

December 2016 volume 20 number 2

**University retains top
innovation honor**

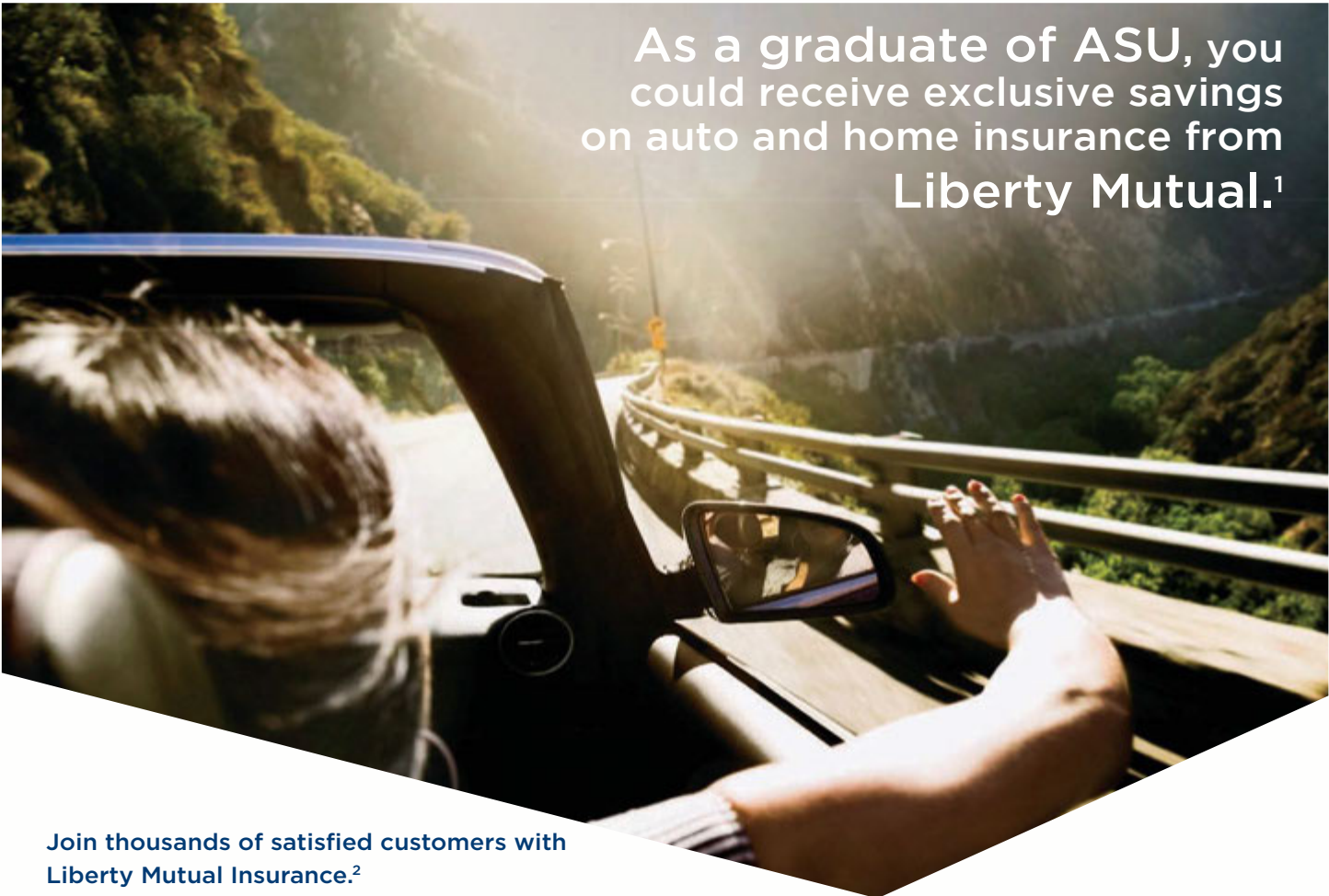
**Devils' Advocates celebrates
50 years**

**Studying and creating art
in Second Life**

J U S T G E T T I N G S T A R T E D

ASU PRINCIPLES IGNITE TECH STARTUPS IN THE VALLEY





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President's Letter

As another calendar year draws to a close, we celebrate our accomplishments this year and move forward into the future with optimism. Many times it is valuable and enjoyable to review what has happened in the past. When Sun Devils gather, memories are inevitably shared, and comparisons often made between now and what it was like in "the old days." But life

can only be lived forward, and the future is our collective destination.

The ASU Alumni Association often functions as a bridge between the past and the future. Our events and programs share the mind-expanding innovations being developed at the university, as well as celebrate the special moments from our history that make our institution what it is. In 2016, our organization took a leap into the future by revamping our membership model to emphasize philanthropy, and we're thankful for the generosity of our contributing members. We also upheld our role as the university's tradition keeper by hosting our annual Legends Luncheon and the Whitewash the A activities, as well as by convening a luncheon for former State Pressers from graduation classes reaching back more than five decades.

In this issue, one of our feature stories celebrates a major ASU historical milestone — the 50th anniversary of the Devils' Advocates, our distinctive campus tour guide student organization. We balance this nostalgic story with an exciting look at how ASU is fueling the Valley of the Sun's economy by supporting home-grown technology business startups.

Other forward-looking articles in this issue include an arts feature on the use of the virtual reality platform Second Life in teaching and creating visual art, and a sports feature that speculates on how the arrival of Coach Bob Bowman will impact the future of ASU's swimming and diving team. We don't forget our roots, though, either, as we discuss Sun Devil family traditions for a report in Alumni News.

Next year will offer new opportunities to share ASU's success stories and connect with fellow Sun Devils. We invite you to visit our website at <http://alumni.asu.edu/engagemore> to discover ways in which you can become involved with the Alumni Association. Until then, we wish you all the best and a wonderful and prosperous 2017!

Christine K. Wilkinson

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

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Just getting started

There is a tech startup boom happening in the Valley of the Sun, with an army of new startups attracting attention, financial backing and workers. It's a development that ASU has been helping foster for more than a dozen years, and now the fruits of those efforts are sprouting all over the university's campuses and throughout the Valley.



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Walking the walk

For half a century now, tens of thousands of students, parents and visitors have received their first glimpse of ASU campuses courtesy of a Devils' Advocate. The group has blossomed over the past five decades into one of the most recognizable and prestigious student organizations on campus, responsible for providing a positive first impression for Arizona State University.



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Alumni Association President Christine K. Wilkinson discusses the organization's role as a bridge between the university's past and its future.

University News

ASU Foundation enjoys a record year of providing university support; Sierra Magazine includes university in its "Cool Schools" rankings; ASU retains its title as "No. 1 in innovation" with U.S. News and World Report; Barrett, the Honors College names honorees for its Distinguished Alumni Award.



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Sports

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Art Education Professor Mary Stokrocki uses Second Life, a free user-created 3-D virtual world, as a platform for her undergraduate and graduate classes, allowing students to soar inside of the world's great works of arts and to create their own unique artwork. Plus: New books by alumni, staff and faculty in Shelf Improvement.



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Victory Village welcomed thousands of World War II veterans and their families to campus during its brief period as a housing solution to the skyrocketing number of students at Arizona State in the late 1940s.

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Leading change

ASU selected nation's most innovative school
for second straight year



Photo courtesy of ASU Now

ASU has been recognized as the nation's most innovative university for the second year in a row, according to rankings from U.S. News & World Report.

For the second consecutive year, Arizona State University is the nation's most innovative school, according to U.S. News & World Report rankings.

The widely touted list compares more than 1,500 institutions on a variety of metrics. The latest review is based on a survey of college presidents, provosts and admissions deans around the nation. ASU has taken the top spot in each year the innovation category has been considered.

The back-to-back No. 1 rankings demonstrate that the news magazine's annual poll recognizes ASU's overarching approach, rather than a single initiative or moment, university officials said.

"We do things differently, and we constantly try new approaches," ASU President Michael M. Crow said. "Our students' paths to discovery don't have to stay within the boundaries of a single discipline. Our researchers team up with colleagues from disparate fields of expertise. We use technology to enhance the classroom and reach around the world. We partner with cities, nonprofits and corporations to support our advances as the higher-education economy evolves. This ranking recognizes the new model we have created."

Stanford University and the Massachusetts Institute of Technology took the No. 2 and 3

spots, respectively, maintaining last year's positions. Georgia State, University of Maryland-Baltimore County, Carnegie Mellon, the Georgia Institute of Technology, Northeastern, Portland State, Purdue and Michigan filled out the rest of the top 10. Because of a tie, there are 11 schools with a top 10 ranking.

Voting panel members nominated up to 10 colleges or universities making the most innovative improvements for curriculum, faculty, students, campus life, technology and facilities.

In the year since its first No. 1 ranking, ASU has extended its global reach by joining with universities in the United Kingdom and Australia in an alliance to meet education needs in developing nations. The university also has launched the Global Freshman Academy, which allows students to take online classes and decide later whether to pay for the credits. The school also defied skepticism over putting laboratory classes on the web and offers the first online, accredited engineering degree.

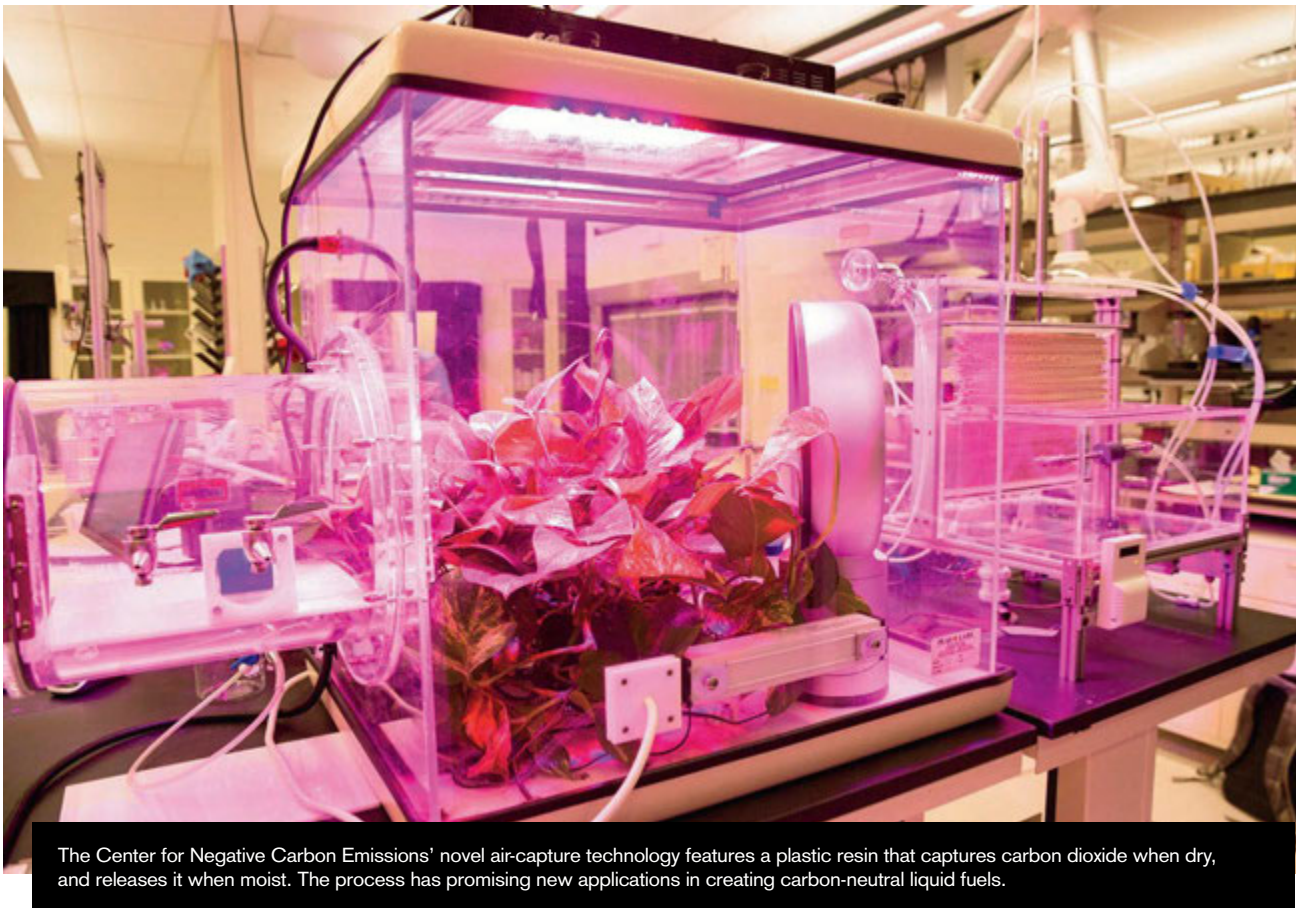


Photo courtesy of Jessica Hochreiter/ASU

The Center for Negative Carbon Emissions' novel air-capture technology features a plastic resin that captures carbon dioxide when dry, and releases it when moist. The process has promising new applications in creating carbon-neutral liquid fuels.

Out of thin air

ASU researchers refine air-capture fuel technology

Nonrenewable fossil fuels give liquid fuels a bad name. But not all liquid fuels are fossil fuels, and fuels don't have to be dirty. Fuels are considered dirty when they put new carbon dioxide into the atmosphere, which causes pollution and the buildup of environmentally detrimental greenhouse gases.

But what if rather than using fuels that add carbon dioxide, we could create fuels that recycle carbon dioxide from the atmosphere?

Researchers at Arizona State University are exploring the idea of creating fuels that do just that: carbon-neutral liquid fuels. Think of them as fuels created out of thin air.

The endeavor builds on the advances being made at ASU's Center for Negative Carbon Emissions (CNCE), which is developing a technology that collects carbon dioxide from the atmosphere using an air-capture technique that literally scrubs it from the air and then captures it so it can be reused at an affordable cost — a carbon dioxide recycling program.

This effort moves toward closing the carbon cycle, which means making sure no new carbon dioxide ends up in the atmosphere — essential for ensuring that concentrations don't surpass unsafe limits for life on Earth.

In addition to the environmental benefits of removing car-

bon dioxide, excessive amounts of it can be turned into carbon-neutral liquid fuels, making it a renewable energy source.

The big impacts of this technology are threefold.

First, it can help society to become carbon neutral. Second, the technology is attractive because carbon-neutral liquid fuels can be used within our current industrial infrastructure. And third, it addresses some of the limitations of other renewable energy methods. Solar and wind power experience intermittent drops in energy production. Much like traditional liquid fuels, carbon-neutral liquid fuels can be stored long-term and used as needed.

CNCE researchers promoted and built on their ideas further when ASU hosted the Fuels From Air Conference in September. The event brought researchers from around the world to discuss closing the carbon cycle, techniques in taking fuels from air and different ways to turn carbon dioxide into fuels.

Arvind Ramachandran, an ASU environmental engineering doctoral student and a budding specialist in this new and exciting field, said it best: "The answer to our search for a sustainable future is likely to involve a combination of technologies — and fuels from air will play an important role."

Legally speaking

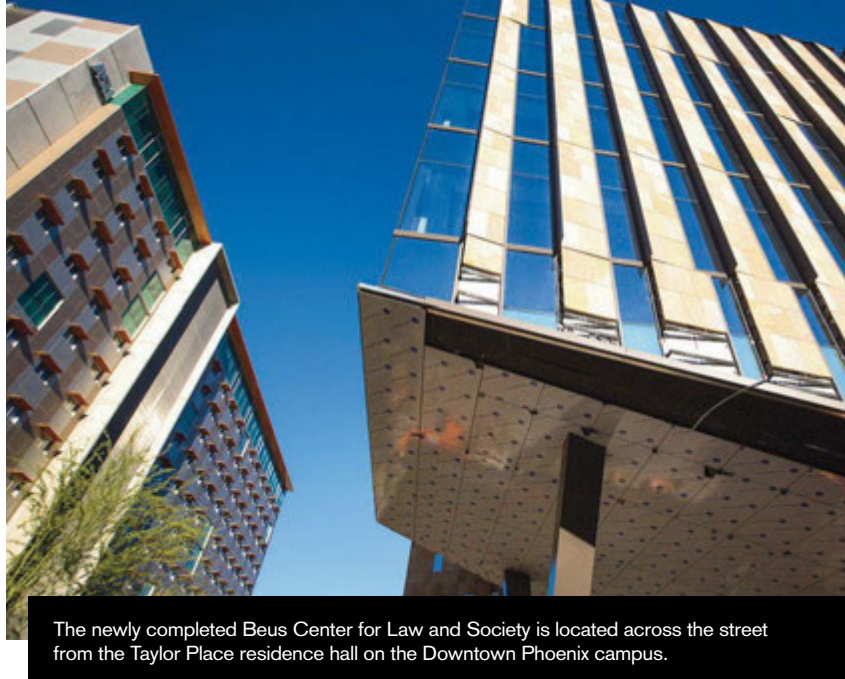
ASU Law settles into new building on Downtown Phoenix campus

Early in the fall semester, ASU Law celebrated the grand opening of its new home at the Beus Center for Law and Society on ASU's Downtown Phoenix campus, capping a decade-long relocation project aimed at making the school more accessible to top lawyers, government officials and everyday people.

"The goal is to create a single point where students, educators, political leaders, the legal community and the public can interact and connect," said Doug Sylvester, dean of the Sandra Day O'Connor College of Law. "That is different than any other law school in the country."

ASU Law, one of 12 occupants inside the Beus Center for Law and Society building, is now home to 900 students. The group will be closer to the state Capitol and legal district, providing them with better access to internships and professional opportunities.

It wasn't easy finding available land for the building that would become home to ASU Law. In 2010, a vacant motel came up for sale and the city of Phoenix purchased it for \$5 million, using the last of the \$233 million bond funds



The newly completed Beus Center for Law and Society is located across the street from the Taylor Place residence hall on the Downtown Phoenix campus.

Photo courtesy of Charlie Leigh/ASU Now

passed by voters in 2006. After a number of delays, work started in earnest in 2014 after the city provided the land and an additional \$12 million to start construction. ASU, meanwhile, raised nearly 10 times that to fund the work.

The new building reflects the growth of ASU Law, which bucks a national trend; law schools across the United States have cut staff amid declining enrollments over the last five years. Not so at ASU. Aside from increases in students and staff, the law school also has secured a top 25 ranking from U.S. News & World Report and has been recognized

as the top school in the state for graduates successfully passing the bar exam.

Sylvester is looking to build on that momentum in the Beus Center for Law and Society, which also has spaces for think tanks, several legal aid clinics, a first teaching law firm and a permanent office for retired U.S. Supreme Court Justice Sandra Day O'Connor.

"It's a place where if you think you need a lawyer, we can help you find one or refer you to a firm," Sylvester said. "That feature is really unique among any law school in the country and advances the ASU mission across the board."

Better together

ASU's Night of the Open Door joins forces with Emerge, sustainability festivals

The Night of the Open Door, ASU's family friendly celebration of STEAM (science, technology, engineering, arts and math), will join forces in 2017 with the university's Sustainability Solutions Festival and the futuristic arts exposition Emerge, with events scattered throughout the month of February.

The Night of the Open Door, now in its sixth year, is part of the Arizona Sci-Tech Festival and drew more than 30,000 visitors to ASU's five Valley campuses last year. Area families are invited to take part in more than 360 hands-on experiences, tours, performances, creative activities, demos, games and design challenges. It will be augmented by the Sustainability Solutions Festival, which convenes the planet's top sustainability organizations to discover and explore how we can individually and collectively reimagine human lives on

Earth. The Emerge conference draws the community into conversation about the desirability and consequences of different technological pathways. This year the theme of Emerge will be "Frankenstein," in celebration of the 200th anniversary of Mary Shelley's classic novel.

The Night of the Open Door keeps its own doors open thanks to the efforts of hundreds of undergraduate, graduate student, staff and faculty volunteers from 150 academic groups.

"I'm impressed by the energy that our volunteers pour into Night of the Open Door each year," said Darci Nagy, ASU special events manager. "It's grassroots. Their enthusiasm makes visitors' discoveries in sustainability, medicine, journalism, language, sciences and engineering more personal and exciting."

According to Margaret Coulombe, director of executive communications

for the Office of the University Provost, one of the most important functions of the Night of the Open Door is to allow future students to picture themselves creating a future that matters to them.

"You don't know you can become something if you don't know it exists," Coulombe said. "Coming to ASU for Night of the Open Door gives people of all ages the chance to reach out, discover and create the future they want."

Night of the Open Door 2017 dates

- Feb. 3: Downtown Phoenix – 4-9 p.m.
- Feb. 11: West – 4-9 p.m.
- Feb. 17: Polytechnic – 4-9 p.m.
- Feb. 18: Thunderbird – 4-8 p.m.
- Feb. 25: Tempe – 3-9 p.m.

For additional information, visit: <https://opendoor.asu.edu>.

Achievement oriented

Barrett announces 2016 Distinguished Alumni Award recipients

Barrett, the Honors College at ASU, is pleased to announce its 2016 Distinguished Alumni Award recipients, who were recognized at the college's annual alumni reunion on Oct. 21 as part of ASU's Homecoming festivities.



Nicholas Kunz

'12 B.S.D. - Design/Housing and Community Development

Nicholas Kunz is a 21st century renaissance man, blending his talents in design, music and military strategy to craft a career filled with contribution and success. After graduating from ASU, Kunz used his degree as a volunteer community designer for AmeriCorps VISTA, creating a development model for a historically underserved and segregated neighborhood in south Dallas, and served on a multidisciplinary collaborative effort to improve the lives of 60,000 children who suffer from asthma in Dallas County, Texas.

Kunz also worked during and after his education at ASU as a design consultant for his consulting practice, n Creative Studios, and pioneered a "microphasing" design solution for a housing development project in Tempe. Simultaneously, he worked as tour manager and guitar technician for four Billboard 200 charting recording artists, providing logistical and technical support in a variety of contexts.

In 2014, Kunz joined the U.S. Army, and has since become a Ranger and Special Forces candidate. He has trained on forcible entry missions, direct action raids and ambushes, airfield seizures, and personal and equipment recovery operations.



Bee-Lian Quah

'08 B.S.E. - Engineering/Bioengineering

Bee-Lian Quah has leveraged her engineering degree and her passion for entrepreneurship to advance quickly in the corporate workplace. After graduating from ASU with a degree in bioengineering with a technical entrepreneurship emphasis, Quah was accepted into a highly competitive leadership development program at Vanguard in Scottsdale. She then advanced to a project lead position at the company, overseeing a five-year, \$150 million strategic technology program for Vanguard's retail division.

After a stop at Nationwide as a corporate strategy intern in 2012, Quah took a position at IBM as a consultant. She has specialized in developing management and strategic plans for the company's interactive experience and digital divisions. She has flexed her entrepreneurial muscles as CEO of her own startup, Sociate, which aims at making professional-relationship building simpler and more effective. She shares what she has learned as a business professional by mentoring junior consultants at IBM, students she meets through the organization Girls Who Code, and she spoke at the C2 Consulting Conference at ASU this past fall.



Robert McWhirter

'83 B.S., '88 J.D.

Robert McWhirter is a nationally known speaker and author on the topics of trial advocacy, immigration law, and the history of the Bill of Rights. He is the author of several highly regarded works, including "Bills, Quills, and Stills: The History of the Bill of Rights" (2015), and "The Criminal Lawyer's Guide to Immigration Law: Questions and Answers" (2006, second edition). In 2010, U.S. Supreme Court Justice Samuel Alito's decision in *Padilla v. Kentucky* quoted extensively from McWhirter's book.

He has extensive experience sharing his legal expertise outside of the United States. He has been a visiting professor at Catholic University of Chile and the University of Chile. In 2010-11 he served in El Salvador administering an \$11 million USAID project to reform the justice system there, supervising trainings for Salvadoran court personnel, police, prosecutors and public defenders.

Closer to home, McWhirter was the supervising criminal attorney from March 2014 until July 2016 at the ASU Alumni Law Group, a teaching law firm representing underserved clients. He was named a Southwest Super Lawyer in 2009, a recognition rarely conferred on a public defender.

For more information on the 2016 Distinguished Alumni Awards, visit: <https://barretthonors.asu.edu/alumni-friends/who-we-are/distinguished-alumni-awards>.



Photo courtesy of ASU Foundation.

A wall representing the many donation opportunities associated with Sun Devil Giving Day 2016.

Improving the ASU experience

Foundation reports a record year of support

Individuals, corporate and foundation partners donated more than \$215 million in fiscal year 2016 to support Arizona State University's educational programs, research and services that enhance student success and community engagement.

The amount reflects the best-ever year in the history of the university. It is the second consecutive year that the ASU Foundation For A New American University — the nonprofit organization that raises and invests private support on behalf of ASU — generated more than \$200 million in new gifts and commitments. These contributions do not replace core funding from state appropriations and tuition, but rather augment and enrich the ASU experience.

This year more than 100,000 donors, including 23,000 alumni, made contributions ranging from a few dollars to a few million.

"Private support affects nearly every aspect of the ASU experience — from scholarships and named professorships to art supplies, museum exhibits, alumni events and athletic facilities," said ASU President Michael M. Crow. "This year's support reflects donors' tremendous relationships with so many aspects of this great university."

More than 8,400 ASU students received a total of \$42 million in scholarships from benefactors in the last school year, supplementing an array of financial aid resources that help defray the cost of attendance for some of those enrolled.

Longtime supporters and first-time donors alike participated in Sun Devil Giving Day, an annual, university-wide event that culminated in more than \$4 million raised from 2,548 individuals in just 24 hours — an increase of 185 percent in assets and more than 50 percent in donors from the previous year. For the first time, Sun Devil Giving Day partnered with Snapchat and Uber to form non-traditional channels for users to sustain their favorite areas of ASU.

Regardless of their area of greatest passion, ASU benefactors contribute to a culture of philanthropy that is generating new opportunities at the nation's most innovative university.

"President Crow's vision for Arizona State University remains bold, compelling and transformational," said Rick Shangraw, chief executive officer of the ASU Foundation and its parent organization, Enterprise Partners. "ASU's investors help deliver the resources necessary to achieve that vision. We are grateful for all they do."

To read more stories about the impact of private support at ASU, visit <http://www.asufoundation.org/impact>.

Sustainable improvements

ASU jumps to No. 6 in Sierra Club rankings

It's easy to be green — if you're a Sun Devil.

Arizona State University's sustainability efforts have earned it a top 10 ranking in Sierra magazine's 10th annual "Cool Schools" ranking of America's greenest colleges and universities, released earlier this year.

ASU came in at No. 6, moving up five spots from its 2015 ranking.

More than 200 schools participated in Sierra's extensive survey about sustainability practices on their campus. Using an updated, customized scoring system, Sierra's researchers ranked each university based on its demonstrated commitment to upholding high environmental standards.

Sustainability efforts aren't just about the university's operations, said Mick Dalrymple, director of ASU's University Sustainability Practices — it's about changing habits and mind-sets.

"Universities are about opening people's minds," Dalrymple said. "If we can get students, staff and faculty to see new opportunities for improving how we treat the environment and each other on campus, we can help them take those innovations out into the world to improve their lives, careers, neighborhoods and society."

ASU scored high in several categories, including bike facilities, organic gardens, undergraduate programs, student outreach and move-in/out waste reduction. The university has

Photo courtesy of ASU Now



The solar panel array north of the Memorial Union on ASU's Tempe campus is one of 88 such installations scattered across ASU's five campuses.

a number of high-profile sustainability initiatives, including the Campus Metabolism, an interactive web tool that displays real-time energy use on four campuses and at the ASU Research Park; hosting a Rescued Food Feast that saved 600 pounds of edible food from the landfill; solar installations across all four campuses producing more than 24 megawatts of electricity; and Zero Waste efforts that resulted in a FY 2016 landfill diversion rate of 35.6 percent. It also is home to the nation's first School of Sustainability, which celebrated its 10th anniversary in 2016.

Other Arizona universities also made the list: Northern Arizona University was ranked 52nd, and the University of Arizona came in at No. 162. The full rankings can be found at www.sierraclub.org/coolschools.

Generosity

lets me reach for the stars

"When I was twelve, I saw the movie *Apollo 13* and fell in love with space exploration. Now, because of scholarships at ASU, I will be developing aircraft at a summer internship. Thank you for letting me explore the mysteries of the universe."

— **JANET NEVAREZ**, aerospace engineering,
ASU School for Engineering of Matter, Transport, and Energy



Learn how you can make a difference. ASU.EDU/GIVE

ASU Foundation
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Pre-health program gives participants a practical advantage

In the past, students majoring in pre-health disciplines practically had to jump through hoops to get a significant amount of hands-on medical experience during their undergrad years. Now, ASU's Office of Clinical Partnerships' Pre-Health Internship Program (PHIP) is providing a one-stop shop where they can apply for and be matched to internships that provide them with the relevant clinical hours they need to gain the experience and edge they need to go on to med school.

Pre-health majors come from a variety of schools and colleges within ASU, and this program is for all of them. Before it existed, there simply wasn't a coordinated effort between all of the schools and colleges aimed at helping students get internship experience, said Renae Larcus, manager for health internships at ASU; they each had their own way of doing things.

So the task for Larcus and her colleagues was to identify how to provide a coordinated approach for students looking for clinical internships. "The intent was to create a one-stop shop where students could do the application process and be matched to a placement site that fit them," she said.

There are three sessions available: spring, summer and fall. The program placed its first cohort of 19 students in the summer 2015 session, and that number grew to 40 for the summer 2016 session. For this fall's session, they anticipated placing 125 pre-health students in clinical internships.

Elena Ion participated in the program's spring 2016 session and has since graduated from ASU with a bachelor's in microbiology. She was placed at HonorHealth Scottsdale Shea Medical Center, where she shadowed doctors and nurses.

"This internship gave me the opportunity to see how the doctors interact with patients, and how the nurses interact with patients," Ion said.

Kenny Peterson, who participated in an internship at the Midwestern University's Companion Animal Clinic in Glendale, thought being a veterinarian would be somewhat laid back before



Photo courtesy of Charlie Leight/ASU Now

ASU's Kenny Peterson does an initial check of Molly, a 4-year-old Chihuahua mix brought in with a skin issue, at Midwestern University's Companion Animal Clinic in Glendale. Peterson, a biology junior, is serving a nine-week internship at the clinic.

his internship began.

"In all actuality, it's a pretty non-stop industry," he said. "If you have one client in a room, you might be finishing up paperwork on the client you were just with, and you have another person coming to you with another client that's ready to see you. So I've just been learning a lot of good techniques on how to handle stress, how to handle difficult situations and still be professional."

Aside from the clinical hours, the internship also has a class portion in which students learn invaluable information, like how to apply for med or vet school.

As for Peterson, he completed his internship over the summer, but still has one more semester before graduating from ASU with his bachelor's in biology in May. When he does, though, he'll have plenty of clinical experience.

"It's definitely very competitive and difficult to get into the medical field," he said. "So having an internship like this — whether it's at Midwestern, or a private practice, or something else — at least you're getting that experience. And after this semester, I will have 135 hours of clinical experience that I can add to my resume."

Keeping the Navy's aircraft in shipshape

Engineers at Arizona State University are tackling research to aid the performance and safety of the U.S. Navy's aging fleets.

Service loads paired with harsh environmental conditions are of paramount concern to naval officials as they seek to predict the lifetime of maritime structures, primarily aircraft, essential for national security and mission readiness. As the Navy primarily operates in harsh saline environments, corrosion has a significant influence on the materials that make up naval aircraft.

Corrosion is not only a big word in regards to structural integrity, it is also an expensive word for the Navy.

For instance, according to a Logistics Management Institute study for the Department of Defense, the cost of corrosion for Navy and Marine Corps ships and aviation between 2010 and 2012 was a combined \$5.7 billion. Corrosion accounted for 29 percent of the Navy and Marine Corps aviation maintenance cost during those years.

The study also predicted that the Navy experiences, on average, 20 percent down time due to unscheduled maintenance every year.

However, associate professor Kiran Solanki and his collaborators champion an approach that doesn't look at corrosion in isolation.

Supported by a \$635,000 grant from the Office of Naval Research, Solanki's team is developing a more complete method to study joint degradation behavior by combining electrochemical and material/mechanical concepts.

He points out a problem encountered in the field that the scientists and engineers who build long-lasting naval structures do not collaborate enough. Electrochemists study the effects of corrosion. Materials scientists study the microstructural influence of fatigue and fracture. The problem is they don't look at how these areas impact each other.

"When you have material deformation, such as during fatigue, and corrosion happening simultaneously in structural materials you have the worst case scenario," said Solanki, the grant's



Engineers at Arizona State University are tackling research to aid the performance and safety of the U.S. Navy's aging fleets.

Photo courtesy of Pixabay

principal investigator. "Our goal is to combine the knowledge of these two areas and to look at how they influence each other."

Nik Chawla, a Fulton professor of materials science and engineering at ASU, is the co-principal investigator of the grant, and offers expertise in material microstructural influence on the fatigue behavior.

Solanki describes their approach as seeking a bottom-up understanding, meaning they're studying electrochemical and structural problems at a very small scale to understand better problems that happen at a larger, more visible layer. A lot is happening at the nano-scale level before a crack visually appears in the materials that make up marine aircraft, for example.

"We are looking at features that are very, very small, but provide a critical understanding of structural integrity," said Solanki.

To Solanki's knowledge there are no prior experimental-modeling studies looking at the combined effects of



Associate professor Kiran Solanki is conducting breakthrough research with support from the Office of Naval Research and his team at ASU.

Photo courtesy of: ASU Now

environmental and mechanical loading in naval structural elements — making this research the first of its kind.

"There's a lot of history in the literature where they are looking at one of these aspects, but they've never pulled them together in the way we are," said Solanki.

Mayo Clinic and ASU launch Alliance for Health Care

In October, the world-renowned Mayo Clinic and Arizona State University launched the Mayo Clinic and Arizona State University Alliance for Health Care (Mayo ASU Alliance), a comprehensive new model for health care education and research that aims to improve patient care and delivery, accelerate research discoveries, and transform medical education.

Drawing on strengths from each institution, the Mayo ASU Alliance will not only develop physicians and other health professionals to provide medical care, but also equip them to shape and improve the complicated health care system.

The alliance draws on more than 80 joint faculty appointments and shared space on each campus. In early 2017, construction will begin on a 150,000-square-foot Health Solutions Innovation Center adjacent to Mayo Clinic Hospital in Phoenix. The facility will be open to both ASU students and Mayo Medical School students and will feature an innovation hub, biomedical engineering and informatics research labs, and a healing arts education area.

The formal alliance cements connections between the two institutions that have been years in the making. Ongoing collaborations include a certificate for students in Mayo Medical School from ASU's School for the Science of Health Care Delivery, which students earn along with their medical degree. The courses in the certificate program will teach students to use innovative science and data to evaluate the quality, safety and value of health care as well as improve real-world patient care and outcomes. The new physicians also will have the option of continuing beyond the certification to pursue a master's degree in the Science of Health Care Delivery program through ASU.

In addition to the Science of Health Care Delivery program, the alliance also is developing other joint education programs in law, business, engineering and nursing. It already boasts numerous joint research programs, many which draw on team science, seed research and acceleration grants.

Mayo Clinic and ASU are collaborating in such wide-ranging areas as



ASU President Michael Crow and Mayo Clinic President and CEO Dr. John Noseworthy, M.D., sign the agreement for the newly formed Mayo Clinic and Arizona State University Alliance for Health Care.

biomedical informatics and bioengineering, molecular detection and medical imaging, metabolic and vascular biology, regenerative and rehabilitative medicine, and wearable biosensors and knowledge management.

For additional information on the Mayo ASU Alliance, visit <https://mayo.asu.edu/>.

Former President Jimmy Carter named 2017 O'Connor Justice Prize recipient

Former U.S. President Jimmy Carter, whose three and a half decades of international humanitarian work earned him a Nobel Peace Prize, has been selected to receive the 2017 O'Connor Justice Prize.

The award is named for retired U.S. Supreme Court Justice Sandra Day O'Connor and is administered by the Sandra Day O'Connor College of Law at Arizona State University. It recognizes exemplary leadership in rule-of-law initiatives.

Since leaving office as the nation's 39th commander-in-chief, Carter's work, through his nonpartisan, nonprofit Carter Center, has come to define a successful post-presidency.

His center's work includes conflict mediation, election observation, democracy promotion and disease prevention. The organization's efforts span the globe, including Africa, South America, the Caribbean and the Korean Peninsula.

According to his 2002 Nobel citation, his award was "for his decades of untiring effort to find peaceful solutions to international conflicts, to advance democracy

and human rights, and to promote economic and social development."

One of his most significant successes as president was the 1978 Camp David Accords, a peace treaty between Israel and Egypt.

The Carter Center has also been integral in the near-elimination of the parasitic guinea worm, which causes a painful infection. In the 30 years since eradication efforts began, guinea worm infections have decreased 99.99 percent from 3.5 million in 1986 to 22 in 2015, according to the center.

Carter, 91, announced in August of 2015 that he had metastatic melanoma that had spread to his liver and brain. He joked at the time, "I would like the last Guinea worm to die before I do." In March 2016, Carter announced to Sunday school class he regularly leads that his body was free of cancer and that he no longer was receiving cancer treatments.

The O'Connor Justice Prize was founded in 2014. Past honorees include Ana Palacio, former foreign affairs



Former U.S. President Jimmy Carter has been selected to receive the 2017 O'Connor Justice Prize.

minister for Spain, whose influence was pivotal to the incorporation of human rights into the fabric of the European Union, and Navanethem "Navi" Pillay, United Nations High Commissioner for Human Rights who fought to uphold the freedoms of anti-apartheid activists in South Africa. Carter is slated to accept the award at a dinner on Jan. 27, 2017.

For more information on the O'Connor Justice Prize, visit <http://oconnorjusticeprize.org/>.

Photo courtesy of : ASU Now

ASU Regents' Professor Norman Dubie wins Griffin Poetry Prize

Norman Dubie, Arizona State University Regents' Professor of English, was awarded the 2016 international Griffin Poetry Prize for his collection "The Quotations of Bone," an exploration of viciousness and humanity. It is his 29th collection of poems.

"This is huge news — for Norman, the Department of English, ASU and the creative writing program," said Cynthia Hogue, Maxine and Jonathan Marshall Chair in Modern and Contemporary Poetry and professor of English at ASU. "This international poetry prize is just shy in distinction of the Nobel Prize internationally, or the Pulitzer Prize nationally. 'The Quotations of Bone' is one of Dubie's most powerful and visionary works in the last two decades."

Dubie established the ASU Department of English's master of fine arts program in creative writing — which U.S. News & World Report has ranked in the top 20 in the nation — in 1975. He has taught at the university since then, during which time his writing appeared in virtually every major outlet of poetry, including the American Poetry Review, the New Yorker and the Norton Anthology of Modern Poetry.

He is the recipient of fellowships from the National Endowment for the Arts, the Guggenheim Foundation and the Ingram-Merrill Foundation, among others. In 2003, Dubie's "The Mercy Seat: Collected and New Poems 1967-2001" won the PEN USA prize for Best Book of Poetry.

The lucrative Griffin Poetry Prize is administered by the Griffin Trust, which was founded in 2000 by publisher Scott Griffin with authors and Griffin trustees Margaret Atwood, Robert Hass, Michael Ondaatje, Robin Robertson and David Young. Its purpose is to raise awareness of the role of poetry.



ASU Regents' Professor Norman Dubie established the ASU Department of English's master of fine arts program in creative writing in 1975. He is the winner of the 2016 international Griffin Poetry Prize.

ASU brings pioneering circular economy training to rapidly developing countries

Lagos, Nigeria, is an international megacity with an ever-growing population, dwindling resources and widespread environmental impact, and has become the poster child for rapid urbanization in the developing world, despite being the center of the fastest-growing economy in Africa.

By 2050, the population of Lagos is predicted to double to nearly 36 million people, putting Nigeria on track to be the third-largest country in the world with a total population of 440 million, surpassing the United States and Russia. This unprecedented growth places an urgency among its residents, businesses and leaders to address its growing development and quality-of-life challenges.

This spring, ASU's Walton Sustainability Solutions Initiatives hosted a three-day Introduction to Ethical Circular Economy workshop — the first in the world — at Sustainability School Lagos, an institution modeled after the Arizona State University



Participants in the world's first Ethical Circular Economy workshop, held in Lagos, Nigeria, discuss their plans for local economic development through recycling and waste efforts.

Julie Ann Wrigley Global Institute of Sustainability. The workshop was co-led by two senior sustainability scientists from the Walton Initiatives' Global Sustainability Solutions Services, general manager Dan O'Neill and practice lead Rajesh Buch, with Olufemi Olarewaju (ASU Executive Master of Sustainability Leadership graduate), executive director and faculty member of Sustainability School Lagos.

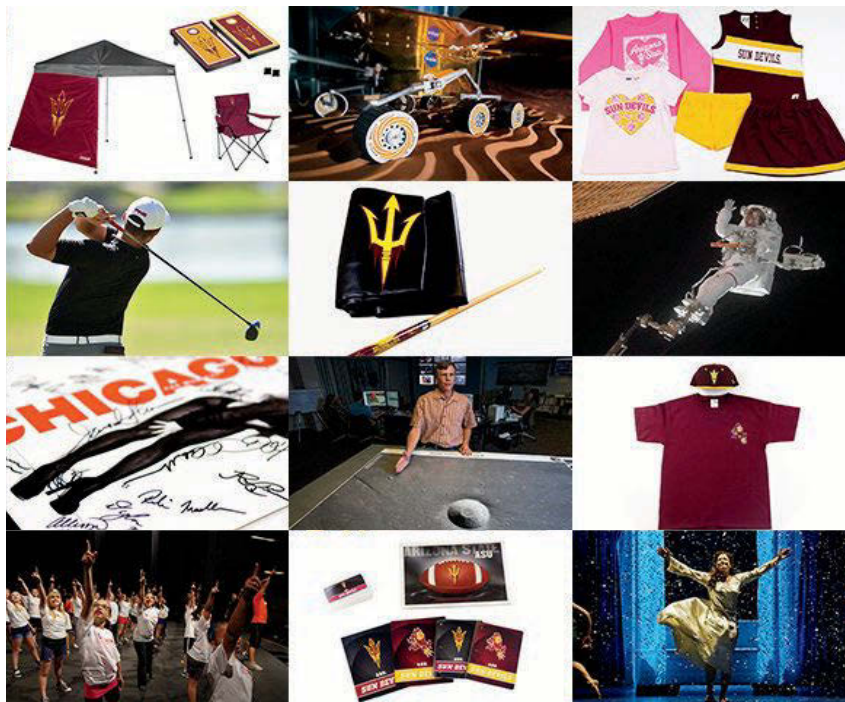
A circular economy is an alternative to the traditional linear economy. In a circular economy there is no such thing as waste; resources are remanufactured, refurbished and recycled to keep components and materials circulating in and contributing to the economy. This concept has been gaining momentum in Europe and the United States, but has yet to take hold in developing countries.

The workshop is a component of a broader course provided by ASU also called Introduction to Ethical Circular Economy. The 35 participants who attended the workshop in Lagos included Sustainability School Lagos students, city and state officials and members of the New Nigeria Foundation, a group of Nigerian stakeholders committed to promoting sustainable community development through public-private partnerships. Prior to the workshop, participants reviewed four modules of content, requiring 20 hours of online work to prepare for the solutions-based learning approach of the workshop.

Participants left the workshop with a certificate, a vision for a circular economy in Lagos and ideas for solutions that will be documented in a future published report.

Development and delivery of the course was funded by a grant from the Ray C. Anderson Foundation. Earlier this year, ASU became a Pioneer University of the Ellen MacArthur Foundation's prestigious international Circular Economy 100 (CE100) network. The CE100 is composed of premier institutions from across Europe and the United States tasked with researching and developing innovations and solutions that encourage a more circular economy.

ASU launches free Sun Devil Rewards app



The fun and engaging Sun Devil Rewards app keeps score with pitchforks that can be redeemed for free prizes, everything from VIP tickets and golf packages to autographed memorabilia and exclusive tours of ASU landmarks.

Arizona State University recently announced the launch of Sun Devil Rewards, its new official loyalty program app. Sun Devil Rewards awards “pitchforks” to users who connect with the university via the app by playing trivia games, answering surveys and responding to polls; attending events; sharing news stories; connecting socially via Facebook, Twitter and Instagram; purchasing ASU merchandise online; and much more.

Unlike most rewards programs, which require purchases to obtain product discounts, Sun Devil Rewards keeps score with pitchforks that are earned simply by interacting with the app and redeemed for free prizes.

"This app is, pure and simple, a rewards program – the university's unique way of saying thanks to its family of 450,000-plus alumni around the world, its faculty, staff, students and everyone who is engaged with ASU," said Dan Dillon, the university's chief marketing officer. "There is no cost whatsoever, and pitchforks are earned easily, just by doing what Sun Devils normally do, which

is being a part of the fabric of ASU, following its progress and activities, and staying connected."

Pitchforks can be redeemed for unique ASU experiences, Sun Devil merchandise and sweepstakes opportunities. Among early rewards are VIP tickets and backstage passes to ASU Gammage events, golf packages, autographed memorabilia, and exclusive tours of such ASU landmarks as the world's largest university-based meteorite vault. Additional rewards and sweepstakes prizes will be added to the program catalog regularly.

When registering for the first time, users can immediately earn 250 pitchforks by tapping the “Secret Word” button on the app homepage and entering ASU-LAUNCHNEWS.

"This is our way of honoring alumni and all advocates of Arizona State University," said Dillon. "We have built an app that is inviting, engaging and rewarding for all."

Sun Devil Rewards is available at the Apple App or Google Play stores.



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 America R. Perez '14 B.S.
 Ronald Picono '68 B.S.
 Nicholas J. Pope '16 B.A.
 Johnathon Poppe '16 B.A.
 Dr. Harold W. Porter '52 B.A.E., '58 M.A.E.
 Anna M. Prakash-Ashton '98 Ph.D.
 Harry H. Rhodes '66 B.S., '73 J.D.
 Stevie R. Robinson '13 B.S.
 Alexander Roesler '16 B.S.
 David E. Rosenthal '83 B.S.
 Alexa M. Salari '16 B.A., '16 M.M.C.
 Logan P. Sauder '15 B.S.E.
 Justin C. Schram '16 B.S.E.
 Ryan J. Schrimpf '14 B.A.
 Kathleen Shane '88 B.S.
 Anita M. Shower '16 M.L.St.
 Edward Aaron Smith Jr. '03 B.I.S.
 Scott D. Smith '04 B.S., '07 M.S.T.C.
 Deborah L. Staats '89 B.A.
 Robert S. Stofflet '86 B.S.
 Danielle A. Sturdevant '16 B.S.
 William J. Tearney Jr. '15 B.L.S.
 Marsha D. Thomas '08 B.A.
 Nicholas B. Velasquez '08 B.I.S.
 Thomas A. Vyles '01 B.I.S.
 Jeffrey (Jiahui) Wan '02 M.S., '02 M.B.A.
 Martin L. Weber '97 B.S.
 Scott M. Weeks '95 M.E.P.
 Kayla Wheelwright '11 B.A.E.
 Mary Beth Wifler '97 B.S.
 Susan N. Williams '83 B.A.E., '97 M.Ed., '10 Ed.D.
 Junliang Wu '15 B.S.

On July 1, 2016, the ASU Alumni Association transitioned from a dues-based membership association to a giving-based organization with four distinct levels. Learn more about our new membership model at <https://alumni.asu.edu/upgrade>.

A Gold (formerly Gold Devil Life) membership costs \$950 individual/\$1050 Gold + One. Maroon (formerly Life) memberships are \$600 for an individual, and \$700 for Maroon + One. Become a life member at alumni.asu.edu, or by calling 1-800-ALUMNUS.

Splashdown

Coach Bob Bowman
poised to bring swim
team's excellence to
the surface

By Joe Healey



The credibility of ASU's swimming program already has been benefited from its association with American Olympic swimmer Michael Phelps.

To some, the desert may seem like an unlikely destination for one of the world's most prestigious swimming coaches, but second-year Sun Devil men's and women's swimming coach Bob Bowman melds his bond with the most star-studded swimmer in Olympic history to influence the future of the sport at ASU.

Bowman's coaching pedigree has delivered instant credibility to ASU's swimming program. He was head coach at the North Baltimore Aquatic Club (NBAC) from 1996-2005 and again from 2008-15 after spending 2005-08 as the head coach at the University of Michigan. He is a two-time Big Ten Conference Coach of the Year, a six-time USA Swimming Coach of the Year, and a 2010 inductee to the American Swimming Coaches Association (ASCA) Hall of Fame. Along with his individual accomplishments, Bowman brings his 20-year coaching association and personal mentorship of American swimming sensation Michael Phelps, whom he met while coaching at the NBAC.

When the coaching position at Arizona State emerged in April 2015, Bowman was intrigued by the chance to return to coaching at the university level.

"I missed being in the collegiate environment and working with the student-athletes," Bowman said. "It's such a great age in terms of the impact I can have on their lives. I missed feeling like a teacher."

ASU Vice President for University Athletics Ray Anderson describes Bowman as an icon in the sport of swimming, and one of the industry's most respected coaches – someone who can develop the Sun Devil swimming program to elite standing at conference, national and Olympic-level competitions. That level of

respect and admiration from Anderson and ASU President Michael M. Crow helped pique Bowman's interest to become head coach at Arizona State.

"A major factor in my decision is that I knew Ray Anderson is someone I could trust, and together we saw the great potential in this opportunity to rebuild the swimming program," said Bowman. "When this position came open, I did my homework on ASU and particularly Dr. Crow and the changes he's made university wide, and I'm completely on board with his philosophy of inclusion."

Year one for Bowman in Tempe exhibited several flashes of the promise that allured him to ASU as his Sun Devils broke more than a dozen school records, while six individual swimmers for the men's team qualified for the NCAA Championships after having just four qualifiers the previous eight years.

The team's performance also improved out of the pool under the tutelage of Bowman and longtime ASU head diving coach Mark Bradshaw, as 24 members earned Pac-12 Conference All-Academic honors for 2015-16, six more than the previous season.

"Being a part of this athletic department is a true pleasure because there is such a positive energy and there is so much support – and not just from the athletic department, but from the university as a whole," reflected Bowman. "People have been welcoming and supportive in ways that I could never have imagined. I absolutely love everything about living in Arizona."

This summer, three Sun Devil swimmers – Richard Bohus (Hungary), Anna Olasz (Hungary) and Katarina Simonovic (Serbia) – participated in the 2016 Summer Olympic Games, the only current Arizona State student-athletes from any sport to have competed this summer in Rio.

Bowman served as head coach of the United States men's swim team, helping guide the Americans to a spectacular collective effort, which included five gold medal victories by Phelps.

"There's no greater honor than representing your country in the Olympic Games," reflected Bowman. "It was very satisfying to be there and a real thrill to have performed as well as we did."

Following Phelps' thrilling run in Rio that upped his existing world record career tally to 23 Olympic gold medals,

the sports world was alerted of what had been discussed since Bowman's arrival to ASU – that after retirement from active competition, Phelps would join his mentor as a voluntary assistant at Arizona State.

Phelps already had made his presence felt during Bowman's first year at ASU by training on campus. He also participated in university life: he was spotted in Sun Devil Stadium cheering the Devils on the gridiron last fall, and made viral waves in early 2016 by joining the "Curtain of Distraction" in ASU's men's basketball 942 Crew student section. In all, Phelps and ASU

quickly became a perfect match.

"It would be hard for me to say my life could be any better than it is today, so I followed [Bowman] here and we decided to finish my career in the sun," Phelps told Mary Beth Faller of ASU Now. "I don't think I've been in a bad mood once since I've been here."

Though coaching is a brand new enterprise for the swimming superstar, Bowman believes Phelps, even in a part-time capacity, can positively influence the present and future of Sun Devil swimming.

"He will give us an energy that is unique and his presence here will lift



Bob Bowman's first year as ASU's swimming head coach was marked by flashes of promise, as Sun Devil swimmers broke more than a dozen school records.

everybody, which will not only help our current team, but in recruiting as well," said Bowman. "He will be used as a resource to help people improve and he will also be a great person to talk with about preparing mentally for competition, race strategies, and he can give some life lessons as well."

Together, the historic team of Bowman and Phelps hopes their legendary record in the pool will translate to national success at Arizona State.

"With the amount of knowledge that Bob and I have about this sport — and the amount of passion — the opportunities are endless for what can happen here," added Phelps. "With these college kids, I remember exactly when I was their age and what I was doing. Hopefully I can make them better swimmers and better people."

Bowman's presence as head coach and the addition of Phelps to the staff have made an impressive splash in the swimming community both local and international, including some of Arizona State swimming's most prestigious alumni. ASU Hall of Fame swimmer Cheryl Gibson, a four-time All-American, champion of six national titles during her Arizona State career and a silver medalist for her home country of Canada in the 1976 Summer Olympics expressed great excitement about the recent champs.

"There is no questioning the exceptional skills Bob Bowman has as a coach," stated, Gibson, who is now president of Swimming Canada. "ASU made a great decision by bringing in Bowman and his staff, and I can't wait to see the caliber of athletes they attract in the future and how they are able to help them develop while in the university system."

"Michael Phelps is a worldwide star," she continued. "He's going to have the respect of the swimmers because if anybody knows what it takes to be a champion, it's him."

Gibson's assessment matches that of ASU Hall of Famer Melissa Belote Ripley, who's now the swimming coach at Tempe's McClintock High School.

"Having Bob Bowman is a real feather in the cap for Arizona State, he's incredibly well known and well respected in the swimming community," said Belote Ripley, a four-time national champion, an All-American swimmer at Arizona State, and a two-time gold medalist in the 1972 Olympic Games. "The program has been energized to a level of excitement I haven't seen at ASU in a very, very long time."



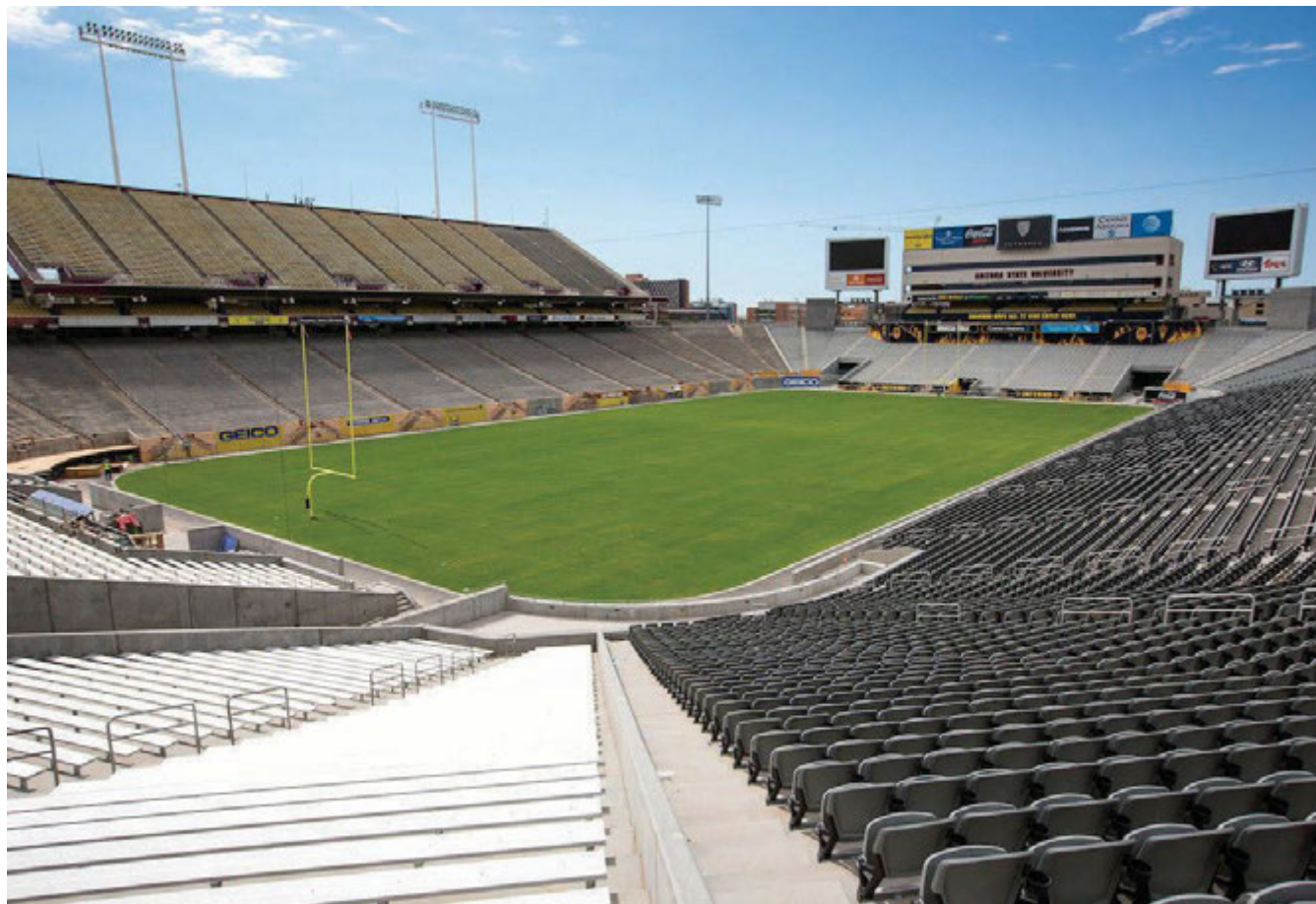
Alumna Cheryl Gibson, an Olympic swimmer who is now head of Swimming Canada, says ASU made a "great decision" in hiring Bowman.



Former Olympic swimmer Melissa Belote Ripley: "The program has been energized to a level of excitement I haven't seen at ASU in a very, very long time."

Green victory

Sun Devil Athletics wins USG NACDA Sustainability Award



ASU recently received the USG NACDA Sustainability Award for its work on the construction of the Weatherup Center and the reinvention of Sun Devil Stadium. The results of the stadium project are shown here during an August 2016 tour of the facility.

The National Association of Collegiate Directors of Athletics (NACDA) and USG Corporation announced Arizona State University as the winner of the 2016 USG NACDA Sustainability Award. ASU was chosen from a pool of three finalists and received the award for its work on Sun Devil Stadium and the Weatherup Center. The Sustainability Award was presented on Thursday, Nov. 10, at the award-winning facility Sun Devil Stadium, during ASU's football game against Utah.

The USG NACDA Sustainability Award was designed to recognize NACDA member institutions across all divisions, honoring athletics directors and their universities for incorporating sustainable practices and materials into their athletics facilities. Arizona State will receive \$30,000 in product from USG as the winner of the Sustainability Award.

The flagship facility for Sun Devil Athletics, Sun Devil Stadium recently completed Phase II of a multi-year phased renovation of the iconic football venue. Sun Devil Stadium is currently pending LEED certification and has a preliminary scorecard from the USGB to monitor its progress.

Sun Devil Athletics also made sustainability a priority in

its new construction and development. In the spring of 2009 Arizona State completed construction on the Weatherup Center, the home of its men's and women's basketball programs. The Weatherup Center also has the distinction of being the first athletic practice facility in the nation to become LEED-certified, earning v2+ Gold status. The facility used renewable maple wood flooring and a large portion of the construction on the building used recycled and locally manufactured materials. The solar panels installed on the roof of the Weatherup Center provide 45 percent of the building's energy and occupancy sensors and window shades help conserve energy.

"Arizona State embraces sustainability as a core value campus wide, and we're honored to receive the USG NACDA Sustainability Award, an award that recognizes ASU's commitment to promoting sustainable practices," Ray Anderson, ASU's vice president for university athletics and athletics director, said. "Athletics is a prominent component of the university and we are proud to leverage that exposure to advance ASU's key initiatives and promote sustainable change."

Sun Devil Club hires new director, launches membership campaign

Veteran fundraiser Scott Nelson has joined Arizona State University as the senior associate athletics director of Sun Devil Athletics and the ASU Foundation, and the executive director of the Sun Devil Club. Nelson comes to the Sun Devils with more than a decade of experience in collegiate athletics development and has made stops at UCLA, the Ohio State University and Oregon State University during his career.

"Scott stood out immediately to all of us from a group of very impressive candidates," Ray Anderson, vice president for university athletics and athletics director, said. "While he certainly has an impressive resume, it's his demeanor, character, maturity, and passion that made us so sure he would be the perfect fit for the culture we are building within Sun Devil Athletics."

Nelson will provide leadership for the Sun Devil Club and the ASU Foundation athletics development staff, and oversight of all fundraising initiatives within Sun Devil Athletics, including managing capital campaign projects, securing

major gifts, annual fund, letterwinners, and enhancing donor relationships. He also will work to deliver meaningful collaboration and communication with constituents across the community.

Prior to joining ASU, Nelson spent four years at Oregon State University, including most recently as the associate athletics director for development.

Nelson graduated from the University of California-Santa Barbara with a degree in political science and sports management, and earned a master's degree in intercollegiate athletic leadership at the University of Washington. He is a native of Colusa, Calif.

Around the same time that Nelson was hired, the Sun Devil Club, which is an independent nonprofit organization dedicated to advancing Sun Devil Athletics, launched its Fuel Our Future campaign. The campaign aims to highlight the holistic experience that Sun Devil Athletics offers to the 600-plus student-athletes who are competing in 26 NCAA varsity sports.

"Sun Devil Athletics ... represents all of the things we believe to be important for the growth of young men and women," said Rocky Harris, COO of Sun Devil Athletics. "It's a world-class educa-



Scott Nelson

tion and a welcoming community with ties around the world. A place where lifelong friendships are forged and real-world knowledge is gained from innovative leaders, role models are established, and dreams are passed on from one generation to the next. A journey that develops skills, and molds champions on the field, (helping them become) great spouses and parents, influencers in their respective professional fields, and civic leaders."

To learn more about the Sun Devil Club and its Fuel Our Future campaign, visit <http://sundevilclub.com/>.

A Gift That Gives Back

Receive monthly income for life when you establish a charitable gift annuity with the Arizona State University Foundation.



Benefits include:

- Valued support for ASU, an institution committed to helping all students succeed
- An income-tax charitable deduction in the year you make the gift
- A fixed income for life—a portion of which is tax-free for several years
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Interested?

Contact Tim Gartland at the ASU Foundation, tim.gartland@asu.edu or 480-965-2038.

ASU Foundation
ARIZONA STATE UNIVERSITY

sports updates

Always faithful

Staat selected for induction into USMC Sports Hall of Fame

Semper Fidelis.

The Latin term means "Always Faithful," the motto of the U.S. Marine Corps. It is used by former Marine and Arizona State football star Jeremy Staat at the close of his correspondences.

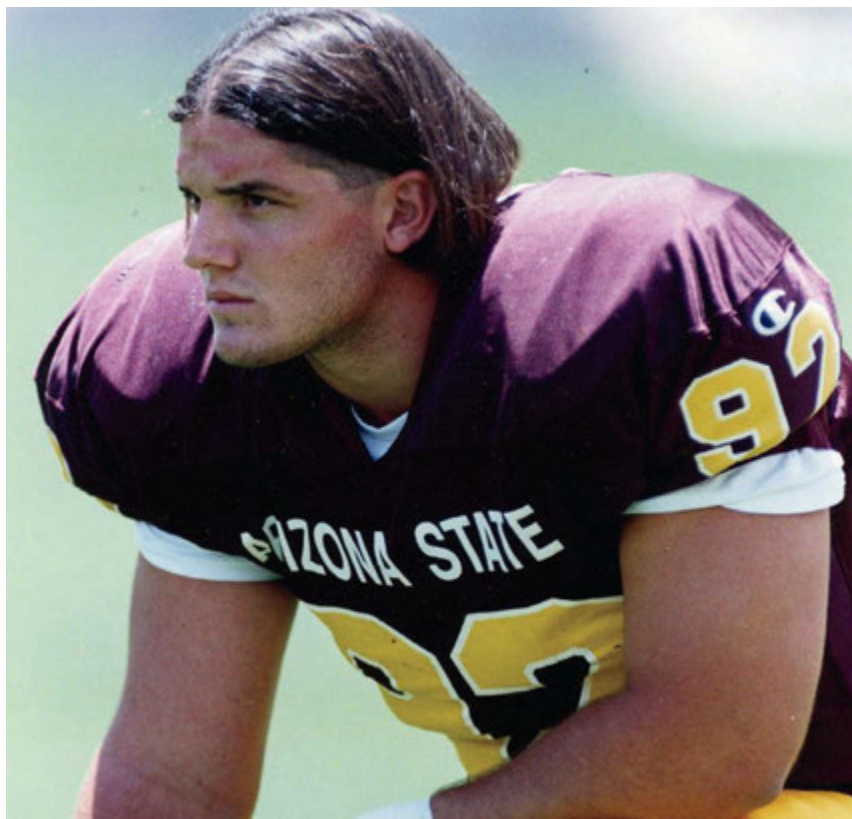
Staat and Tillman played for ASU's Rose Bowl team in 1996-97. Staat graduated from ASU in 2009, recently earned his master's degree in education from Liberty University and is planning to go for his doctorate at ASU.

The former Sun Devil defensive lineman joined the Marines in 2006, two years after former Sun Devil teammate Pat Tillman was killed in 2004 while on duty with the U.S. Army in Afghanistan. Now an assistant professor of welding at Bakersfield (Calif.) College, Staat makes it his mission to spread the word about veterans' issues. To further this mission, he created the Jeremy Staat Foundation, and in 2012, Staat and another veteran, Wesley Barrientos, went on a cross-country bike ride that lasted 100 days and covered more than 3,400 miles.

In recognition for his achievements on and off the field, Staat, who turned 40 in October, has been selected to be inducted into the USMC Sports Hall of Fame in 2019 in Triangle, Va. Previous inductees include baseball's Ted Williams, football's Art Donovan, Olympian Bob Mathias, boxer Ken Norton and golfer Lee Trevino.

Staat admitted that when he first got the call, "I never in a million years thought I would be considered for something like that. It is very humbling."

Staat says he often thinks about Tillman "and what he would have done with his life, as well as other service members I have lost. I think he (Pat) would have been proud of what I have done. ... life is precious. You have only one chance to live it, and that gives you the motivation to keep going."



Jeremy Staat was a member of ASU's 1997 Rose Bowl team.



Staat will be honored for his military service and his athletic accomplishments when he is inducted into the USMC Sports Hall of Fame in 2019.



Tennis player Alexandra Osborne

Net gain

Senior tennis player seeks to double her intensity

This past summer, Alexandra Osborne was excited to go back home to Sydney, Australia after an absence of two years. During that time, she had been busy establishing herself as a top tennis doubles player at her second home in Tempe with Arizona State.

After claiming the Pac-12 doubles title in 2015-16 with now-graduated (and fellow Australian) Ebony Panoho, Osborne is back for her senior season with a new challenge – trying to find a new doubles teammate who fits with her style of play.

Since ASU plays the bulk of its Pac-12 schedule in March and early April, Osborne had time during fall tournaments to find someone compatible, with input from her Sun Devil coaches.

“We will see what works,” Osborne said. “You get to know their (teammate’s) mind as well as their skills, and not over-think things.”

She describes herself as “an aggressive player who rushes the net. I am a left-hander, so that can put a little pressure on opponents because the ball has a different spin on it on serves, as opposed to a right-hander.”

Beyond life on the court, Osborne is looking forward to completing her degree in business management. She had a 23-unit schedule last spring and about 18 units this fall. She has earned several all-academic honors nationally and in the conference, something she is proud of.

“I am very diligent. I want to be as good in the classroom as I am in tennis,” she said.



ASU softball head coach Trisha Ford

Finishing strong

New softball coach brings details, discipline to the forefront

If Trisha Ford can have as much success as Arizona State’s new softball coach as she did in four seasons at Fresno State, the Sun Devils should be in good shape.

Ford, hired in June to replace interim coaches Robert Wagner and Letty Olivarez, was 142-71-1 at Fresno State and was the Mountain West Conference Coach of the Year in 2015 and 2016.

She refers to herself as a “big disciplinarian.”

“There have to be standards. It’s how we want to do things, from how we take the field, to how we practice, how we lift weights and how we do in the classroom,” she explained.

Included in that approach will be how the Sun Devils finish games. She did some research and noticed that ASU lost too many games in the seventh inning last season, when the team finished 32-26.

“It’s about paying attention to details,” she said.

At the age of 38 and married with two children, Ford cannot identify as much with the life passages of her players as she once could, but will have younger assistants to help balance that out.

“I think I’m probably looked at more as a “mom figure,”” she said. “My job is to get the most out of the players. There will be days when they love me and days when they don’t. That’s just a part of Parenting 101.”



Nearly 100 ASU students are part of the Devil DanceSport club.

Staying in step

Devil DanceSport takes the competitive spirit into the ballroom

For close to 100 Arizona State students and an occasional alumni or staff member, gliding across the dance floor is both a competitive and social experience.

It's a part of participating in Devil DanceSport, an ASU club that calls the Sun Devil Fitness Complex its home.

"It's a very good activity. People enjoy being a part of the community. This is my fourth year, and I have made many friends," said Jessica Lacy, the club president for 2016-17 who is pursuing a master's degree in architecture.

There are about six competitive events per school year, with dancers competing at various skill levels. Lacy said that many people come into the club with no experience. There are lessons to help beginners learn the process, and practices usually are on Friday nights. And participating students refine their skills with practices during the summer.

Dancers get in step with five kinds of ballroom routines, including dances with a Latin flavor as well as other types. Lacy said some members of the group choose to specialize in a certain dance, while others prefer to be well rounded.

ASU competes against other college teams, with events on campus and at other locations, such as Las Vegas and California, Lacy said.

Sports updates are written by Don Ketchum, a freelance sports-writer based in Tempe.



Devil DanceSport members compete in six events per year.



J U S T

G E T T I N G

S T A R T E D

ASU PRINCIPLES IGNITE TECH STARTUPS IN THE VALLEY

BY CHRISTOPHER VAUGHAN

When Todd Hardy thinks about the many tech startup projects that have passed before him in his role as ASU senior economic development advisor of Knowledge Enterprise Development (KED), a few are particularly memorable. One of those utilizes technology that uses specially designed LED lighting equipment to treat babies with neonatal jaundice, a condition that affects 60 percent of newborns. Neonatal jaundice often clears up on its own, but about 2,000 babies around the world die each day because they can't get the light therapy they need.

A couple of ASU graduates and an ASU student identified that need and designed equipment that provides the right wavelengths of light to the newborns and that can operate without the need for strong, steady power supplies that are all too rare in developing countries. The trio won support for the project through the Edson Student Entrepreneur Initiative and worked on it in office space at ASU's SkySong innovation center. Their company, NeoLight, is now an established business, creating those devices they originally envisioned to treat jaundice, and now crafting a new device to treat neonatal hypothermia.

For Hardy, the NeoLight experience is a great example of how the fertile ground of ASU is sprouting tech innovations and entrepreneurship with effects that ripple out to change the lives of those in the Phoenix community and around the world. "There are a few home-grown startups that we are particularly proud of, and that's one," he says.

There is a tech startup boom happening in the Valley of the Sun. While established successes like GoDaddy have blazed a trail, an army of new startups – many of which in the beginning consist of only brilliant ideas and optimism – are attracting attention, financial backing and workers. It's a development that ASU can't claim full responsibility for, but it's one that the university has been helping foster for more than a dozen years, and now the fruits of those efforts are sprouting all over the university's campuses and throughout the Valley.

As director of the Fulton Engineering Startup Center at the Ira Fulton Schools of Engineering and the executive director of venture development at ASU Entrepreneurship + Innovation, Brent Sebold is in a good position to watch the explosion of tech startups and identify the reasons that ASU has been an integral part of the process. For one thing, he says, the university's DNA was engineered to be that way. "Dating back to 2002, valuing entrepreneurship has been one of the university's design aspirations," he says. "It's unusual for a university to have that in its charter."

And unlike other universities, valuing entrepreneurship wasn't just meant to live in the business school, he says. "That value is meant to be held in all departments across the whole university, including history and poetry and education."



Entrepreneurialism is high on the list of university values, Sebold explains, because although it's great to come up with new ideas and discoveries, if you want to change the world, you have to get people to truly value your innovations. "The marketplace is a powerful tool for creating change and betterment," he says.

As with other ASU efforts, all the design aspirations act in support of each other so that entrepreneurial efforts in technology are often interdisciplinary, socially embedded, engage people globally and leverage the unique qualities of Arizona and the Phoenix area. Entrepreneurialism isn't restricted to one discipline because it is a mindset that translates horizontally across all

Todd Hardy, senior economic development advisor, Office of Knowledge Enterprise Development

disciplines, Sebold says.

For Sebold, the university is on a mission to teach everyone associated with ASU an entrepreneurial mindset, but that doesn't mean that the university expects everyone to do the same things. "We kind of make a sports analogy. At ASU, we give students an opportunity to appreciate athletics, and in the same way we give them an opportunity to appreciate entrepreneurship," Sebold says. "We give everyone an opportunity to be involved in entrepreneurship in some way, just like we give people the

opportunity to be involved in athletics at the club, intramural, JV, varsity or even professional levels.”

Teaching ASU students that mindset means encouraging them to work in interdisciplinary teams. It also means helping them to interact with those who have been there before — the business leaders and established entrepreneurs who have tried, failed and succeeded in the world beyond the classroom.

“From an educational standpoint, one of our main efforts have been to create an open-source movement for best practices,” Sebold says. “We have asked top A-listers to show young entrepreneurs how to do things the right way straight out of the gate, and they have been very open to doing that.”

That openness is part of what makes the Phoenix area special, says Christie Kerner, who is director of the Center for Entrepreneurship at the W. P. Carey School of Business and is also executive director of student entrepreneurship at ASU Entrepreneurship + Innovation. “Entrepreneurship can be a lonely journey—it’s not easy to build something,” she says. “Having access to people and information is a strength here in Phoenix. Our entrepreneurs are very open to sharing.”

Lawdan Shojaee ’04 B.S. would agree. Shojaee is CEO of Axosoft, a Scottsdale company that sells a system to help software developers collaborate on a project and to integrate their code and catch errors. “Being an entrepreneur creates a huge influx of emotions,” she says. “You have to have a strong stomach and hold strongly to your ideas, but also be able to recognize when something is not working or the time is not right for a particular idea and be able to back off.”

Shojaee thinks that entrepreneurship can be taught, but it requires the kind of experienced mentors that Sebold is talking about. “Academia needs to be supplemented by mentorship, it needs leaders in the field who can pass on wisdom that academia can’t.”

A major part of Todd Hardy’s job is to foster that sharing and collaboration. As head of economic development at SkySong, the ASU Scottsdale Innovation Center, Hardy is a sort of business development impresario. He represents Arizona State University in economic development organizations throughout the state.

“My role is to bring companies to the Valley, help them grow and help connect the university to companies that are strategically important,” Hardy says.

SkySong provides more examples of the ways in which ASU goes a step beyond other universities in promoting that entrepreneurial mindset and collaboration, Hardy says. It offers everyone — students, faculty or the citizens of greater Phoenix — office space and facilities to incubate ideas and build businesses. At full build-out, SkySong will be 1.2 million square feet of space with a 325 apartments, restaurants and a hotel/conference center.

“What we are building is a community of companies,” Hardy says. “We have every type of company, from a room with two people to established businesses that take up entire floors.”

Ji Mi Choi, the associate vice president of strategic partnerships and programs who oversees entrepreneurship programs at the university, recently came on board at OKED to lead what she describes as “entrepreneurship 3.0.”

“Entrepreneurship 1.0 was about showing that there was an appetite for this, about finding a way to draw out faculty,” she says. “2.0 was about creating a university-wide perspective. Now with Entrepreneurship 3.0, we can connect programs



and faculty to each other. It’s more about the relevance of the university as a whole to each other and to the outside world and the community setting.”

ASU now offers a multitude of opportunities for those interested in pursuing their startup dreams, Choi points out. For instance, in addition to the Edson Entrepreneur Initiative for students, there is the ASU Startup Accelerator for community-based entrepreneurs, which offers access to mentors, collaborative workspace, and the chance to pitch an idea to private equity investors. There is the Startup School, where budding entrepreneurs can learn the ABCs of business innovation. The Sun Devil Igniter Challenge gives students the opportunity to win \$50,000 to help bring their great idea to life. There is the Fulton Startup Center’s eSeed Challenge, a competition

funded by engineering alumnus Tom Prescott, in which students get money at each stage of the competition to help validate or refine their ideas. There are also competitions like the Innovation Challenge and programs that have a specialized focus on community college students or on women in technology.

Choi sees one of her roles moving forward as focusing on creating the tools that allows students and faculty to sort through all these programs in order to find the right ones and connect with collaborators. Choi's team is building out the web portal entrepreneurship.asu.edu, which gives students and others information about available courses and programs at ASU. "We are an aggregator of opportunities across ASU and the greater Phoenix valley," she says. "We provide the tools to do that."

One important tool that sets ASU apart from most other universities in the nation is Arizona Technology Enterprises (AzTE), an intellectual property organization situated at SkySong. While most universities and organizations have an in-house office that handles intellectual property and licensing, ASU has set up AzTE as a separate business that only handles ASU intellectual property cases. As an independent corporation under the direction of CEO Augustine Cheng, AzTE can act more quickly and more flexibly to work out the intellectual property issues that can bedevil new entrepreneurs.

Choi's personal experience gives her valuable perspective about the unique assets that ASU brings to tech development compared to more established tech areas like Silicon Valley. Choi was part of a tech startup in New York's "Silicon Alley" during the late 1990s and helped take it public. She also worked on entrepreneurship issues at both New York University and Columbia University in the 1990s and early 2000s. In the late 2000s, her work with NYU led to involvement with the New York Economic Development Corp. and the development of a startup incubator for the New York City area.

These experiences have shown Choi that it would be a mistake to try to recreate the Valley of the Sun in the image of Silicon Valley. "We can't recreate the par-

ticular historical, demographic, economic conditions that made Silicon Valley what it is today," she says. "We can't go back in time and recreate those things here." What she sees is unique qualities that are positive factors favoring tech development in the Phoenix area.

"One of the things I appreciate about the greater Phoenix area is that because we don't have a legacy to defend, we have a tradition of making things up as we go," she says.

Choi sees other qualities particular to ASU that make the university a good place for tech development and entrepreneurship. "I don't know that what ASU does could happen in New York because I think they may not have the same appetite for the hands-on approach that ASU takes to economic development."

"Our role is to support entrepre-

neurship, yes, but also to work with the community as a convener, organizer and contributor. ASU is far more embedded in the community than other institutes of higher education," she says.

That engagement with community and dedication to inclusiveness in all areas of education seems to be a critical ingredient in the recipe that is making the Phoenix area a tech Mecca that is a powerhouse in its own unique way, different from Palo Alto or Boston or New York. One strong proponent of this idea is Brittney Cunningham '06 B.S., '09 M.S.T.C., who has been an instructor in computer classes at ASU and was the managing director of the Phoenix group Girls in Tech. "

"This mission to take what you have learned and pay it forward is a really important part of ASU," she says. "It makes you more thoughtful and innovative



Opposite top: Brent Sebold
Opposite bottom: Christie Kerner
Right: Ji Mi Choi

when you are working with other people. The diversity that ASU champions is an important part of that. It is extraordinary to take people from all walks of life and say, 'you have this potential.'"

Cunningham's personal story embodies that experience. As a single mother, she was attracted to ASU's online coursework because it gave her the "open door" she needed to study while also working and taking care of her child. Her degree was in justice studies, but she became technologically savvy enough to teach web development. After earning her master's degree in technical and scientific communication, Cunningham taught web development to disadvantaged people in rural Ohio.

"Most of them were women and girls who all thought that they would be doing design, but I showed them they could do the technical part," she said.

That experience led her to contact the national head of Girls in Tech and to form a Phoenix chapter when she returned to teach at Phoenix College and ASU. In no small part because of Cunningham's efforts, the national Girls in Tech organization held its annual Catalyst conference in Phoenix in 2015.

Cunningham's experience with online learning also allowed her to spot areas where the experience and effectiveness of online courses could be improved, and she began working on creating better ways of teaching and learning online. "Ultimately the goal was to innovate learning to create online learning communities that were engaging and fun, and also produced even better outcomes than face-to-face learning," she says. "I began to see the possibilities of a global, scalable system."

When she became director of online education for the national Girls in Tech, Cunningham taught girls around the world. "The goal was to engage those girls and teach them web development, but also to show them that they were not that different from each other," she says. "To this day I'm contacted by some of those girls because they developed such great peer bonds." Since then, she has studied for a second master's degree from ASU in global technology and development, and recently was recruited to be an instructional designer at Facebook.

Every day, Cunningham sees evidence supporting ASU's ideal that entrepreneurialism, inclusiveness, interdisciplin-

ary communication and global action all reinforce each other. "Ultimately, entrepreneurialism is about solving a problem or fulfilling a need, even if it is a need that people don't know they have," she says. "To do that, you need an open mind and an innovating spirit. ASU fosters a spirit where students feel comfortable and are invigorated about innovating on their projects, and are pushed to think about community and the world at large.

"I believe that diversity is a key component for innovation, and innovation is a key component for entrepreneurship," Cunningham says.

It is also an ASU ideal that resonates throughout its campuses and radiates out into the people who are starting more and more tech companies locally, but hope to improve lives globally.

"I truly believe in my heart that tech entrepreneurialism is a vehicle that will deliver us to a utopia rather than a dystopia," says Brent Sebold. "Entrepreneurialism in its purest form is creating a business or technology that has the ability to impact millions, if not billions, of people for the better."

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



Top: Lawdan Shojae
Bottom: Brittney Cunningham

5 Sun Devil Alumni Network Advantages



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WALKING THE WALK

Devils' Advocates have showcased ASU campuses for 50 years

Spring 2000

DEVILS' ADVOCATES



For half a century now, tens of thousands of students, parents and visitors have received their first glimpse of ASU campuses courtesy of a Devils' Advocate. Founded specifically to function as a student-centered recruiting tool, the group has blossomed over the past five decades into one of the most recognizable and prestigious student organizations on campus, responsible for providing a positive and crucially important first impression for Arizona State University. It's currently the oldest continually functioning student organization at the university.

Devils' Advocates was founded by students in the spring of 1966 and later became a partnership between the ASU Alumni Association and the Admissions Office. The Advocates conduct campus tours (and in the past also visited Arizona high schools and traveled on out-of-state recruiting trips), sharing their own experiences as ASU students to provide a personal and relatable connection as students-to-be prepare for the biggest decisions of their young lives.

"I really just tell people about my experience. Being a senior, I've seen a lot at ASU, I've done a lot at ASU and I just tell them why ASU is a good fit for me," says Katie Troupe, the current Devils' Advocates president.

Impressed with the tour she received and how it helped her decide on ASU, Troupe joined the group as a freshman.

"We're proud to say we've been around for 50 years and it's just incredible that ASU is passionate about having students lead the tours," she says. "Like any organization, Devils' Advocates has gone through changes over the years. When we present information sessions, we show a picture show a picture of one of the first groups of Devils' Advocates and they're wearing white polo shirts with sunbursts, just like we are."

Above: Katie Troupe



It takes a student to find a student

Like the shirts, remarkably little else has changed since Devils' Advocates began.

"Often how successful you are depends on the way you start things and we set it off in the right direction," says Nadia K. McConnell '68 B.A., one of the group's founding members and first president, who graduated in 1968 and now works in Washington, D.C. as president of the U.S.-Ukraine Foundation.

Out of conversations about improving student recruiting in the late spring of 1966, student body president Robert McConnell came up with the idea to use alumni to help identify top Arizona high school students, like National Merit honorees, and establish a group of current students trained as hosts to introduce them to the campus. The group's founding advisors were Trudy Thomas, director of the Memorial Union and Professor Nick Salerno '57 B.A.E., '59 M.A.

Searching beyond the student government officers – who were specifically excluded – to find Devils' Advocates who could represent the full breadth of ASU was one of the founders' crucial first decisions.

"The idea was to reach into the various colleges and find people who were top in those various fields and recruit them to be Devils' Advocates and in turn they would be the best ones to talk to prospective students who were interested in whatever department," she says. "We were really reaching and finding those stars in these various fields who were doing their thing but not necessarily participating in broader campus activities. They were special in their work and their field and bringing them all together and creating networks between the various colleges was exciting."

What's most impressive to McConnell about this milestone for Devils' Advocates is how the organization has retained the core elements of its strategic, comprehensive and personal approach.

"The fact that Devils' Advocates is still that important in promoting the university is a credit to those leaders of Devils' Advocates over the decades that successfully responded to the needs of ASU as it has grown and developed," she says. "Many organizations are founded to meet a specific need but not all manage to remain as relevant as they were at their inception."



Walking, talking role models

Bob Francis '69 B.A.E., '73 M.A.E., who served as an advisor of the Devils' Advocates from 1971 to 1995, says the tours went from almost being one on one to dozens of guests per tour during his tenure. The growth of the university itself is proof the Devils' Advocates were effective in attracting new students, he says.

"Instead of calling them tour guides, I would call them role models," Francis said. "Parents look at them and say 'Wow, these are outstanding people.' Students look at them as strong leaders with positive personalities."

Francis says one of the greatest honors of his life came when Devils' Advocates named its scholarship in his honor. He's stayed in touch with many of the former Devils' Advocates he advised, receiving Christmas cards, wedding invitations, birth announcements and, increasingly, graduation announcements of their own children.

"It's an organization that became an attractive network for students who were very ambitious or had higher goals. It wasn't uncommon for the leaders of other student organizations to be part of Devils' Advocates because they'd already in some ways become leaders. They were highly motivated, highly disciplined, very personable people with excellent communication skills," Francis said. "You have people today who are CEOs of major companies, and judges and attorneys, good business people, people with excellent families. They were very confident in themselves and knew where they were going and how to get there."

Kathleen Duffy Ybarra '81 B.A., past chair of the ASU Alumni Association board of directors and president/CEO of Duffy Group, Inc., an executive recruiting firm, served as Devils' Advocates president during her senior year. Her involvement with the group ultimately led her to her life's work, she said.



Opposite left: Nadia K. McConnell
Opposite right: Bob Francis
Upper right: Kathleen Duffy Ybarra
Lower right: Chad Kolodisner

"I just remember the joy of parents being able to talk to a student and calm some of their nerves. There would be some parents who'd reach out to me after their child came there, if they needed some help and needed a friendly face," she says. "Being a member of Devils' Advocates was pivotal in helping me determine what I wanted to do in my career. Devils' Advocates is all about recruiting the best for the university and for the last 25 years, I've had my own executive recruiting firm. Being a Devils' Advocate really spawned that passion for me, which led me to do what I do for a living."

Chad Kolodisner '91 B.S., now executive vice president of the private investment real estate company Diamond Ventures in Tucson, was drawn to Devils' Advocates his freshman year by what he saw as a simple alignment between the group and those successful students he met. By the time he graduated, Kolodisner says he gave "too many tours to count."

"I loved giving the tours, so I did it a lot and even gave tours over summers," he says. "I always wanted to make the



students feel like college is fun. I wanted them to have that feeling about coming into school, that it wasn't going to be intimidating."

Alumna Hope Larsen went from a graduating high school class of 44 people in Duncan, Ariz., to a university system with an enrollment of about 47,000 students at the time, and says her positive experience started with her Devils' Advocate tour.

"I was really interested in the group for its traditions and camaraderie and loyalty to the school and I loved getting to show others, parents and students, the school I had come to know," she says. "I felt like I was very connected and it was my campus and my college experience and getting to share that with parents and students from across the country was really great."

Larsen, a 1999 graduate who is the current vice president of the Alumni Association's Devils' Advocates alumni chapter, says it's no surprise that, Devils' Advocates are often among the more



active ASU alumni. Homecoming is the group's signature event, but there are a number of other different activities throughout the year.

"In our spring mentor dinner, alumni will be coming back to talk to current Advocates," she says. "They're enthusiastic, passionate and charismatic. It's amazing to see that many of the personalities stayed the same even though the people changed."



How Sun Devils join the tour

Currently selection for new Devils' Advocates occurs every semester, with a three-round interview process. Round one is similar to speed dating, where candidates field questions from current Advocates in a round-robin, one-on-one setting. Round two consists of more formal group interviews, and by round three, would-be Advocates are finally conducting an on-stage session in front of an audience. Those selected then attend training and go on at least four shadow tours, with the new Advocate progressing in responsibility until they're ready to lead their own tours. And while they're prepared with facts and figures, the tours focus more on the individual Advocates than the campus map.

"We give them a tour outline that has all the information you could ever want on any building on campus, but when people come to take a tour, they don't care what year a building was built. They care about the experience

of ASU students," Troupe says. "It's about your individual experience, so that makes every tour unique and different."

The group currently has more than 100 members, with its ranks fluctuating somewhat semester by semester. Advocates are required to lead two tours a month, though many conduct more, and can take a leave of absence for one semester to focus on particularly difficult class loads.

Turning it all around

For all the emphasis on tradition and continuity, the Devils' Advocates have begun their 51st year with a major change in behavior – instead of walking backwards in front and facing the group, the guides will walk alongside the tour groups, facing the same direction when the group is in motion. They now turn to face the group only when stopped. The "pause and present" method helps the prospective students retain more of the information, Troupe says.

"Everyone was a little hesitant and

Hope Larsen

wary because we've been walking backwards for 50 years and that's what we're known for," she says. "But all our summer tour guides said our guests absolutely love it because they get more time to absorb the campus and look around rather than get bombarded with information. Because so much of the information is on the ASU websites, we're really now trying to give them more of a student perspective and our specific Sun Devil stories."

To learn more about going on a walking tour of one of ASU's campuses, visit <https://visit.asu.edu/>.

If you're a former Devils' Advocate and you'd like to connect with the organization's ASU Alumni Association chapter, visit <https://alumni.asu.edu/chapters/devils-advocates>.

Eric Swedlund is a freelance writer based in Prescott, Ariz.



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#1 ASU #2 Stanford #3 MIT

– U.S. News & World Report, 2016 and 2017

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Second Life, first lesson

Art education professor uses virtual environment to facilitate learning

By Oriana Parker



Mary Stokrocki is a professor of art education in the School of Art within the Herberger Institute for Design and the Arts.

Some experts prognosticated that 2016 would be the year that virtual reality (VR) took off on a consumer level, with the market for hardware, networks, software and content reaching \$200 billion by 2020. Bundled inside the vast array of burgeoning virtual applications are some powerful tools for learning – a fact that has been a great source of inspiration for Mary Stokrocki, a professor of art education in the School of Art within ASU’s Herberger Institute for Design and the Arts.

“You can open a book and look at a picture of an artistic masterpiece or, in a virtual world, you can soar inside a 3-D version and become part of it,” she explained.

Stokrocki has utilized this aspect of virtual reality in her teaching by using Second Life, a free user-created 3-D virtual world, as platform for her undergraduate and graduate classes.

Stokrocki likes Second Life, which was created in 2003 by San Francisco’s Linden Laboratory, as a portal into VR because it is easily accessed via a desktop computer, and doesn’t need any sort of specialized appliance to interact with it. With the help of Second Life, her ASU students, as well as other teachers and senior citizens who have taken classes from her, are able to enjoy immersive virtual environments that encompass thousands of transformative experiences and events.

Spending time in virtual worlds such as Second Life have practical as well as educational benefits for students, she asserted.

"Students can communicate with artists and art centers around the world and explore textures and spatial design instantly," she said. "And they can build sculptures or architecture in Second Life that can be created in real life using a 3-D printer."

Another activity that arts-oriented users can attempt in Second Life is the creation of machinima videos, which use the program's graphics engines to assemble an animated production.

Virtual diversity reflects real-life variety

In many ways, Stokrocki's forays into virtual reality and the opportunity it represents to expand the frontiers of art education is a reflection of her commitment to explore the unique artistic treasures found in the real world.

Prior to the digital era, Stokrocki's research and teaching included work with the Yaqui, Pima/Maricopa, Ak-Chin, Apache and Navajo native tribes. As she added virtual reality to her modes of instruction, she authored a book on the topic – "Exploration in Virtual Worlds: New Multi-Media Literacy Investigations for Art Education" – and conducted qualitative research in international locations such as Holland, Turkey, Brazil, Poland and Taiwan.

As she accumulated numerous honors for her work in the field, even the field itself has grown more digital. In 2010, the professor was elected vice president of the International Art Education Association, a virtual world association that meets monthly to plan Second Life events throughout the nation.

Climbing aboard the "Art Ark"

Stokrocki encourages her students to explore art destinations in Second Life that range from the Vordun Museum and Gallery, where visitors can enjoy a virtual world experience of being at the museum, as well as to join a group called Galeria Mexico, where visitors can view the work of artists from the United States and Canada as well as Mexico, Argentina, Chile, Uruguay and other Latin American countries.

The Art Ark, a site created by Stokrocki, is used as a teaching platform for her ASU undergraduate class. After an introductory in-person class gathering, Stokrocki and her students meet online once a week.

"I formulate my teaching as a series of art quests, which serves to grab the interest of the class," Stokrocki said. "I start with the Ark's Turkish Oriental rug, where students are encouraged to describe, analyze, interpret and judge its importance while searching for its treasures." She reports that the spirit of camaraderie fostered by Second Life – where users can chat with fellow students and friends using voice or text – combines with the sense of adventure encouraged by a quest approach to boost the students' level of enthusiasm.

The quest motif also is encouraged in Stokrocki's graduate class called Digital Ethnography in Virtual Worlds. Amy Pate, an instructional designer and adjunct faculty member in ASU's School of Life Sciences, said that the course connected digital art and science in a new way for her. Pate says that a course assignment in which she interviewed three Second Life artists encouraged her to reconsider how she viewed art education.

"Transporting to the artist's world to talk via chats, emails,



Professor Stokrocki's avatar is an example of how a virtual reality participant can express his or her digital persona in a unique way.

and voice was somewhat of a mind-blowing experience," Pate said. "Often the artists were continually moving, showing me objects in Second Life, or building objects with me."

Pate said her experience with Second Life illustrated the platform's potential to encourage people to think about art and education differently – and that is something that could impact Pate's teaching in the sciences.

"I would hope to encourage students to expand their global view, and learn about opportunities to teach science with this digital world," she says.

Expressing the self through one's avatar

One of the keys for students learning in Stokrocki's classes is their digital avatar. Second Life describes an avatar on its website as, "the digital persona you create and customize. It's you in the virtual world – whoever you want to be."

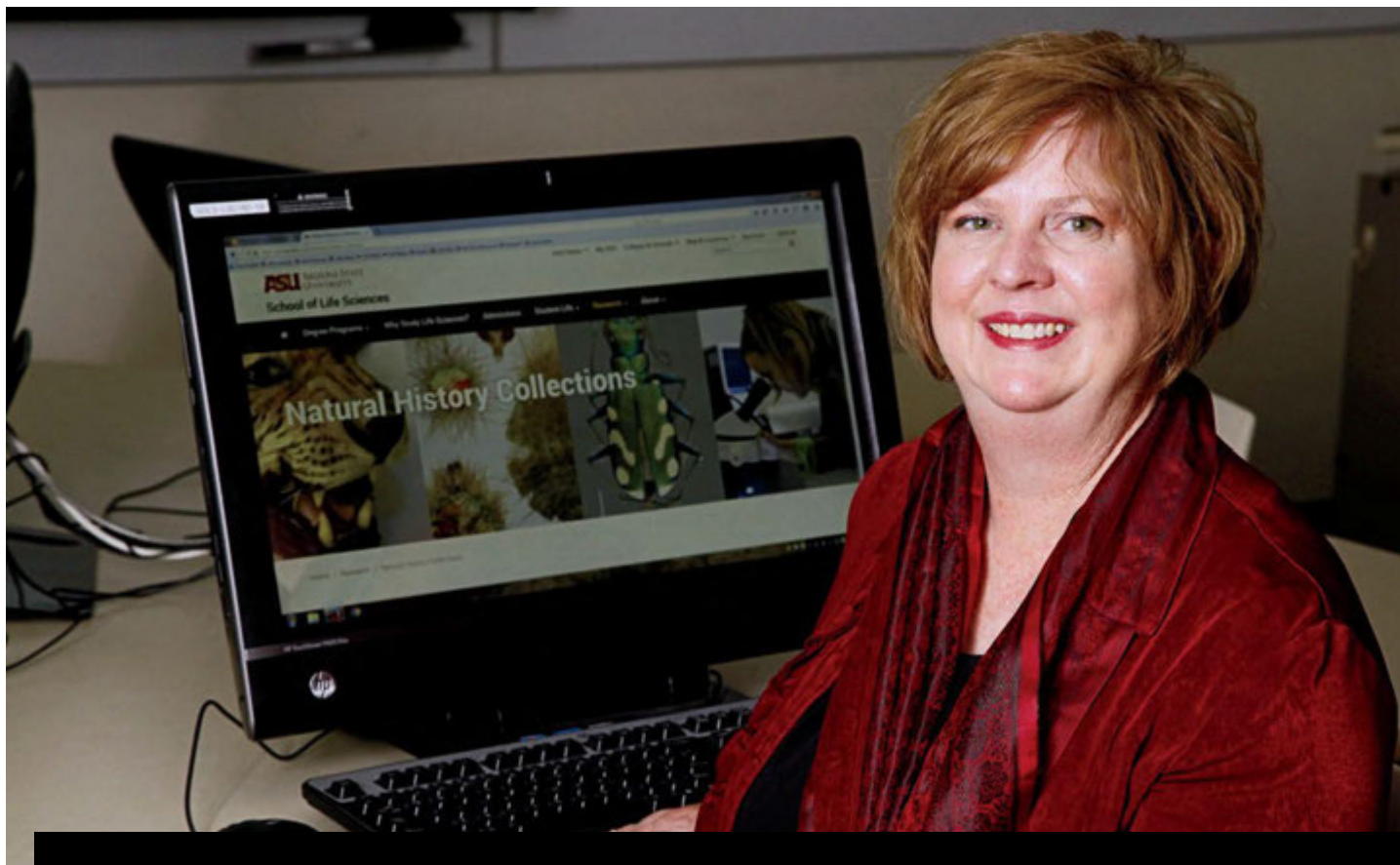
Avatars can be assembled from a wide spectrum of physical characteristics, as well as costumes, and can represent a creative exploration of one's identity.

"Using avatars can transform students and free them to open their minds about themselves," Stokrocki said. At first, students hesitate. But then they're fearless."

Nor is this enthusiasm confined to ASU students. It seems senior citizens that Stokrocki instructs also intensely enjoy creating avatars.

"In real life, (they may have) no hair. In Second Life, hair. Tattoos up and down their avatar bodies," Stokrocki chuckled.

The avatar Sunny, created by John Kinder, a retired ATT



Amy Pate called her Digital Ethnography in Virtual Worlds graduate class a “mind-blowing experience.”

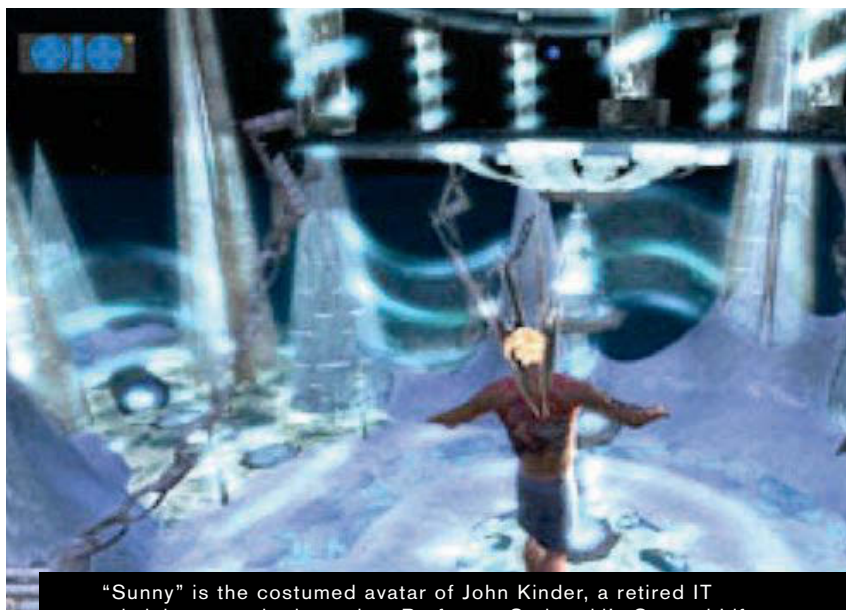
Systems Administrator for Unix, appears in the professor’s latest book. The caption reads, “Suspended in time, Sunny visits the Alpha and Omega – a quadrillion light years away.” A Second Life user for several years, Kinder has great fun designing changes of apparel for his character. “I create different costumes for Sunny to celebrate the holidays; Christmas, Easter, St. Patrick’s Day, etc. However, wings remain a standard feature,” he reported.

Teaching them to see

Of course, in all of Stokrocki’s VR classes, as with her in-person courses, some fundamentals remain the same. Students learn to search out the masterpieces in the virtual world, like treasures, she said.

“At first they don’t know what they’re looking for. Our job is to teach them to see.”

Oriana Parker is a freelance arts writer based in Phoenix.



“Sunny” is the costumed avatar of John Kinder, a retired IT administrator who has taken Professor Stokrocki’s Second Life classes for senior citizens.

just published

2000s

Brandon Teskey '07 B.A. announced the release by Amazon CreateSpace of his novel, "Insurrection: An Epic Novel about the Maccabean Revolt."

Kelly Houle '05 M.F.A., artist, teacher, writer and founder of a private press named Books of Kell's, is at work on a massive project that integrates history, art and science in the creation of an illuminated manuscript. Preliminary work on this project, *The Illuminated Origin of Species*, was initiated in 2009. The anticipated completion date is February 2019, at which point Houle will have fully illuminated Charles Darwin's "The Origin of Species" using traditional calligraphy and painting and scientifically accurate illustrations. When completed, the work will join the very small group of illuminated manuscripts created from science-based texts. Funded initially by a Kickstarter campaign, the work's ongoing support is from donations and purchases of works produced by Books of Kell's. Twenty-six, full-size reproductions of the work will be created.

R. Dean Johnson '03 M.F.A., associate professor at Eastern Kentucky University, announced the release by Plume of his coming of age novel, "Californium," that follows the transitions of a 14-year-old boy when his family relocates from New Jersey in 1982 to Yorba Linda, Calif.

Emily Brett '01 B.S.N., '06 M.S., an adult nurse practitioner, announced the release by BookSparks of her novel, "Found," about an ICU nurse who confronts repeated near-death accidents as she accepts assignments and travels internationally.

1990s

Craig Albers '99 M.Ed., '02 Ph.D., associate professor of education psychology at the University of Wisconsin-Madison, announced the release by Guilford Press of his book (with Rebecca S. Martinez), "Promoting Academic Success with English Language Learners: Best Practices for RTI."

Kimberly H. Finder '95 B.S.W., '97 M.Ed. announced the release of her first novel, "Don't Judge a Girl by Her Mother," about a connection between words, prescription drugs and the power of both to wound or heal.

Scott M. Powers '95 B.A.E.S.E., associate professor of French at the University of Mary Washington in Fredericksburg, Va., announced the release by Purdue University Press of his book, "Confronting Evil: The Psychology of Secularization in Modern French Literature."

Rebecca D. Bruner '90 B.A., an author and speaker, announced the release by Amazon CreateSpace of her book, "A Wife of Valor: Your Strategic Importance in God's Battle Plan."

1980s

Curtis Manley '86 M.S., '94 Ph.D. announced the release by Simon and Schuster of his debut children's picture book, "The Summer Nick Taught His Cats to Read," in which a young boy discovers that sometimes just the right book is required to fall in love with reading.

♦ **Vince Ferraro '82 M.B.A.**, board advisor for the San Diego State University College of Business, lecturer and senior business executive, announced the release by Abundant Press, of his book, "Brand to Sell Masterplan," that provides a blueprint for his successful branding system.

Natasha Lazutin Wing '82 B.S. announced the release by Grosset and Dunlap of three new books in her *Night Before* series for children: "The Night Before Class Picture Day," "The Night Before the New Pet," and "The Night Before Snow Day." A fourth book, "Fresh Snow!" was released by Wing Books.

Rae Ann Kumelos '80 B.S. announced the release by Rio Nuevo Publishers of her book, "Wild Wisdom: Animal Stories of the Southwest," that explores the living tradition of Native American animal stories of the southwestern U.S. Coincidentally, Sun Devil **Aaron Downey '95 B.A.** is managing editor for Rio Nuevo Publishers.

1970s

Karuna Bhuyan '75 M.S. collaborates with others to publish "Dikhow Pora Grand Canyon," an annual bilingual English-Assamese magazine that includes contributions from writers from India, the United Kingdom and the United States.

Scott McGaugh '74 B.S., founding marketing director of the USS Midway Museum in San Diego, announced the release by Da Capo Press of his book, "Honor Before Glory," about a segregated army unit of Japanese-American soldiers' rescue of the "lost battalion" in World War II France.

C. Kenneth Dodd, Jr. '72 M.S., courtesy associate professor in the Department of Wildlife Ecology and Conservation at the University of Florida, announced the release by Oxford University Press of his book, "Reptile Ecology and Conservation, A Handbook of Techniques."

James T. Schultz '72 B.S., consultant, announced the release by North Loop Books of his book (with Brian L. Fielkow), "Leading People Safely: How to Win on the Business Battlefield," that draws on his 45 years of senior leadership experience in fields where workplace safety is particularly important.

Ron Vossler '71 B.A., associate poet laureate of North Dakota, announced the release by Green Ivy of his book, "Hitler's Basement: My Search for Truth, Light, and the Forgotten Executioners of Ukraine's Kingdom of Death," that is based on his Fulbright Fellowship research.

Joseph J. Corey, Jr. '70 M.S., retired project and contract manager and contracts attorney, announced the release of his book, "Contract Management and Administration for Contract and Project Management Professionals." This guide to the contracting process and to planning, preparing and managing contracts is based on the author's 35 years of related experience.

1950s

♦ **U Kyaw Win '55 B.S.** announced the release by Wipf and Stock Publishers of his memoir, "My Conscience: An Exile's Memoir of Burma," which includes a message of support from The Dalai Lama.

Faculty and Staff

Gregory Castle, professor of English, and Patrick Bixby, associate professor in the School of Humanities, Arts and Cultural Studies, announced the release by Syracuse University Press of the book they edited, "Standish O'Grady's Cuculain: A Critical Edition."

Mark Klett, photographer and Regents Professor in the School of Art, showed his exhibit, "Border Markers," from September 10 to October 29, 2016, at the Lisa Sette Gallery in Phoenix. This color work relates to his "Desert Citizen" series of black and white saguaro portraits and incorporated a 30-foot wall expanse of Klett's hand-made artifacts.

Jewell Parker Rhodes, professor of creative writing and American literature and director of the M.F.A. program in creative writing, announced the release by Little Brown Books of her novel for young readers, "Towers Falling." Set 15 years after the 9/11 attacks, the novel is a story of discovery for those who are too young to have witnessed this event.

Awards and Recognitions

Allegra Hyde '15 M.F.A. announced the release by University of Iowa Press of her debut story collection, "Of This New World." The work received the 2016 John Simmons Iowa Short Fiction Award.

Adrienne Celt '12 M.F.A., writer-in-residence at Pima County Library in Tucson, Ariz., was interviewed by Tucson Weekly following the release in paperback by W.W. Norton/Liveright of her debut novel, "The Daughters." The work won the 2015 PEN Southwest Book Award and was named a Best Book of the Year by NPR.

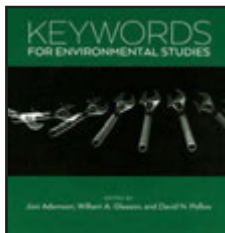
Sanderia Faye '01 M.F.A. was named among the nominees for the 2016 Hurston/Wright Legacy Award for her debut fiction work, "Mourner's Bench." The award recognizes the best books by Black writers from the United States and internationally who are chosen in a juried competition by previous Legacy Award honorees.

Karen Evancic '99 B.S.N., registered nurse in obstetrics, veteran and mother, received The Garcia Memorial Prize for her debut novel, "When a Red Bird Flies," about a dying woman, a nurse and lessons learned when paths cross during difficult life journeys. The annual award is presented in conjunction with the national Reader Views Book Awards and recognizes the best fiction book of the year.

Irena Praitis '99 Ph.D., '01 M.F.A. announced the release by Red Mountain Press of her poetry collection, "The Last Stone in the Circle." The book received the 2015 Red Mountain Poetry Prize.

Keywords for Environmental Studies

Edited by Joni Adamson, William A. Gleason and David N. Pellow, New York University Press, 2016.



Ecology, nature, sustainability, climate change, environment, "green," pollution, eco-tourism, globalization—all are common words and all are plagued by ambiguities, implications and disagreements that

make discussions and understandings difficult. Yet, all are key terms for those who study environment-related issues around the globe, across disciplines, and within academe and broader societies. It is time to explore some of these words, their origins and continuing evolutions in order to establish some common vocabularies and, thereby, understandings for the many fields involved in environmental studies today. With "Keywords for a Environmental Studies," Joni Adamson, professor of English and environmental humanities and a senior sustainability scholar, and her co-editors enable this exploration of terms.

Part of the Keyword series published by New York University Press, this work is best thought of as, in the words of its editors, "a new 'state of the field' inventory and analysis of the central terms and debates currently structuring the most exciting research in and across environmental studies, including the environmental humanities, environmental social studies, sustainability sciences and the sciences of nature." Collected in this volume are multi-page discussions of 60 terms that are or are becoming central in understanding human interaction with the planet, its varied lifeforms, geologies and geographies. The words considered are sometimes predictable as above but also sometimes surprising (e.g., cosmos, history, pastoral, place, religion, sublime, and translation). As a collection, these writings help to establish a common ground and a (hopefully evolving) foundation for emerging understandings. In addition to an interesting read, this work will be a valuable reference for students, researchers and citizens who seek to understand and contribute to a rapidly changing world.

Attention Sun Devil authors:

ASU Magazine seeks news of books published within the past two years by degreed alumni, students, and faculty/staff members of Arizona State University for our Just Published section. Include the author's full name, class year(s)/degree(s), email address and phone number. Email notices to alumni@asu.edu.

The magazine also reviews a select number of books each year in its Shelf Improvement section. Self-published books will not be considered for review. To be considered for inclusion, mail a complimentary copy of the book (which should have been published in the past 24 months) to Book Review Editor, ASU Alumni Association, Old Main, 400 E. Tyler Mall, 2nd Floor, Tempe, AZ 85281.

Landfall: A Ring of Stories

By Julie Hensley '02 M.F.A., Ohio State University Press, 2016.



Backroads and family homes, barns and workshops, valleys and mountain sides, rivers and fishing holes and the like have certain intimacies that imprint in memory, especially when experienced as the places of personal challenge, change or childhood. Often known as background at the time, the associated details of place—the sounds,

smells, surface textures, qualities of air and light—come to mind later in recollection of events and familiar places. Or, years and miles afterward a familiar smell, scrap of fabric or slant of light calls to mind a time and place once known, once experienced personally, thoroughly, with all of the senses in all of the confusions of its details. In “Landfall: A Ring of Stories,” Julie Hensley demonstrates this clearly, skillfully, beautifully.

Set in the fictional town of Conrad’s Fork, Kentucky, this

award-winning collection of 14 related stories tells tales of family secrets kept and revealed, individual lives bumping up against others in a small town, of histories woven together by place and habits. Hensley’s lyrical use of detail evokes the feeling of places and the intimacy of people bound to and by those places. Clearly demonstrated in this work are lives intertwined, circled back and woven into the contours, hills and winding valleys of Appalachia. “Landfall’s” vivid characters and places are likely to remain with readers long after the last page is turned.

Riding Behind the Padre: Horseback Views from Both Sides of the Border

by Richard Collins '63 B.S., Wheatmark, 2014.



Well-placed and well-prepared to tell this story, Arizona native, rancher and award-winning author Richard Collins '63 B.S. owns and operates an 13,000-acre ranch just 25 miles north of the Arizona-Sonora border. His sustainable ranching practices and ecological watershed management efforts are, like his writing, award winning. In the 1970s and '80s, he worked as a scientist for the U.S. Centers for Disease Control in rural villages and farms of Central America and Mexico and learned firsthand about poverty, dis-

ease and violence as drivers of today’s borderland turmoil. Additionally, the human story of desperate immigration and drug and human trafficking is played out daily on his ranch and the ranches, farms and small towns of his widespread community.

Fortunately for readers, Collins has a scientist’s disciplined curiosity, a naturalist’s affinity with the Sonoran desert, a horseman’s appreciation of horses as partners and individuals, a historian’s grounded sense of place, and a deep commitment to understanding the diversity of issues that accompany borderlands and the people who inhabit them. These qualities shine in “Riding behind the Padre,”

which is an account of Collins’ experiences on both sides of the border while riding on several *cabalgatas* (excursions on horseback) with a group of Mexican cowboys as they followed the trails established three centuries earlier by pioneering Jesuit Priest Eusebio Francisco Kino (Padre Kino) across and through the U.S.-Mexico borderlands. The book introduces valuable insights and perspectives on the current maelstrom of political and social issues currently faced in the borderlands and makes suggestions about how these issues might be addressed effectively. Perhaps more importantly, the book demonstrates not only open inquiry but also compassion for people and place.

Gator, Gator, Second Grader: Classroom Pet ... or Not?

By Conrad Storað '83 M.M.C., Little Five Star, 2015.



While the non-fiction and fiction books reviewed by ASU Magazine over the years have featured a wide variety of viewpoint characters, it is highly unlikely that many of them have featured a tale told through the eyes of a gerbil. But Sue the Gerbil’s recounting of the day that two second-grade boys brought

a baby alligator to school is just the beginning of the fun to be had in this book, which is written by alumnus Conrad Storað (who was also the editor of ASU Research Magazine for many years) and illustrated charmingly by Alex Lopez.

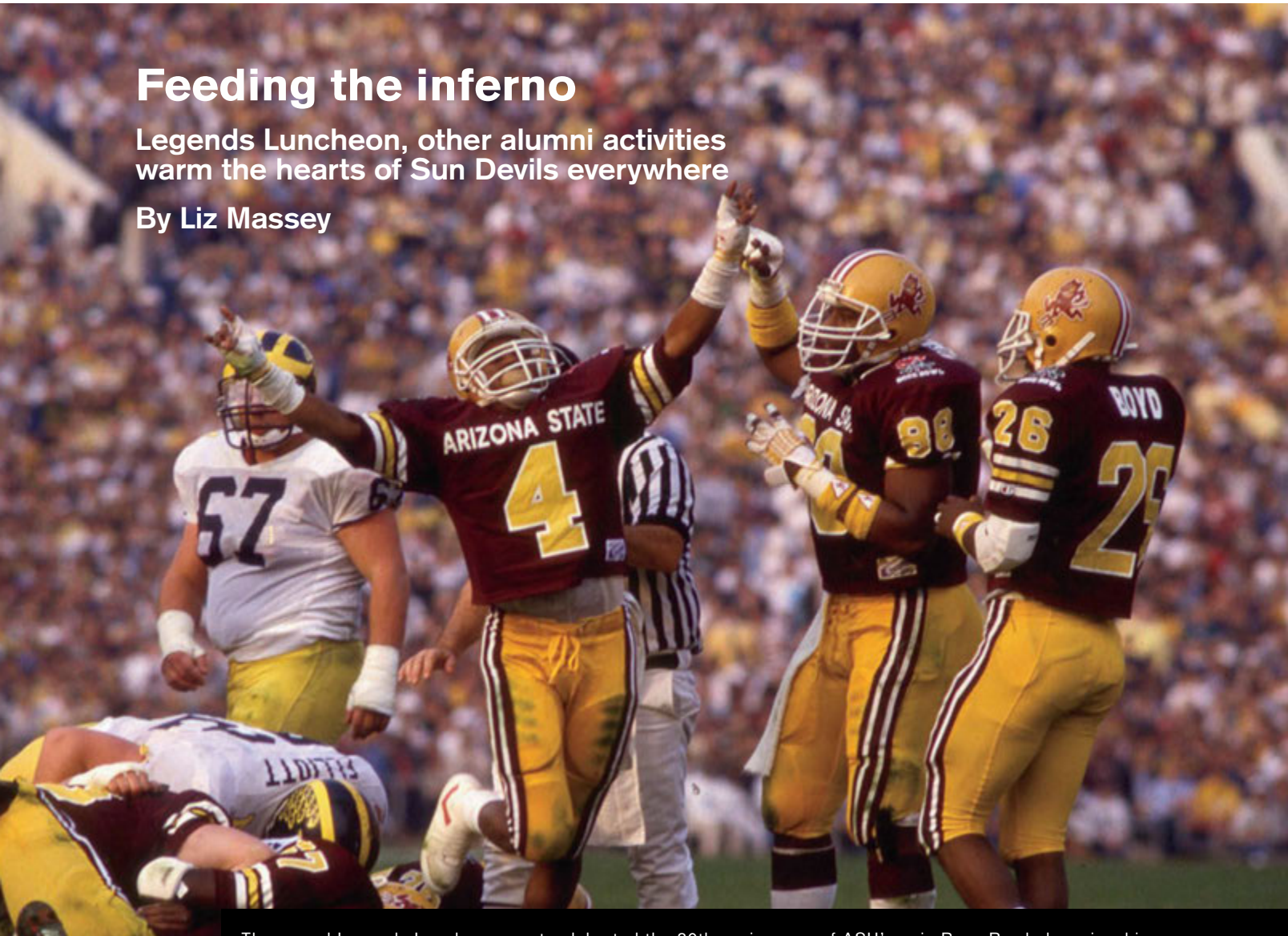
While the main part of the story relates to how Mrs. Nichols, the second-grade teacher, helps her class understand which animals make good pets and which do not (because they are too big, too hard to handle

or are likely to view humans as food), Storað turns what could just be a fun storytime volume into a learning experience for kids and their parents. The book includes a curriculum and activity guide for teachers, a vocabulary section, and numerous “fun facts” about alligators and their relatives. “Gator, Gator, Second Grader” is a wonderful introduction to science, pet ownership and the natural world for young persons curious about animals and how they survive and thrive outside of a zoo or home setting.

Feeding the inferno

Legends Luncheon, other alumni activities warm the hearts of Sun Devils everywhere

By Liz Massey



The annual Legends Luncheon event celebrated the 30th anniversary of ASU's epic Rose Bowl championship season.

It's been said there is no "I" in "team." While there IS an "I" in "Sun Devil," all ASU alumni know that they're far from rugged individualists. There's plenty of room for each alum to succeed on his or her own merits, but the Sun Devil Nation is 496,000 strong, and ASU Magazine often showcases what can happen when ASU-affiliated alumni, faculty, staff, students and supporters work together.



Fans flocked to the Alumni Association's series of home-game tailgates, which drew hundreds of alums each time.

The ASU Alumni Association, of course, is one of the primary places for graduates to “huddle” and learn more about how they can help themselves while boosting the university’s collective reputation. Here’s a quick recap of some events held over the past few months by the ASU Alumni Association team.

Football season rocks the Sun Devil faithful with tailgates, Legends Luncheon

Fall is one of the best seasons to be an ASU alum or fan – football season brings out Sun Devil traditions and fun like no other time of year!

In 2016, the ASU Alumni Association hosted away-game tailgates before the contests against the University of Texas-San Antonio on Sept. 16, USC on Oct. 1, Colorado on Oct. 15, and Washington on Nov. 19. Each of these events focused the fan power and featured music, food, the ASU Spirit Squad and special guest speakers from Sun Devil Athletics. Additionally, the association also expanded its new tradition of home-game tailgates by sponsoring five Sparky’s Touchdown Tailgates as part of the Devils on College experience.

The Alumni Association paused on Oct. 21 during Homecoming Week to celebrate one of the university’s finest football teams – the 1987 Rose Bowl Championship team – at Legends Luncheon.



ASU Alumni Career Services offered a mix of in-person and online career building events this fall.

Career Services mixes virtual and on-site opportunities

Once the school year starts, the Valley of the Sun returns to its status as a “hot” spot for career networking, and ASU Alumni Career Services offered a large menu of professional development activities for Sun Devils living both near and far from the university’s five campuses.

For those who craved traditional in-person networking experiences, the Alumni Association delivered with Maroon & Gold Professionals mixers on Sept. 21, Oct. 12, Oct. 20 and Nov. 15. For alumni looking to sharpen their skill set and job-hunting abilities, there was the ongoing Wednesday Webinar series, which presented topics that included resume writing for one’s next career, “rocking” one’s LinkedIn profile, how to prepare for career fairs and expos, and how to undertake a career change. Finally, ASU Alumni Career Services expanded its services to alumni everywhere by hosting several online networking events through the Brazen Careerist platform, including an all-digital career fair especially for ASU alums in late October.



ASU families enjoyed the annual Grandparents’ Day Brunch, hosted by Sun Devil Generations on Sept. 10.

Additional activities

The Alumni Association’s family program, Sun Devil Generations, brought multiple generations of alumni and their young descendants together through the power of breakfast foods at its Grandparents’ Day Brunch with Sparky event on Sept. 10. Youngsters engaged in activities with their parents and grandparents, and enjoyed a visit from our beloved mascot.

The Veterans chapter of the Alumni Association and other programs participated in the annual Salute to Service celebration on Nov. 10, which acknowledges the contributions of military servicepersons and veterans to the United States.

Liz Massey is managing editor of ASU Magazine.

A family tradition

ASU families celebrate generations of Sun Devils

By Bill Goodykoontz

When you think of a legacy, of something you pass on to your children and your children's children, what comes to mind? Money? Furniture? Jewelry? Land?

How about an Arizona State University education? And the traditions that go along with it?

That's what a lot of ASU alumnae have done – the university has many legacy families, spanning generations of students who can't get the Sun Devil spirit out of their system – nor do they want to.

Take Janet Osgood, for instance. Her father was an assistant coach for the football team in the late 1940s and early '50s. She received both her bachelor's and master's degrees at ASU. So did her husband. Her daughter Shannon is a graduate, and her son John is enrolled at the university currently.

"I met my husband at ASU, and the Sun Devil tradition is continuing with our children," she said. "While our son and daughter were raised and grew up with a love of ASU, they did have a choice of where to go to college, and chose ASU based on the excellent academic opportunities the university provided – in addition to our family history!"

Gina Woodall has deep family history with ASU, too, and she can't seem to shake it. Her dad, Herman Serignese, played football at ASU. Her two older sisters graduated from the university. She met her husband there (her brother-in-law is also a graduate) and now she is the senior lecturer and intern coordinator for the School of Politics and Global Studies ("STILL here," as she says).

"We grew up hearing all the stories from my dad about what a life-changing experience it was for him," she said. "Our parents always told us we were going to college from when we were toddlers, so we knew we were going to go, and when it was time to go, we couldn't escape all those great memories of my dad's memories."

Memories are great, but some families look to the future as well as celebrating the past.

Kathleen Duffy Ybarra, the immediate past chair of the ASU Alumni Association,



Kathleen Duffy Ybarra: "It is icing on the cake when [your child] attends your alma mater and shares in rich traditions."

graduated from ASU, as did her daughter. Her nieces are currently enrolled, and "my nephew ... is in the third grade and plans to attend ASU in 2026."

Nothing like planning ahead.

"A parent wants his or her child to have a great college experience, not only academically but participating in the extracurricular activities and exposure to a broad network as a member of the alumni association," she said. "But it is icing on the cake when they attend your alma mater and share in rich traditions."

Ybarra and her family do just that. They attend the Grandparents' Day Brunch with Sparky, finger-paint the "A" and take part in other activities through Sun Devils Generations, which offers a host of activities for families. They also tailgate and attend Founders Day.

Osgood's family stays similarly busy. They've been season football ticket holders since 1979, host parties for away games and attend the Sparky Touchdown Tailgates for home and road games. "Another tradition is to join in painting the 'A' and the Lantern Walk," Osgood said.

This year, their maintaining of tradition even surmounted a cross-country move by Osgood and her husband.

"We have been running the Pat's Run in Tempe as a family since 2006. This year ... my husband and I were in Florida and ran the Pat's Shadow Run with the Florida alumni chapter, while Shannon and John ran the run in Tempe. We can't break this tradition, no matter where we are."

Bill Goodykoontz is a freelance writer based in Chandler, Ariz.

program update



More than 50 international connection group leaders keep far-flung alumni connected in places ranging from Chile and Canada to Sweden and South Africa.

Taking a global perspective

International connection leaders share ASU with the world

By Jan Stanley

Given the number of ASU graduates out and about in the world (496,000 and growing!), it's little wonder that they can be found just about anywhere. Helping them stay in touch with each other and their alma mater is the job of an intrepid band of volunteers who comprise the ASU Alumni Association's group of international connection leaders and alumni ambassadors. Now more than 50 persons strong, these Sun Devils can be found from Argentina to Australia, Chile to China, Canada to Cyprus, Pakistan to Peru, Sweden to South Africa, the United Arab Emirates to the United Kingdom and many points in between.

According to Alissa Serignese, the Alumni Association's vice president of programs and constituent relations, international connections are similar to the organization's many geographic chapters that operate within the United States. The international groups give special attention to supporting lifelong engagement of area Sun Devils, as they may very well be the only ASU connection an alumnus/a living abroad has. Beyond that, the connections provide also a gateway to the university for prospective students, new students and their families – and in collaboration with ASU's University Career Services – for current ASU students who seek internships or employment in international settings.

An example of the connections being made between ASU-affiliated people across the globe can be found in Madagascar, where Zane Dickey '93 B.S. is working to establish Skype chat opportunities between the high school students he teaches and

current students in Barrett, The Honors College at ASU. He says he values perspectives gained through global connections, and asserts that curiosity, open-mindedness and enjoyment of people, in addition to the ability to be amazed, are important qualities for alumni leaders.

International connection leaders are an enthusiastic and inclusive group. Paul Mirshak '03 M.B.A., leader of the Montreal connection group, says, "Whenever an alum reaches out to me via email for the first time and describes the joy they had in attending ASU, it always puts a smile on my face and makes me reminisce about my incredible time at ASU." Leaders frequently stretch the boundaries of what is considered their connection's boundaries to make fellow Sun Devils feel welcome. Mirshak said he extended the group's reach beyond Montreal to include alums in Quebec and the Maritime provinces of Canada, the city of Ottawa in the neighboring province of Ontario, and even upstate New York in the United States. In Beijing, Yang Wen '12 M.S.E. is considering opening a group in meetup.com to increase communication between members in his part of China; some widely distributed connection groups already use social media to stay in touch.

When international connection groups do gather in person, it is for a multiplicity of purposes, which can include networking, social events (that often take advantage of local celebrations like Christmas beer in Norway or a rare chance to see ASU play football on TV), hosting a Sun Devil Send-Off for new students as they head to ASU, holding events that answer questions for prospective students and their families, and hosting members of

ASU's administration and faculty when they visit the area. The international leaders appreciate the chance to assist members' transitions to the local culture and to advance the university's work overseas.

Serignese said of her global cadre of volunteer leaders, "It's great to see the Sun Devil passion throughout the world. We can mobilize the troops around the world if we need someone to meet with prospective students, host or attend a Send-Off, ... or meet with one of our senior administrators when they come to that area. Our amazing volunteers always make it happen."

Leading international alumni is a task that these Sun Devil leaders are happy to take on. One of the hardest challenges faced by the connection group leaders, however, is finding alums within their regions, even with assistance from the Alumni Association back home in Tempe. So, if you are an internationally based alum, or you know of one, let the Alumni Association know. The Alumni Association would love to connect you with Sun Devils in your current home country.

To locate an international connection group near you, visit <https://alumni.asu.edu/groups/international>, or contact the ASU Alumni Association at alumni@asu.edu.

Jan Stanley is a contributing editor to ASU Magazine and executive coordinator in the Office of the Senior Vice President and Secretary of the University.



International alumni leaders often represent ASU at college fairs and other events.

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CANON SEE IMPOSSIBLE

Reports from the Sun Devil Nation



Colorado alumni chapter members experience a Rocky Mountain high, Sun Devil style.

Chicago

Thank you to everyone who joined us throughout the 12-week ASU football game-watching season. We had a great time seeing so many new faces and (of course) the alumni who have been in the Chicago area for a while.

The winter is now upon us and all of us here in Chicagoland are hoping it's a mild winter. Regardless of the weather, we'll continue to host our PAC-the-Stockings event with all of the Pac-12 chapters in Chicago. Stay tuned after the New Year; we'll host several events in early 2017, including our social bowling league, which has become very popular in the last few years, as well as an ASU Cares project in March and the Pat's Run shadow run in April. We look forward to seeing you at future events; e-mail alumni@asu.edu if you'd like to be added to the Chicago email list.

Colorado

What a fall it has been up here in Colorado! Our chapter kicked off the season by joining 30 of our Sun Devil friends in Northern Colorado for their camping trip in August. After that, it was football season, with game-watching parties at the home of ASU Colorado, Blake Street Tavern, with more than 200 Sun Devil fans and supporters on a weekly basis to cheer on the team. The highlight of the season happened when 400+ Sun Devils descended upon Boulder in October, as ASU battled the Buffaloes. What a weekend that was! We finished up the fall with a nice November networking event at Stone's on 32nd in LoHi.

We'll continue the fun as the calendar turns over to 2017. We can't wait for the ASU Men's Hockey team to come to Denver and take on the DU Pioneers on Jan. 6-7. We will follow that up with our annual Ski & Board Day with a networking mixer in Breckenridge on Saturday, Feb. 25, our ASU Cares project in March, and then the Pat's Run shadow run in April. With events going on across the state every month, it's a great time to be a Sun Devil in Colorado!



Happy alumni and incoming students mixed and mingled during the Dallas/Ft. Worth Sun Devil Send-Off.

College of Nursing and Health Innovation

Our academic affiliate offered several exciting alumni engagement opportunities this fall. A new alumni website went live, and graduates were invited to share feedback on preferred methods of engagement. In October, nursing graduates were invited to participate in an alumni healthcare tailgate featuring employers from across the state and country.

Homecoming was a great celebration within the College of Nursing and Health Innovation, as alumni were invited back and included in the college's poster-decorating and ice cream sundae social events, as well as the larger Downtown Phoenix campus alumni reception and the ASU Homecoming Block Party. Our alumni participated in the fun and volunteered their time to help staff the first aid stations at the block party.

You can join us for the fun. To reconnect with the college, email conhi.alumni@asu.edu or call 602-496-7431.

Devils' Advocates

Thanks to everyone who came out for our Golden Anniversary kickoff event at the Homecoming Celebration on Oct. 22! It was wonderful seeing so many familiar faces and connecting with old friends.

You can join us for our Golden Anniversary luncheon on April 8 at Old Main as we continue celebrating 50 years of giving tours to ASU's prospective students. For more information, contact Christa Steiner at christa.steiner@gmail.com.

Dallas/Ft. Worth

This summer and fall flew by, as we gathered and gave the freshmen from our area a great Sun Devil Send-Off, held a networking mixer in conjunction with ASU Alumni Career Services at Bar Louie in Ft. Worth, enjoyed an ASU football game in San Antonio, participated in the ride/walk to support TC Chillemi ASU Fund in September, and enjoyed watching some incredible Sun Devil football together.

As we look forward to the spring, please join us for our ASU Cares project and Pat's Run shadow run. To stay up to date on all the latest ASU Alumni happenings in the Metroplex, follow us on Facebook at <http://www.facebook.com/dfwsundevils>.

Devils' Pride

Join us this coming spring for our fifth annual scholarship dinner! With the generous support of the ASU and local community, current ASU LGBT students will be awarded a scholarship to help fund their educational endeavors.

The dinner, to be held on March 18, 2017, is sure to be an amazing evening! To learn more, please email Manuel Lucero, Devils' Pride president, at mlucero2@asu.edu.



The Doran Community Scholars Alumni club at their fourth annual Doran Parent Open House.

Doran Community Scholars

On Nov. 5, our club hosted Breakfast with Sparky. It was a beautiful outdoor breakfast, with music, games, photo opportunities with Sparky, raffles, and more. We would like to give a big “thank you” to our volunteers, donors, and those who attended! You all helped us raise money for the Doran Community Scholars Scholarship Program. We hope to see you at our future events!

Flagstaff

If you’re going to be in Flagstaff, we hope to see you at our upcoming spring and summer events. In February, we will have a mixer for alumni, family and fans. Our ASU Cares project in March will include a community clean-up day. Planning is already underway for our Pat’s Run shadow run in April – email Meghan.remington@gmail.com if you’d like to join our planning committee. In May we’ll host a Toast to Tillman, a fundraiser for the Pat Tillman Foundation. And you can join us in June for our pub crawl at Sun Devil-owned establishments on a beautiful summer day.



Members of the Flagstaff alumni group pose with Sparky.

Georgia

It's been an amazing year for our chapter! We kicked off the summer by welcoming brand new ASU students to the family with our Sun Devil Send-Off, spent the summer singing our hearts out on karaoke nights at the Hudson Grille, where our game watch parties for our incredible football team also took place! We gathered to watch swimmer Michael Phelps win more medals at the Rio Olympics, held our signature annual event – our Braves tailgate and game – during the team's last season at the Ted, and enjoyed the cool fall weather with our friends and ASU family at the corn maze! We are very thankful for all the spirit our chapter generates so far from home, and are looking to an even more exciting 2017 coming up. GO DEVILS!



Georgia alums gather at a local eatery.



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Los Angeles Sun Devils got a close up view of the Space Shuttle Endeavor.

Los Angeles

We appreciate everyone who joined us at our football game-watching parties this season, and a BIG thank you goes out to everyone who attended Sparky's Touchdown Tailgate party before the ASU-USC football game and our successful Friday night Inferno. We've also just wrapped our 17th annual ASU vs. U of A bowling tourney. That's always a fun time – and even more fun when we win! Other recent events have included an alumni panel about working on reality TV programs in Hollywood and a trip to a Golden Road Brewery in Glendale.

This winter, we will be supporting the men's and women's basketball teams when they play UCLA and USC, plus other ASU teams that will be swinging through the LA area, including baseball, softball, water polo and more.

If you're not receiving our emails, send a note to devall@aol.com. Details related to these events can be found on our website at <https://alumni.asu.edu/chapters/los-angeles>. We look forward to seeing you at any of our upcoming events.

New England

Our chapter proudly hosted pre-game parties for the visiting ASU hockey team this fall. The Sun Devils have been spending a lot of time in the northeast this season, going up against some of the best Division I hockey schools in the country. Join us Jan. 27-28 in Quinnipiac to support the team.

You can keep up with our activities by following us on Facebook at "ASU Alumni New England Chapter" or you can contact Terry O'Brien directly at terry.obrien@asu.edu for information regarding tickets and pre-game details.

Come join us and cheer on your Sun Devils – Forks Up!



San Diego alums root for the Sun Devils at a game-watching event.

San Diego

This fall our chapter had a great turnout rooting on our Sun Devils at our football game-watching events. We held them at The Local in downtown San Diego and at Cerveza Jack's in Pacific Beach.

We are excited for all of our 2017 spring events and hope that all of you San Diego Sun Devils will join us! We will be hosting an ASU Cares event, a trip to a Padres baseball game, as well as happy hour mixers and hikes. For all of those who can't make it to Tempe, we will also be hosting our annual Pat's Run shadow run, which benefits the Pat Tillman Foundation. It will be a day filled with beach running, brunch and networking with our Sun Devil family. Our goal is to make 2017 the biggest turnout yet!

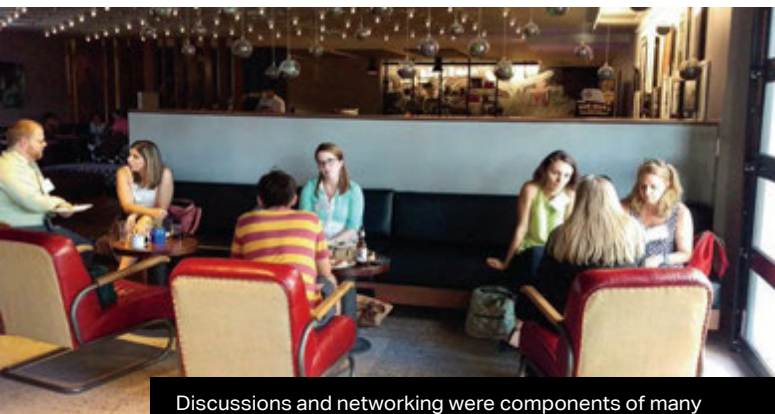
Thank you local Sun Devils for the support and helping make our events a success!

School of Sustainability

Our chapter welcomed new leadership for the 2016-2017 year and they have been making things happen for all SOS alumni!

We hosted various mixers and out-of-state events, where students and alumni got to meet and have wonderful discussions. We also had a great time at the Homecoming Reception and Block Party! Thanks to all who joined us, and we look forward to seeing you at the next one! Please be sure your info is updated with the Alumni Association to make sure you receive invitations to events in your area.

Our garden volunteer day is the second Saturday of every month at Escalante Community Garden in Tempe. This event started back up in September and will continue through the



Discussions and networking were components of many School of Sustainability alumni events.

spring. The items harvested provide food to the Tempe Community Action Agency Food Pantry.

Our fall 2016 job shadow cohort included 21 alumni and 35 students. Our program is highly beneficial for SOS students, so we would love to have more alumni working in the sustainability field participate. If you can't participate in our job shadow program, we are also looking for mentors. Email SOSAumni@asu.edu if you are interested in either option.

Twin Cities

Our chapter has had a great fall, which we kicked off with a new alumni happy hour and football game-watchings at our home bar, Runyons. This establishment, located in the Warehouse District, arguably has the best wings in Minneapolis and is a great spot for us to cheer on our Sun Devils. If you haven't checked out a game with us at Runyons yet, please join us next year!

We also moved our annual summer lake cruise to a fall river cruise. It was fun to check out the beautiful fall colors while taking a leisurely cruise down the St. Croix River.

As we move into winter, we are looking forward to our annual Fork & Bottle wine tasting event and a volunteer event to support ASU Cares. If you haven't connected with us yet, please do so via e-mail (twincitiessundevils@gmail.com), Facebook (Twin City Sun Devils) or Twitter (@sundevils_mn)! We'd love to hear from you!

Young Alumni

The ASU Young Alumni Chapter is excited to welcome the newest Sun Devil students who began taking classes here this fall. We kicked off the season with a viewing party to watch our Sun Devils take on the USC Trojans! Following that weekend, we hosted a tailgate with ASU Career Services. We had so much fun mixing and networking with fellow Sun Devils while celebrating another epic game day in Tempe. We ate our way through Tempe with our "Grub Crawl." To close out the year, we gave back to the community during our November Volunteer Project. Let us know if you want to join us next time!

Did you graduate recently and are you looking to stay involved in the Sun Devil community? We are looking for enthusiastic Sun Devil alumni to join our team and help us plan and execute events! Please contact Lauren Baum at lebaum@gmail.com for more information.

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s/Elizabeth Massey, Managing Editor, 10/01/2016

Planting a global seed

Sonya Reed '96 B.S.

For Sonya Reed, part of learning how the world of business works meant leaving the confines of the United States, equipped with a bachelor's degree in economics and a minor in Spanish in 1996.

Before graduating from Arizona State University, Reed's interest in the business world outside the United States was solidified after studying abroad at the Universidad Complutense de Madrid in Spain and spending a semester in 1995 at the University of Cambridge in England, where she studied economics.

"My time at ASU was some of the best of my life," Reed said. "I really think that it was the mix of the student population and diversity of talent there that opened my eyes to the world and broadened my perspectives."

While Reed's focus at ASU was on her studies, she also knew the importance of embracing campus life by utilizing campus facilities with friends and faithfully filing into Sun Devil Stadium to support Sun Devils football.

"I know how to study hard, but I also know the importance of having balance and doing those things that fill me with energy," Reed said. "At ASU, it was learning from the many diverse people that I had exposure to, but also taking advantage of the opportunities to disconnect and recharge."

Following graduation, Reed accepted a job with Zurich Insurance Company

in an associate underwriting program for their property and casualty business. After two-and-a-half years, Reed transitioned into human resources with the company's American home base in Illinois. Shortly thereafter, she was given the opportunity to take an international assignment at the company's world headquarters in Zurich, Switzerland. In all, she stayed with the company 14 years.

"ASU's study abroad program was the reason I looked for companies that had operations outside the United States. The program planted that seed," Reed said. "I had an insatiable desire to experience the global world of business."

In 2011, she was recruited to General

Cable and became senior vice president and chief human resources officer. More recently, Reed was hired as senior vice president of human resources for Phillips 66 in Houston.

While the city that Reed calls home has changed several times throughout her career, what has remained constant was the foundation she has built upon from her experiences at ASU.

"My time at ASU was a fantastic experience," Reed said. "It provided me with amazing opportunities that prepared me well for this exciting adventure that I have been on since graduation."

By Nathan Gonzalez, a freelance writer based in Phoenix.



Shaking free of trauma

David Berceli '07 Ph.D.

An internationally recognized expert in treating trauma and post-traumatic stress disorder (PTSD), David Berceli developed a number of healing interventions for these conditions while working among refugee populations in Africa and the Middle East. But it was the opportunity for interdisciplinary research at ASU that allowed Berceli to bring his ideas into the academic world.

For almost 15 years, Berceli worked for a nonprofit organization, living abroad in regions that had experienced turmoil and working with refugees in trauma intervention and conflict resolution. He observed a pattern that recurred everywhere, suggesting a basic human physiological response to trauma.

"After a traumatic event, many of us, myself included, would begin to shake out of anxiety, fear or terror," Berceli says. "I began to observe this shaking and recognized that it happens at a very specific time, it finishes at a very specific time and it seems to be systematic for everyone, no matter what country we're from."

In response to this observation Berceli developed a series of seven simple exercises that artificially evoke the same shaking mechanism experienced at the time of a stressful event.

"If you re-evoke the tremor mechanism in a safe environment, what it does is allows the body to pick up where it left off, at the excited state of activation and release the charge in the new environment of safety," he says. The methods were simple enough that people with no clinical or professional background could teach, learn and practice them.

"I had to make it available and accessible to a mother who has an eighth-grade education and five traumatized children, as well as all the marginalized and disenfranchised populations," he explained.

Berceli termed his method Tension and Trauma Releasing Exercises (TRE). He previously had pursued a broad educational background, which



included a master's degree in social work and studies in theology and Arabic and Islamic studies, but he knew he needed to conduct doctoral-level research in order to prove the efficacy of his techniques. He sought out Arizona State University's School of Social Work within the College of Public Service and Community Solutions, attracted by a research paradigm that seeks to bring together various disciplines to solve difficult problems. Berceli noted he did his research with the interdisciplinary cooperation between the kinesiology department and the social work department to prove the TRE system worked both physiologically and emotionally.

Berceli has stayed in the Valley since graduation, and teaches as a guest lecturer at ASU when he is not traveling to spread the word about TRE's impact on treating trauma. The exercises also have been integrated into the Stress Less TRE app for smartphones and other mobile devices.

"Their (ASU's) openness to suggest that 'Yes, we need interdisciplinary research' is exactly what got me to come here," he said. "Their willingness and support for something that was so unusual was wonderful."

By Eric Swedlund, a freelance writer based in Prescott, Ariz.

A commitment to serve

Jeri Williams '88 B.A.

Jeri Williams became a cop partly because her wrists and elbows were a little too big. As a theater major at ASU, Williams had envisioned a career for herself as an actor and a flight attendant – until an airline measured her wrists and elbows.

"I was a little bit too heavy to be a flight attendant," Williams recalled.

After the airline job didn't work out Williams' mother suggested checking the City of Phoenix job postings and an opening for police officer "was a natural draw."

Williams said she was able to rise through the ranks in police departments partly because ASU helped develop her will to succeed.

"Sun Devil means pride, commitment, fortitude, perseverance – just staying focused on the goal," Williams said.

She'll need the toughness and commitment she developed at ASU. Williams became the police chief in Phoenix in October. She is the first woman and the second African-American to hold the job. Williams previously was chief in Oxnard, Calif., for nearly six years.

Having a strong background in the theater – both before and during college – made a big difference in developing her leadership abilities, she said.

"When you're in theater, you have to naturally communicate," she explained. "I would say the fact that I am a theater major, coupled with all of the upbringing and experience that I had through my church ... those opportunities where I had to speak in front of people have definitely helped me in this job that I'm in now."

One of the strongest memories for Williams related to Arizona State was that it was very much a community in and of itself.

"We finally won the Rose Bowl (in 1987) and there was so much energy about campus and a feeling of pride about being a Sun Devil. I think I take that pride, and that desire to build communities, from Arizona State University," she said.

Her new job has been a homecoming



for the Phoenix native, who spent the first 22 years of her career with the Phoenix Police Department.

"I'm proud of my career in law enforcement," Williams said. "I patrolled the same streets that I grew up in, and my approach to dealing with things will be one of open and honest communication, one of trust and transparency."

By Tom Kertscher, a freelance writer based in Madison, Wisc.

2010s

Emily Churg '16 Ph.D. established a new business, MySoberRoommate.com, to assist people in recovery who are looking for like minded roommates. The service supports search for and messaging with potential roommates and allows members to control what personal information is shared.



Alison Kelly '16 B.A. received the Pi Beta Phi Fraternity for Women's Chapter Service Award for Outstanding Servant Leadership in recognition of her contributions to her chapter through leadership, responsibility, dependability, initiative and chapter spirit and unity.



Dan Kouretas '15 B.S., founder and CEO of Kouretas Ventures, LLC, was named to Vegas Inc magazine's 40 Under 40 list for 2016. The honor recognizes success in business and community outreach in the Las Vegas area.

Kunal Laroia '15 B.A. founded the Scottsdale, Ariz., based Telescope Ventures that supports founders and startups in the technology community and offers a Fellows Program for students that includes paid internships at local companies.

Shelly Shaffer '15 Ph.D., an assistant professor at Eastern Oregon University, contributed an article to "Dr. Bickmore's YA Wednesday" blog about young adult literature that addresses school shootings.

Zach Heltzel '14 B.S. created Zetus Lapodcast, an adult comedy podcast that will eventually cover all of the 115 Disney Channel Original Movies.



Colin Good '13 B.S., a third-year student in the Campbell University Jerry M. Wallace School of Osteopathic Medicine, was awarded a Theology, Medicine and Culture Fellowship at Duke University beginning in August 2017.

Jeffrey Jennings '12 B.A., '14 M.L.A., sustainability project coordinator for the utility company Arizona Public Service, was included on the 2016 GreenBiz 30 under 30 list of emerging leaders who are tackling some of the toughest challenges in business and nonprofit organizations.

♦ **Kishonna Gray '11 Ph.D.,** an assistant professor and Critical Gaming Lab director in the School of Justice Studies at Eastern Kentucky University, was selected as an MLK Visiting Scholar at the Massachusetts Institute of Technology for the 2016-17 academic year. Gray is known internationally for her research that links diversity-related issues and the gaming culture.



♦ **Lance Kaufman '11 B.A.** was admitted to practice law in California and joined the Edward G. Schloss Law Corporation in Los Angeles. He is a recent graduate of the Thomas Jefferson School of Law in San Diego.



Laura Palmisano '11 B.A., senior reporter, producer and host at KVNF Community Radio in Western Colorado, won a Regional Edward R. Murrow Award and Award of Excellence from the Colorado Broadcasters Association, and placed first in Feature

Reporting category in the Society of Professional Journalists regional Top of the Rockies awards. The Murrow Award was received in recognition of a three-part series on the Karen ethnic minority refugee community fleeing from Myanmar that is now settled in Delta, Colo., a program that was produced while Palmisano was a 2015 fellow for the Institute for Justice and Journalism.

Danielle Pingel Applegate '10 B.S. was named Choreographer of the Year at the 8 National Talent competition in San Antonio, Texas.

♦ **Matthew Applegate '10 B.S.** is a pilot with Virgin Airlines.

♦ **Sher Downing '10 M.L.G.** accepted a position as vice chancellor of e-learning at the University of South Carolina - Palmetto College in Columbia, S.C.



Charlotte Thrall '10 M.S., '12 D.N.P., with the Contact Dermatitis Institute, was recognized at the 2016 College of Nursing and Health Innovation's Dream-Discover-Deliver awards reception

for her efforts in advancing health care and healthy lifestyles with special attention to groups for whom access to health care may be difficult.

2000s



Lesley Manley '09 J.D., formerly a clerk for Chief U.S. Magistrate Judge Brooke C. Wells in the District of Utah, joined the Salt Lake City and Park City offices of the Jones Waldo Holbrook and McDonough law firm.

Ryan Probst '09 B.A., founder and baker for Odelay Bagel Co. in Phoenix, as well as a former guitar player for the Tempe-based band Dry River Yacht Club, appeared on the 2016 Phoenix New Times list of 100 Tastemakers.



Nileshe Joshi '08 M.B.A. was named executive vice president and CIO of Newtek Business Services Corp. that offers business and financial solutions to small and medium-sized businesses. Joshi has nearly 20 years of experience with information technology leadership and project management.

♦ **Samantha Thompson '08 B.A.** and ♦ **Andrew King '09 B.S.A.** founded Standard Wax, a Tempe-based candle company that produces scented candles in ceramic holders and sells them locally and across the United States.

♦ **Alan Clifford '07 B.S.** is a co-founder and the supervisor of menu and the departments for packing, human resources, finance, legal sales and offline marketing at Galley, a meals-delivery service that provides more than 1,000 fresh meals a night to upscale Washington, D.C. area professionals.



♦ **Brian Morin '07 B.A.E.** opened Sister Lakes Brewing Co. with his family in Dowagiac, Mich., and serves as head brewer.

Amber Straughn '07 M.S., '08 Ph.D., astrophysicist for NASA's Goddard Space Flight Center in Greenbelt, Md., received the Young Alumni Award from the University of Arkansas Alumni Association in recognition of her exceptional contributions to her career field.

Charlton Park '06 M.H.S.M., '06 M.B.A. was named chief analytics officer, a newly created position, for the University of Utah Hospitals and Clinics.

Rachel Bennett Yanof '05 M.Ed., founder and director of external affairs at Phoenix Collegiate Academy (the school she founded in South Phoenix in 2009) was highlighted in an [azcentral.com](#) story about the graduation of the school's first group of seniors, all of whom now are attending college.

◆ **Elisa Bradley '05 B.S.**, adult probation officer with the Maricopa County Adult Probation Department, and **Barney Enos, Jr. '09 M.P.A.**, a consultant with Akimel Advisors, recently were appointed to the Grand Canyon Resort Corp.'s board of directors.



Jon Howard '04 B.A., '08 J.D., an attorney in the Phoenix law offices of Quarles and Brady LLP, was appointed to the board of directors for Valley Leadership.

Todd LaPorte '04 M.B.A., formerly HonorHealth chief administrative officer and executive vice president, was promoted to CEO of the organization.

Riccardo Stewart '04 B.A.E., lead pastor at Redemption Tempe, was appointed to a three-year term on the Tempe Community Action Agency board of directors.

◆ **Jeff Doroh '03 B.S.** accepted a position as internal audit senior at Whirlpool Corp. in Benton Harbor, Mich.

Kiril Hristovski '03 M.S.T.C., '07 Ph.D., an associate professor in ASU's Polytechnic School, a part of the Ira A. Fulton Schools of Engineering, received a Medal of Merit for Macedonia from Macedonian President Gjorge Ivanov at the Presidential Villa Biljana in Ohred, Macedonia. The medal is the highest governmental recognition for a civilian and recognizes Hristovski's contributions in nanotechnology, his positive image for young scientists and his affirmation of the historical and cultural traditions of Macedonia, his country of origin.

Kate Janczewski '03 B.A., formerly director of digital media and communications for Sun Devil Athletics, was promoted to assistant athletic director, digital media and communications.

Brad Taylor '03 B.S., director of sales for Special Moments Catering, was appointed to the Tempe Chamber of Commerce board of directors.

◆ **Jacquelyn Ahrenberg '02 B.S.** accepted a position with the Rayvan Group that provides consulting services to assist the development of nonprofit organizations.

Brett Helgeson '02 M.B.A., president and managing partner at Adopt Technologies, was named among the Phoenix Business Journal's AZ Top Tech Exec Awards 2016 as the Rising Star winner.

Cate Hinkle '02 B.S.D., formerly a member of the interim leadership team for Theater Works, accepted a permanent position as managing director for the organization.



Melissa Ho '01 B.A., '01 B.S., a shareholder in the Phoenix law offices of Polsinelli, earned a ranking in Chambers USA in the category of Litigation: White-Collar Crime and Government Investigations.



Steve Wagner '01 B.S., '01 B.S., '02 M.S. became a partner at Fletcher Struse Fickbohm and Marvel, an estate planning law firm in Tucson, Ariz.

Diane Webster '01 B.A., an attorney with Hinshaw & Culbertson LLP, was appointed office partner-in-charge of the firm's Chicago office.

Kimberly J. Yee '01 M.P.A., an Arizona State Senator and chair of the Committee on Commerce and Workforce Development, was named by CQ Roll Call among the 25 Most Influential Women in State Politics.

Brook Carter Larson '00 D.M.A., artistic director of the Orpheus Male Chorus and founding director of ASU's Sun Devil Singers and the Men's Chorus, was named Choral Director of the Year by the Arizona Chapter of the American Choral Directors Association.

1990s

Ed Baker '99 B.A., senior online communications strategist with Salt River Project, was appointed for a second three-year term as vice president of the Tempe Community Action Agency board of directors.

Allison Konrath '99 B.S., a certified public accountant and certified equity professional, accepted a position as senior manager of SEC reporting and technical accounting with RiceBran Technologies in Scottsdale, Ariz.

Barbara Lloyd '99 B.A., senior vice president with NAI Horizon, was appointed

secretary of the Tempe Community Action Agency board of directors.

Danny Riley '99 B.S., vice president of business development with ISOS Technology, was named among the Phoenix Business Journal's AZ Top Tech Exec Awards 2016 as the Tech Advocate winner.



Todd R. Smith '98 B.S., president of Westbrook Vision Center in Peoria, Ariz., was elected president of the Arizona Optometric Association.



Kevin Taylor '98 B.A., founder and managing director of seek first entertainment, a faith-friendly family entertainment company in Phoenix, produced the one-act play "Black Women Walking" that was performed at the Women's Theatre Festival of Memphis (Tenn.) in July 2016.



Alex Lane '97 M.B.A., a criminal defense attorney and lobbyist in Phoenix, received the 2016 President's Award from the State Bar of Arizona in recognition his efforts in support of the president's goal and priorities during the president's term of office.

David Entwistle '96 M.H.S.A., previously CEO at University of Utah Hospitals and Clinics, accepted an appointment as president and CEO of Stanford Health Care.

Tony Garcia '95 B.S.D., principal and architect for Asquared Studios in San Diego, announced the studio's selection among the four winners of the 25th annual Kitchens of the Year Award by San Diego Home/Garden/Lifestyle Magazine.



Phil Guttilla '95 J.D., '99 M.Tax., a shareholder in the Phoenix law offices of Polsinelli, earned a ranking in Chambers USA in the category of Corporate M&A.

James Murphy '98 B.S., '09 M.S., president of Willmeng Construction, was included in the 2016 Phoenix Business Journal list of Most Admired Leaders.

Christopher Breitmeyer '94 M.S., formerly vice president of academic and student affairs at St. Charles Community College, accepted a position as president of Clatsop Community College in Astoria, Ore.



Rex Reynolds '95 B.A. opened Employer and Personal Insurance Coverages (EPIC) in Phoenix in January 2016, a business which offers customized insurance services.

Dan Fahey '93 Ph.D., professor emeritus at California State University – San Bernardino and former hospital and medical group administrator, received the Distinguished Service Award from the American College of Healthcare Executives and San Diego Organization of Healthcare Leaders. Fahey continues to teach graduate courses at CSU San Bernardino and CSU Long Beach.

Michelle Parker '93 B.A., '95 M.A., '99 J.D., previously associate general counsel for Northern Arizona University, accepted a position as general counsel for that university.



Scott Sumners '93 B.S.P., '99 M.P.A., principal at Rider Levett Bucknall, was appointed to the City of Tempe Development Review Commission, which provides recommendations to the City Council and

renders final decisions on some issues.

♦ **Shana Ellis '92 B.S., '97 M.P.A.**, president and CEO of the Centers for Habilitation in Tempe, Ariz., received the Don Carlos Humanitarian Award from the city of Tempe.



♦ **Russ Korcuska '92 B.S.**, previously director of market development with Kitchell, was promoted to the company's vice president of national projects.

Adriana Sanford '92 B.A. is a regular on-air contributor on "CNN DINERO," the most watched CNN show by Hispanics in the United States and Latin America. She also was elected to the Amnesty International USA board of directors for a three-year term that began in September.

Tonja Ihlenfeldt '91 B.A., '91 B.F.A., an artist in Mason City, Iowa, won second place in mixed media for her work, "Des Moines Cityscape," at the Iowa State Fair. A second work also was selected for the show but did not place. In her recent work, Ihlenfeldt prints photos on canvas and paints over parts of them with oil paint.

♦ **Beth Ryan '91 B.A.**, a leader with Disney VolunteERS and the ASU Los Angeles alumni chapter, was honored by The Bay Foundation in Santa Monica, Calif., for volunteer work in that geographic area.

Mary Sweeney Frazee '90 B.S.N., '98 M.S., an OB/GYN nurse practitioner with OB/GYN ultrasound certification, joined the Arcadia Well Woman practice in Scottsdale, Ariz.

1980s

♦ **David Adame '86 B.S.**, president/CEO of Chicanos Por La Causa, was included in the 2016 Phoenix Business Journal list of Most Admired Leaders.



Steve Bailey '89 B.S., '89 B.S., a lieutenant colonel in the U. S. Air Force and a recent distinguished graduate of the National Defense University, earned a master's degree in government information leadership – cyberspace strategies and certification as chief information security officer in June.



Griff Stone '89 B.S., a U.S. Border Patrol (USBP) Agent for the past 18 years, attended Emergency Medical Technician School in order to receive an EMT Certification. He has served on special units ranging from maritime to flight settings

and has performed collateral duty as a USBP national recruiter. He holds also a master's degree in political science, with an emphasis in international relations.

Sy Kolman '87 M.S., an Idaho-licensed attorney for 52 years, was awarded his 50-year plaque by the Idaho State Bar and now is semi-retired and living in Green Valley, Ariz.



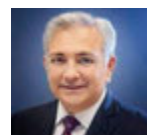
♦ **Dallas Eubanks '88 B.S.**, recruiting operations officer for ASU's Army ROTC program, was inducted into the inaugural 2016 class of the U.S. Army ROTC National Hall of Fame at Fort Knox, Ky. Selection

to the hall of fame recognizes his character, distinguished service and meritorious contribution to the nation.

Lynette Nowlan '87 B.S., formerly assistant director for process administration with the Arizona Department of Revenue, accepted a position as finance director for Cochise County.

♦ **Amy Young Murray '86 B.A.** was elected to the Cincinnati City Council for a four-year term. She serves as chair of the Major Transportation and Regional Cooperation Committee.

Joy Rich '86 B.S., '90 M.P.A., formerly deputy county manager for Maricopa County, was appointed manager of the county on May 30.



♦ **Eddie Goitia '85 B.S.** was promoted from CFO to CEO at Tilted Kilt, a Tempe-based company with locations in 30 states and in Canada.

Laurel Arndt '84 B.S., '99 M.E.P. accepted a position with the Sonoran Institute as project manager for the Sun Corridor Legacy Program. She will work on conservation and open space regional planning within Maricopa County.



Jack Blanchard '84 B.S., professor and chair of the Department of Psychology at the University of Maryland, College Park, holds the inaugural Joel and Kim Feller Professorship in the university's College of Behavioral and Social Sciences.

♦ **Randal Kaufman '84 B.S.** is a residential loan officer with Eagle Home Mortgage in Scottsdale, Ariz.

♦ **Vada Manager '83 B.S.**, president and CEO of Manager Global Consulting Group, was named to the "Savoy Magazine Power 300: 2016 Most Influential Black Corporate Directors" that identifies leading African-American executives, influencers and achievers who contribute leadership to corporate boards.

Jeff A. Meyer '83 B.S., president of Desert Care Landscape Resources, LLC, was elected president of the Cactus League Baseball Association for a two-year term that began on July 1.



Joanne Schlosser '81 B.S., '88 M.B.A., president of Rising Stars LLC, a leadership development and executive coaching firm, was board certified as a Fellow in the American College of Healthcare Executives and earned Professional

Coaching Certification from the International Coach Federation. Schlosser serves also as vice president of membership services for the Arizona Healthcare Executives.



Stan Smith '81 Ph.D., professor of life sciences and associate vice president of research at the University of Nevada-Las Vegas, was appointed dean of the College of Sciences at that university.



♦ **Kathleen Duffy Ybarra '81 B.A.**, founder and president of the Duffy Group, Inc., celebrated her company's 25th anniversary with employees by packing food boxes at St. Mary's Food Bank and participating in a company retreat.

♦ **Shannon E. Perry '80 Ph.D.**, professor emerita at San Francisco State University, was the subject of a recent article in the Peoria Journal Star (Ill.) about her participation in the first helicopter transport of a critically ill baby. Perry was the lone caregiver on the flight from Zion, Ill., to the then St. Francis Hospital neonatal intensive care unit.

1970s

♦ **Pete Bolton '75 B.S.**, executive vice president and managing director of Newmark Grubb Knigh Frank; **Michael Hughes '75 B.A.E.**, CEO of A New Leaf; and ♦ **Morris Stein '77 B.Arch.**, principal of HKS, Inc., were included in the 2016 Phoenix Business Journal list of Most Admired Leaders.

♦ **Darilyn R. Rowan '79 B.A., '85 M.Ed.**, professor of fine arts and photography at El Camino College in Los Angeles, received a finalist award in the 2015 Photographer's Forum Best of Photography international competition. The photograph was published in the Photographer's Forum Best of Photography Annual: 2015.



♦ **Darlene D. Kagan '77 B.S., '85 M.Acc.**, founding shareholder, and ♦ **Debra Hunter '75 B.S.**, co-founder, of the CPA firm Hunter Hagan and Company, Ltd. in Scottsdale, Ariz., celebrated the firm's 31st anniversary

last July. Hagan advises clients in complex tax planning and estate and trust tax situations, and Hunter specializes in tax and consulting

services to closely held businesses. Both are active in community and professional service.

Ramon Elias '74 B.S., retired president and CEO of the Boys and Girls Clubs of the East Valley, received the Spirit of Tempe Award from the Tempe Chamber of Commerce in recognition of his lifetime achievement of service, dedication and contribution to the community and in honor of his hard work and strong commitment to improving the quality of life in Tempe.

Dave Mann '74 B.S. appeared in an episode of "The Real Housewives of Beverly Hills" in 2014 and will appear again during the current season.



♦ **Ron Hansen '73 B.S.**, chairman and CEO of Liberty Trust and Savings Bank in Durant, Iowa, was appointed superintendent of the Iowa Division of Banking by the state's governor.

Anna Arnett '70 B.A.E., '73 M.A.E., retired Mesa Public Schools teacher, earned a master's degree in creative writing from Wilkes University's Mesa, Ariz., campus in June and became, at age 91, the oldest person to receive a degree from that university. With her son, David Arnett, she founded a publishing company in Mesa.

1960s



♦ **Michael Young '69 B.S., '74 M.A.E.**, lead faculty area chair in psychology at the University of Phoenix, received the 2016 Rookie of the Year award from the Greater Phoenix Chapter of the American Red Cross.

♦ **Howard Pink '66 B. Mus.** performed 15 "Howard Pink and His Musical Garden Hoses" concerts in June for the Baton Rouge, La., summer reading program of cultural enrichment. The concerts were held at each of the 14 branch libraries in the system and at one summer camp.

♦ **Edward Delci '63 B.A., '83 M.S.W.** returned to Llacao, Ecuador, where, as a Peace Corps volunteer in 1965, he helped redesign and build a co-ed elementary school so that boys and girls could complete their early education and matriculate to high school. His return coordinated with the school's 50th anniversary.

Royce Youree '60 B.A.E., '63 M.A.E., former Sun Devil basketball player and retired high school and collegiate coach, was inducted into the Arizona Sports Hall of Fame on Oct. 27 at the Tempe Center for the Arts. Youree is also part of the the ASU Athletic Hall of Fame, the Pac-10 Hall of Honor and the National High School Athletic Coaches Hall of Fame.

1950s

♦ **Diane Burke Fessler '57 B.A.** announced the release in e-book format of her book, "No Time for Fear, Voices of American Military Nurses in World War II." First published in 1996 and now in its third printing, the book presents the oral histories of more than 100 army and navy nurses who served overseas during World War II.

Donald Adler '54 B.S. is retired from a 34-year career at Hughes Aircraft Company in Tucson. In the course of his career, he worked as advisor to the U.S. Air Force Ballistic Missile Program and with the SYCNOM Communication Satellite, Surveyor Lunar Lander (where he gave the final confirmation that the Lander was ready to launch and then monitored its successful flight via computer at Cape Canaveral) and TOW missile programs.

sun devil marriages



♦ **Andrea E. Flatley '03 B.A.**, president of ASU's Seattle alumni chapter, and P. Thomas Petrich were married on July 16, 2016 in Neshkoro, Wis. The couple is at home in Anacortes, Wash.



♦ **Samantha (Ferreira) Schultz '04 B.S., '04 B.A.E.** and ♦ **Jeremy Schultz '04 B.S., '12 M.B.A.** renewed their wedding vows on July 15, 2016, their tenth wedding anniversary, in ASU's Danforth Chapel.



Laura (Holso) Smith '11 B.S., '11 B.S. and **Robert Smith, Jr. '13 B.A.** were married on April 2, 2016, in Mesa, Ariz.

Amanda (Nossett) Haskell '11 B.A.E. and **Tyler Haskell '10 B.A., '10 B.A.** were married on July 16, 2016 in Flagstaff, Ariz.



Abigail Jade Daniel was born to ♦ Jeff Daniel '06 B.S. and Emily Daniel on July 20, 2016 in Newport Beach, Calif.



James Marco Pagnotta was born to Amanda (Badali) Pagnotta '09 B.A.E., '09 B.S., '10 M.Ed. and Michael Pagnotta on April 8, 2016.



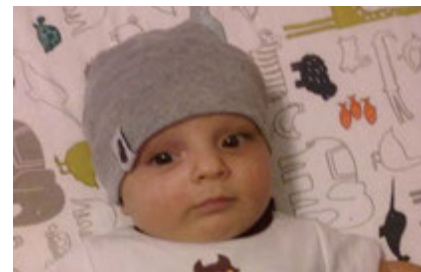
Madelyn Elizabeth Roe was born to ♦ Brendan Roe '09 B.S. and Tori Roe '07 B.S., '11 M.Ed. on May 13, 2016.



Alicia Rose Angulo was born to ♦ Michael Angulo '06 B.S. and Monica Angulo '05 B.A.E. on Dec. 1, 2015, in Chandler, Ariz.



Nathan James Applegate was born to ♦ Matthew Applegate '10 B.S. and Danielle Pingel Applegate '10 B.S. in Houston, Texas.



William P. Schmidt was born to Diana R. (Van Cott) Schmidt '07 B.A.E. and Billy Schmidt.



Emily Lyn Gore was born to ♦ Erin Gore '04 B.S. and ♦ Scott Gore '04 B.S. on March 6, 2016, and joined big brother, Logan, at home in Woodbridge, Va.



Madeline Millay Audrey Tetreault was born to ♦ Jenny Holsman Tetreault '00 B.S. and Colin Tetreault '05 B.S., '10 M.A. on April 27, 2016.



April Grace Smirnoff was born to Natalya Shkoda '01 M.M., '06 D.M.A. and Sergey Smirnov '12 Ph.D., both professors at California State University, Chico, on April 15, 2016, in Chico, Calif.



Brooks Sayer Thompson was born to Shane Thompson '04 B.S., '10 M.B.A. and Karyn Rhodes Thompson '05 B.A. on Jan. 24, 2016, in San Diego and joined big sister Avaneil.

Submitting a class note to ASU Magazine

ASU Magazine welcomes Class Notes about significant milestones in the lives of ASU alumni. Here are a few guidelines for submission.

1. Class Notes should be submitted by the alumnus/a himself or herself, or an official representative of an organization with which the alumnus/a is associated.
2. Class Notes submitted by a private third-party (such as family member) will be verified with the alumnus/a before publication.
3. Photos submitted for inclusion in Class Notes must be 500 KB to 1 MB in file size and a JPG or TIFF file.
4. All Class Notes will run in all platforms for ASU Magazine – including the print magazine and our online/mobile applications.
5. If submitting a Class Note via the U.S. Post Office, please do not send the originals of any materials you include.

How to submit a Class Note

Email: alumni@asu.edu

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



It takes a Victory Village ...

Sometimes a joyous occasion can create a ripple effect that presents an entirely new set of challenges. Such was definitely the case in 1945, when the end of World War II created a rapid influx of discharged soldiers who were intent upon getting a college education.

The enrollment at Arizona State College at Tempe in fall 1945 was a mere 553 students, but by the second semester, the student body had increased to 1,163. By the fall of 1946, there were 2,180 students. Two thirds of the new students were men, and 80 percent of those men were returning veterans, many of whom were married with small children.

Arizona State officials and alumni collaborated on a housing solution to accommodate so many new families. Dozens of decommissioned trailers that had served wartime purposes in Arizona were relocated to the southwest corner of campus, where Apache Boulevard curves eastward from Mill Avenue – where the concert venue ASU Gammage sits today.

Alfred Thomas Jr., co-author of *The ASU Story*, described Victory Village as “a colorful place,” and wrote of the place: “To go into Victory Village at night was to stumble over velocipedes and baby buggies and to step on squeaking toys ... To go there in the daytime was to find GI wives laundering and shopping cooperatively, babysitting each other’s offspring (many of the wives



attended classes), and pooling their scanty funds when government checks were late.”

Victory Village was the only student housing built at Arizona State between 1946 and 1950. It eventually was supplanted by numerous residence halls built in the early and mid-1950s, including McClintock Hall, Best Hall, Palo Verde Hall, and Wilson Hall. By 1959, the land was cleared to make way for ASU Gammage, which officially opened in 1964.

Photo courtesy of University Archives, Arizona State University Libraries.

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George Lopez &
ASU Film Students



Nia Vardalos (*My Big Fat Greek Wedding*) with students on set

Coming Soon to a Theater Near You!

ASU Film Spark is proud to announce the premiere of its first feature film, ***CAR DOGS***, which gave 85 ASU students and 15 alumni the chance to learn filmmaking on an actual film set from a Hollywood cast and crew.



John Jackson, ASU Alum and
Casting Director of *Sideways*