Krygier was born to **Chris Krygier '06 B.S., '10 M.B.A.** and **Tara Krygier '10 M.B.A.** on Jan. 15, 2013, in Phoenix.

TJ Nakagawa was born to **Todd Nakagawa '03 B.I.S.** and **Heather Mayes '04 B.I.S.** on Feb. 20, 2014, in Scottsdale, Ariz.



TJ Nakagawa

Paul William Nelson was born to **Heather Nelson '04 B.S.** and **Daniel Nelson '04 B.S.** on Feb. 13, 2014, and joins big brother Lucas Daniel Nelson.



Paul William Nelson

Giada Mercedes O'Brien was born to **Abby O'Brien '00 B.I.S.** and **Robert O'Brien** on May 16, 2014, and joins her brother, Dominic Robert, and sister, Keeleigh Rose, at home in Huntington Beach, Calif.



Giada Mercedes O'Brien

Elilai Imiich Ramarui was born to **Abel Ramarui '04 B.S.E.** and **Melody Orak '07 B.A., '08 M.A.S.** on Dec. 25, 2013.

sun devil marriages



Jacory Hickerson and Brandy (Goins) Hickerson

Jacory Hickerson '13 B.S. and **Brandy (Goins) Hickerson '11 B.A.E.** were married at Noah's in Chandler, Ariz., on March 8, 2014. The couple is at home in Mesa, Ariz.



Elilai Imiich Ramarui



◆ **Marshall Trimble '61 B.A.E., '63 M.A.E.,** the official Arizona State Historian and the recently retired director of Southwest Studies at Scottsdale Community College, was recognized with the Semper Fi Award from the Marine Corps Scholarship Foundation.

1960s

Charles Wise '67 B.A. completed his term as founding director of the John Glenn School of Public Affairs at The Ohio State University and has been appointed distinguished visiting professor of public affairs at Arizona State University.

Gini (Coleman) Johnson '66 B.A. retired recently as coordinator of secondary social studies for the Wichita (Kan.) Public Schools and as an adjunct professor of graduate education for Friends University and Baker University.

◆ **Martin Shultz '66 B.A.E., '67 M.A.E.,** senior policy director with Brownstein Hyatt Farber Schreck, was appointed vice chair of the Citizens Committee on the Future of Phoenix Transportation, named chair of the Phoenix Parks Foundation Capital Fund campaign and asked to serve on the Arizona Supreme Court Committee on Mission and Governance of the State Bar of Arizona.

1950s

◆ **Lawrence E. Hooser '59 B.S.** recalls the efforts of the faculty, administration and alumni from the 1950's who fought for the institution's use of the name, Arizona State University. He continues to appreciate his ASU education that prepared him for 35 successful years in cancer research and faculty and research positions in respected research institutions.

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



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Email: alumni@asu.edu

Post Office: ASU Alumni Association, Attn: Class Notes, P.O. Box 873702, Tempe, AZ 85287-3702

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sun devil
snapshot



Down on the farm

We typically associate “school” with classrooms, notebooks and laptops, but for a number of years, Arizona State students learned about the natural world by putting their hands in the earth and tending to a variety of farm animals.

In 1956, the college’s farm was moved to a 320-acre site on Elliot and Price Road. Students at the ASU Research Farm were able to participate in all phases of agricultural production. At one point, the farm had a beef cattle herd, two breeds of sheep, 70 milking cows and 350 pigs, as well as a farm machinery center. Students learned about crop rotation and how to do the work of a farrier (a specialist in the care of horses’ feet). The farm research program was discontinued in 1979.

Today, the ASU Research Farm has been transformed into the ASU Research Park. The official groundbreaking for the research park occurred in December 1984; currently, lessees occupy 20 buildings scattered throughout the site, which provide a total of 1.8 million square feet. The park is currently home to 49 companies employing more than 4,000 people.

Photo courtesy University Archives, Arizona State University Libraries.

Alma Matter.

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