

CALS Life

A Publication for Friends of the UA College of Agriculture & Life Sciences

HOMECOMING 2018

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As I write this, we're on the eve of our 2018-19 academic year, a time when journeys of learning and personal growth begin anew for our incoming freshmen and continue for upperclassmen and graduate students.

It is a season full of energy and excitement. In thinking about our current students and their paths to the future, I continue to be deeply awed and humbled by the breadth and depth of your inspiring accomplishments as CALS Alumni.

You span all 50 states and nearly 100 countries, and you have made an extraordinary impact worldwide putting science to work in agriculture, technology, retailing, family relationships, medicine, business, and so much more!

I would like to share with you just a few of the positive things happening in our college and in the Division of Agriculture, Life and Veterinary Sciences, and Cooperative Extension:

- » Undergraduate enrollment will grow 5.3 percent this year, giving us more than 3,400 students in the college.
- » We've added new degree programs in Nutrition & Food Systems and Food Safety, enabling graduates to protect consumers and the world's food supply and help people learn more about healthy lifestyles. Learn more at foodsystems.arizona.edu and foodsafety.arizona.edu.
- » We are working toward the goal of opening the College of Veterinary Medicine, headquartered in Oro Valley, in 2020. It will be Arizona's first public veterinary school. Learn more at vetmed.arizona.edu.

And we continue every day to create opportunities and experiences for our students that will prepare them to not only be employable, but do jobs that don't yet exist and most importantly create new jobs for others.

I encourage you to visit our website cals.arizona.edu to learn more about these new programs and stay updated on college news.



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CONGRATULATIONS!

A good time was had by all at the 2018 CALS Spring Awards Dinner which took place on Saturday, May 12, 2018, at Hacienda Del Sol Resort in Tucson. More than 125 people gathered to recognize the achievements of friends and colleagues who were honored by the College. Alumni and friends of CALS were honored for incredible achievements at various stages in their chosen careers as well as long-standing support of the University and CALS.

One of the most prestigious awards bestowed by the College is the Eugene G. Sander Lifetime Achievement Award. This year's recipients were Andy Groseta, Sam Perricone and Miley Gonzalez (pictured).

Congratulations to all recipients, and many thanks for your support of CALS and its students!

2018 Award Winners

Bottom Row Left to Right:

Patricia F. Raskob – Friend of CALS Award

Dr. Daniel A. McDonald – Outstanding Achiever Award

Dr. Miley Gonzalez – Eugene G. Sander Lifetime Achievement Award

Middle Row Left to Right:

Twig and Shirley Winkle – Extensionist of the Year

Andy Groseta - Eugene G. Sander Lifetime Achievement Award

Jon Kai for The Kai Family – Heritage Family Award

Back Row:

Dr. Eddie Joe Sullivan – Alumni Achievement Award

Whitney Wilkening – Early Achiever Award

Lee Dueringer – Outstanding Efforts in Development Award

Sam Perricone – Eugene G. Sander Lifetime Achievement Award

Not Pictured:

Kevin Lewis – Alumni Achievement Award





DAIRY DYNASTY

Dugans built one of Arizona's largest, most successful operations

"We were up milking the cows every day before school and again right after school. We learned early on the significance of having a good work ethic."

THE STORY OF THE DUGAN DAIRY DYNASTY BEGINS MORE THAN 50 YEARS AGO IN EASTERN WISCONSIN. IT CONTINUES TODAY IN ARIZONA AS ONE OF THE STATE'S MOST SUCCESSFUL OPERATIONS.

Mike and Delores Dugan started out milking nine Holsteins near their hometown of Manitowoc. In 1962, they made the decision to venture west in hopes of improving their quality of life. The Dugans and their six young boys settled in Chandler and began their new operation with 200 cows.

The Dugans instilled in their sons the importance of working hard to be successful. Recalls Dennis Dugan: "We were up milking the cows every day before school and again right after school. We learned early on the significance of having a good work ethic."

Mike and Delores wanted to ensure each of their sons' success. So one by one, they brought the boys into the family business with their own farm, offering guidance and support.

The Dugans and their sons eventually built combined operations of more than

20,000 cows, and now a third generation is continuing the tradition.

"None of this would be possible without them," Dennis says.

Dennis was the first Dugan to graduate, earning a bachelor's degree in agriculture education from the UA in 1972. He worked for a time as a high school ag teacher and insurance salesman, before returning to the family business in 1978.

The Dugan family always cared deeply about their community and made involvement and charity a high priority. Four years ago, Dennis established The Pinal 40, a group of professionals that supports children's charities in Pinal County. Richard Dugan, also a UA alum ('75), served as mayor of Chandler in the early 70s.

Dugan family members have been major financial supporters to the renovations being done at the Animal and Comparative Biomedical Sciences building, which was constructed in the 1960s and was in dire need of a facelift.

With a projected completion of December 2018, the newly renovated space will house a high-tech, state-of-the-art Dugan Family



Back left Patrick, Thomas, Dennis, Richard, Daniel, Michael. Front, Mom(Delores), Dad (Michael)



Dugan family members have been major financial supporters to the renovations being done at the Animal and Comparative Biomedical Sciences building

Advising Center as well as the Dugan Family Business Office. The Advising Center will contain six offices that will represent the existing four majors within the unit, with the potential to add more offices. The updated advising space will offer the students all the support and amenities required to pave the way for their college careers and beyond.

It was important for the Dugan family to give back to the UA, Dennis says. “We wanted to show support to the ag industry and the people who have been so great to our family throughout the years.”

For information on supporting capital projects within the college or giving back in other ways, please contact Leanne Doyle, associate director of development at (520) 621-7873.



The B.S. in Nutrition and Food Systems tackles challenges of feeding a growing global population

Where does our food come from? How is it produced, processed, distributed, and consumed? How do cultural values, government policies, and economic realities influence food availability and public health?

The UA Department of Nutritional Sciences offers undergraduate students the opportunity to seek answers to questions like these with their new Bachelor of Science in Nutrition and Food Systems. The new degree program will expose students to the many complexities of our food system, and they will be uniquely well-prepared to address some of the difficulties faced by populations in areas where water is scarce.

“We currently grow enough food to feed every person on the planet, yet there are millions who are food insecure,” says Veronica Mullins, assistant professor of practice in nutritional sciences and one of the program’s architects. “This is a functional problem of the food system. It is our desire to train students to think critically and understand the intricacies of the food system so they can have a positive impact and play a role in solving food system challenges.”



Learn more about the program at foodsystems.arizona.edu

SCIENTIST SPOTLIGHT

*Kathleen Prudic, Ph.D.
Assistant Research Professor
Entomology Department*



Professor Prudic researches pollinator ecology and conservation, especially butterflies. Butterflies are critical to many organisms' survival and success, and they are good indicators of pollinator health over continents.

Kathleen 'Katy' Prudic sprints across the field, butterfly net trailing behind her like Casper the Friendly Ghost. Professor Prudic has spotted a queen butterfly nectaring on the desert milkweed—this will be her first catch of the day. With a swift backhand, she captures the queen and quickly removes it from the bottom of the net in a flurry of practiced movements.

"Here, you gently hold it behind its head near its thorax," explains Prudic. "This way you don't damage the wings. They need those wings to look pretty so they can attract a mate."

She quickly takes a photo of the butterfly with her phone and uploads it to millions of other records using the iNaturalist app. The

application records location and suggests which species the butterfly is. This particular record will be associated with the UA Pollinators Project, a way for students, visitors, and faculty to record where and when a variety of pollinators are on campus.

Prudic researches pollinator ecology and conservation, especially butterflies, which are critical to many organisms' survival and success. Her research has been published in prestigious journals such as *Science*, *Proceedings of the National Academy*, and *Proceedings of the Royal Society London*.

Prudic encourages citizen science, where anyone with a little instruction can contribute to scientific discovery. She believes a collaboration between you and your smartphone holds the key to a new kind of conservation approach which could save animals from extinction.

When she is not at her day job as UA Entomology faculty member, Prudic grows kombucha scoby, creates drinking vinegar shrubs, and watches birds. She played three semi-professional sports (basketball, soccer, and roller derby) and still enjoys a full-contact workout. She speaks two languages, codes two languages, and dreams in all of them.



New Norton School undergraduate degree will fill need for financial literacy in Arizona

The program is the first of its kind to be offered at an Arizona public university.

Financial planning is one of the fastest-growing career fields in the U.S., with a job outlook of approximately 30 percent growth for 2014–2024, according to the U.S. Bureau of Labor Statistics.

In response to this, the Norton School of Family and Consumer Sciences has created a new degree in personal and family financial planning, or PFFP. The program is the first of its kind to be offered at an Arizona public university.

CFP® Board-Registered Program

Norton School faculty worked with members of the Certified Financial Planning Board of Standards Inc., or CFP® Board, to create specific core courses that would ensure graduates of the program will not only be able to enter the field of financial planning upon graduation, they also will qualify to sit for the Certified Financial Planner (CFP) certification examination. The UA has been approved by the CFP® Board to provide this new financial planning undergraduate degree program.

Core courses developed in accordance with the CFP® Board include personal and family financial planning, applied family investment planning and savings, personal and family estate planning, and applied



“I firmly believe we need to educate people about money — what it can and can’t do,” — Richard Rosen, UA professor of practice in retailing and consumer sciences.

personal and family income tax planning. An internship and capstone proficiency class in family and personal financial plan development also are required.

“As student interest in financial planning as a career continues to grow, we anticipate that the UA’s program will contribute significantly to the number of qualified candidates seeking to attain the CFP® certification,” said CFP® Board chairman Richard Salmen.

The CFP® Board is a Washington, D.C.-based independent 501(c)(3) nonprofit organization whose mission is to benefit the public by granting, upholding, and promoting CFP® certification.



Learn more about our new Personal and Financial Family Planning program at cals.arizona.edu/fcs/pffp



COME HOME FOR HOMECOMING!

Reunite with classmates, explore new Forbes lobby, enjoy breakfast with your CALS family



Homecoming is a much-anticipated time of year at the University of Arizona.

Campus is buzzing with activity and excitement. Parents and alumni cannot wait to visit to see what their students have been up to and to witness the changes occurring all around them. We look forward to making 2018 another memorable chapter in Homecoming history.

Announcing exciting changes to the CALS Homecoming Breakfast

Many years ago, a wonderful Homecoming tradition began in the Forbes Courtyard, which you know today as the “Almost World Famous” Dean’s Burrito Breakfast and Alumni Auction. This breakfast was established to welcome our alumni back to campus; to visit with beloved friends, colleagues, and professors; and to see what was new and exciting at their alma mater. We are excited to announce that we are bringing the breakfast back to its roots.

The CALS Come Home for Homecoming Alumni Breakfast will be held at the Forbes Building from 7:30 a.m. to 10 a.m. Saturday, October 27, 2018. Although there will be opportunities to donate to the college, the auction has been replaced with special celebration, reunion, and recognition activities.

GETTING BACK TO OUR ROOTS

We were the first—CALs Ambassadors celebrate their history and look to the future



This year, the CALs Ambassador program is celebrating its 25th anniversary. With the celebration comes a few things: nostalgia, remembrance, hope, and excitement.

In 1992, a new academic dean, David Shoup, joined CALs from Florida State University, bringing with him a new program for which students could support their college and grow as individuals. He then enlisted Jack Elliot, a faculty member in the Agriculture Education department, to help create the program, which launched in the fall semester of 1993.

Their goals were not only to recruit prospective students to the UA, but also to teach high school students what being a part of CALs means, while learning teamwork and leadership skills as individuals.

Professor Elliot elaborates, “If you were to put a fork in the road, one fork would go to supporting the college, recruiting, and communicating that the college is more than farming; the other fork is basically reversed in terms of focusing on personal development for the ambassadors such as teamwork, leadership and more.”

“I felt so special being a CALs ambassador,” recalls Kasey Urquidez, vice president of enrollment management & student affairs, and dean of undergraduate admissions at the University of Arizona.

“One of my favorite things included getting to go out-of-town to college fairs and high schools to recruit prospective students, which led me to my career today!” adds Kasey Urquidez.



“I felt so special being a CALs ambassador,” recalls Kasey Urquidez

Another ambassador alum, Clint McCall, vice president of principal giving, boasts about the program’s original leader, “My favorite thing about being an ambassador was Jack Elliot. Hands down. He made the experience.”

CALs alumni and current ambassadors will celebrate at the “Come Home for Homecoming” breakfast event during Homecoming weekend from 7:30-10 a.m. on Oct. 27.



HERITAGE & TRADITIONS CLASS CREATING “WILDCATS FOR LIFE”

DID YOU KNOW WILBUR IS NOT THE UA'S ORIGINAL MASCOT?

You would if you had taken AED 295B Heritage & Traditions of The University of Arizona. The original mascot was Rufus, an actual bobcat purchased with funds raised by the football team in 1915. How did Rufus get his name? How much was he purchased for? You'll have to take the class to learn more.

The story of Wilbur is just one fun fact that is included in the curriculum. The idea of a traditions class was first brought up at an Alumni and Foundation Board meeting in 1998. The group wanted a way for students to become connected to the university and stay connected long after they were students. It was a way to create a “Wildcat for Life.”

The class debuted in the Fall of 1999 with 28 students enrolled. Today there are an estimated 275 students who enroll in the class, which is offered during both Spring and Fall semesters.

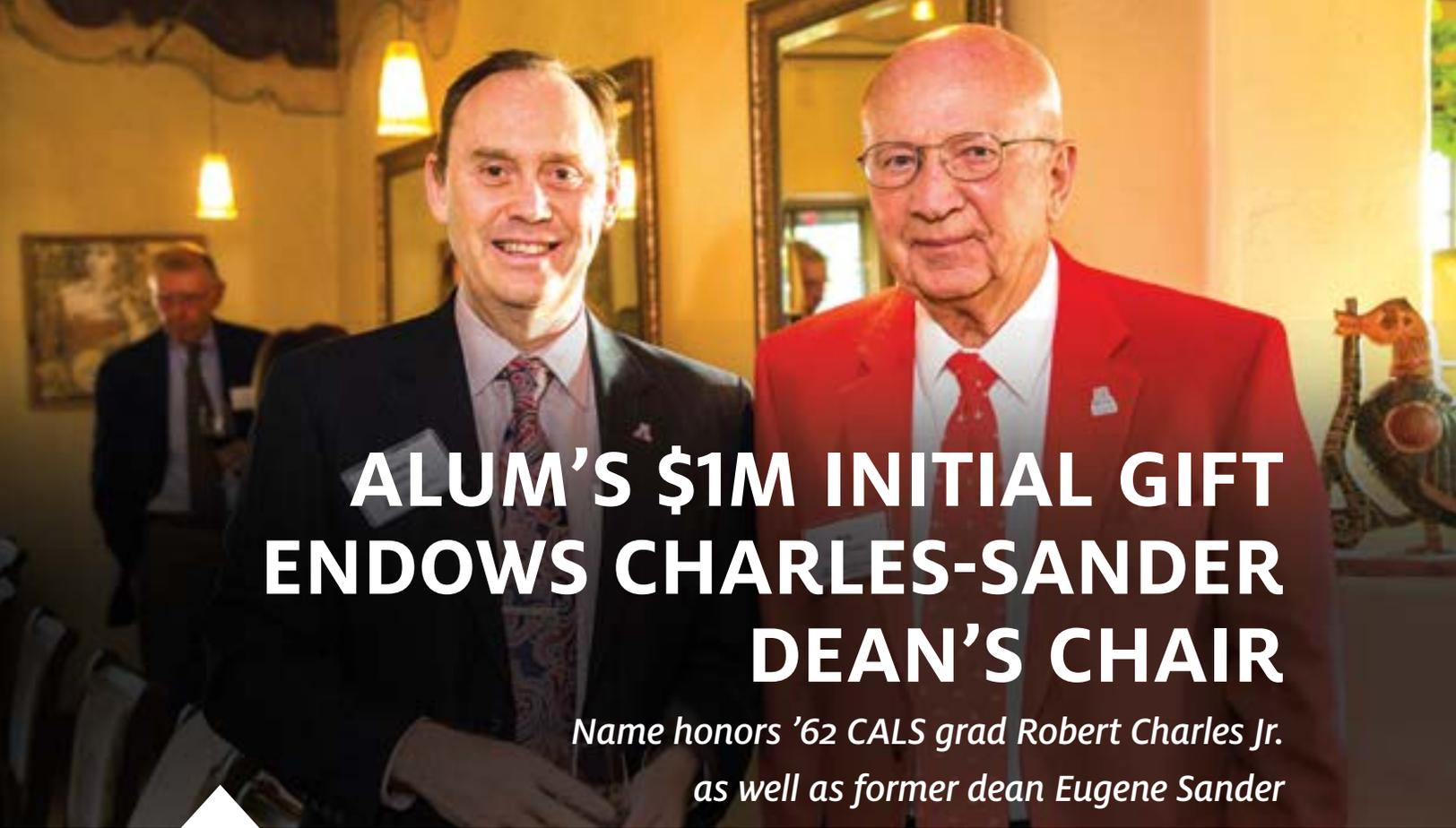
UA alum Tom Keating was one of the students who presented the idea of a traditions class to former CALS Dean Gene Sander, and he has been a regular lecturer for years.

Tom has such a high affinity for the class that in 2016 he established an Endowment Match

in support of the class. He will match every dollar donated in support of the course up to \$100,000.

If you're interested in learning more about the course or wish to contribute to the endowment match, please contact Leanne Doyle in the CALS Alumni & Development office at: (520) 621-7873.





ALUM'S \$1M INITIAL GIFT ENDOWS CHARLES-SANDER DEAN'S CHAIR

*Name honors '62 CALS grad Robert Charles Jr.
as well as former dean Eugene Sander*



"Endowed dean's chairs like this one further the UA's ability to remain competitive because they enhance our ability to recruit and retain world-class faculty leaders and build our university endowment."—UA President Robert C. Robbins.

A new endowed dean's chair in CALS will support programs focused on innovation, entrepreneurship, and leadership for undergraduate and graduate students. The initial investment includes a \$1 million gift from CALS alumnus Robert F. Charles Jr. and his wife, Julia M. Charles. The Charles-Sander Dean's Chair will serve as a perpetual fund to attract and retain outstanding deans in the college.

Charles and his wife, who goes by "Judy," are known for their longtime philanthropy and service in communities and universities in Arizona and Colorado. Bob Charles earned a master's degree in horticulture from the

UA in 1962 and helped establish the rose garden in Tucson's Gene C. Reid Park. The couple managed the first McDonald's in Boulder, Colorado, which they later owned.

Bob Charles eventually operated 13 McDonald's franchises and is perhaps best known as co-creator of the McDonald's Happy Meal.

At the UA, he served on the UA Graduate Advisory Board and is a former member of the UA Foundation Board of Trustees and former president of the UA Alumni Association National Board of Directors.

The name of the new chair also honors Eugene G. Sander, the UA's 20th president and former CALS' dean. His tenure at the UA spanned 25 years, beginning with his arrival in 1987 and culminating with his service as UA president from 2011-2012.

Shane Burgess, vice president of agriculture, life and veterinary sciences and Cooperative Extension, and dean of the College of Agriculture and Life Sciences, is the first holder of the Charles-Sander Endowed Dean's Chair.

YUMA GROWERS WORKING TO HONOR PALUMBO

Whitefly scourges, aphid invasions, and Bagrada bug infestations: UA entomologist John Palumbo has saved Yuma's crops, community, and farming families' livelihoods from insect blights like these countless times. As Palumbo approaches 30 years of UA Extension service, two grateful farmers – Robby Barkley and Vic Smith – are leading an effort to create the John Palumbo Endowed Chair in Integrated Pest Management.

“Under John's leadership, we have made pest control decisions that have collectively saved Yuma growers, as well as growers all throughout the desert Southwest, hundreds of millions of dollars in farming costs,” Barkley and Smith said



Bagrada bug on broccoli

in a joint letter to their peers. “These invasive pests could have devastated our economy and our way of life.”

Proceeds from the endowment will provide Dr. Palumbo with additional emergency program funds each year, so he can continue to respond rapidly to threats. They will also help UA Cooperative Extension recruit and retain a talented integrated pest management expert in Yuma, in perpetuity.

Perhaps most importantly, the endowment will give public thanks to the man who has done so much for them, Barkley and Smith said.

“John has served all of us over the years in one capacity or another. He has worked around the clock when we were in crisis, he comes to our farms to teach, and has brought us the science and solutions we have needed to succeed,” they said. “Now it's time to stand up and demonstrate our appreciation and our respect to a man who has unfailingly served us so well, so that we may be better farmers and continue to feed the world far into the future.”

UA entomologist John Palumbo

UA ALUMNA BROWN HONORS LATE MOTHER'S WISHES THROUGH GIFTS TO COLLEGE OF VETERINARY MEDICINE

As a 1968 College of Nursing graduate, Carol Brown left Tucson to begin a successful career that eventually took her to South Carolina. She returned to Tucson only once, in 1970, but was always appreciative to the UA for her education.

A life of helping people and animals through her professional career and volunteerism, along with Carol's big heart and focus on education, has brought her to helping us launch the UA College of Veterinary Medicine (CVM). Later in her life, Carol embarked on a new interest in raising and training working dogs.

"This experience changed my life and led to my passion for working dogs. These special dogs are not only awesome companions, but extremely valuable in their work around the world, across every area of life, including protecting our military troops," says Carol. She understands the issues in the veterinary world and that change is needed. Carol is thrilled that the UA CVM is addressing many of those issues.

Carol's mother, Myrtle Hairfield, diligently saved and invested to fund her retirement years. The two often spoke of Myrtle's wishes for the money when she no longer needed it. "She wanted me to give it to causes/recipients who represented our interests," says Carol. "The University of Arizona was first on our list."

When Carol's mother passed away at the age of 91, Carol gave her first major gifts to the College of Nursing and the Arizona Health Sciences Library.

Carol explained, "I wanted to pay the College back for the outstanding education I received, and as a past scholarship recipient, pay it forward to help other nursing students pursue their careers."

Carol is focusing her next major gift to support the simulation lab and animal models for the CVM. "For today's environment, there is a total upheaval in the approach and technology that's needed. I truly believe simulation is the way to train people to care for animals," says Carol.



"I wanted to pay the College back for the outstanding education I received..."

Veterinarian student debt is a major problem, and in response Carol started the Dean's Scholarship for Veterinary Medicine Endowment.

"It is a privilege for me to be involved with the UA CVM, which I believe is on the right track with educating future veterinarians," says Carol.

For more information about the College of Veterinary Medicine, please contact Marianne Hadden, development director at (520) 621-3714, mariannehadden@email.arizona.edu.



REMEMBERING DR. JOHN BOYNTON, 1938 - 2018

We celebrate John Boynton, a plant geneticist who began his brilliant academic career as an undergraduate student in CALS. Later as a faculty member, he always cared deeply for our students, faculty, and staff. During his life, Boynton provided funds for graduate students to receive the same educational opportunities he did, and upon his passing, he dedicated over \$1 million toward this cause.

Raised in Tucson, Dr. Boynton attended UA, where he received his BS in Horticulture/Plant Breeding in 1960. He went on to earn a Ph.D. in Genetics from UC Davis. In 1968, John began a 33-year career at Duke University. He dedicated more than 30 years of service to the field of plant genetics, focusing on hereditary control



of organelle structure and function and genetics of photosynthetic adaptation.

John personally trained 15 doctoral students and 19 postdoctoral fellows, and he did not want to stop helping them when he retired. So, he established the John E. Boynton Graduate Fellowship Endowment in the School of Plant Sciences, providing fellowships and other support to graduate students.

With his last, planned gift to his endowment, Dr. Boynton ensured he will make a difference in perpetuity. Thank you, John!

REMEMBERING SHIRLEY JO HARRIS TAYLOR, 1933-2018

The University of Arizona community is remembering Shirley Jo Harris Taylor, who served the college for more than 45 years. Taylor passed away on May 16 at the age of 85.

Taylor attended the UA earning her bachelor's, master's, and doctoral degrees, and embarked on a career focused on educating and mentoring young people. She supported 4-H through her work on youth and adult leadership, volunteer management, and the development of curriculum guides about clothing, consumer economics, food preservation, and healthy adolescent relationships.

She also gave back to the university and her community by volunteering. Taylor served on the CALS Alumni Council Board of Directors and the Norton School Council of Alumni and Friends, as well as many other boards and committees. She

also served as a docent for 18 years at the Arizona-Sonora Desert Museum.

Taylor received many honors and awards recognizing her contributions including the CALS Lifetime Achievement Award and the UA Alumni Association Sydney S. Woods Award. In 2003, Shirley Jo and her husband Ralph R. Taylor, also a CALS faculty retiree, established the Alumni and Faculty Heritage Taylor Endowment which supports student professional development.





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‘THERE’S NOTHIN’ IN THE WORLD THAT FEELS LIKE COMIN’ HOME!’

*We want to bring a taste of
home to you*

We hope these lyrics from a recent country song describe how you feel about CALS and the time you spent here. We want to bring a taste of home to you as we host alumni gatherings throughout the Southwest this fall and spring.

We want to know what is important to you. What would you like to hear about when we visit your area? Perhaps you want to learn about specific research happening at CALS that can affect quality of life in your community. Or you know of a faculty member that specializes in research that is close to your heart.

Maybe you haven’t had the opportunity to meet Dean Shane Burgess and learn about the extraordinary vision he has for CALS, or you want a progress report on a program. Networking with other alumni might be what could benefit you the most. Let us know!

Our goal is to accomplish these things through gatherings with you in your area. If you have an idea or suggestion, we want to hear from you! You can contact the office of Development, Alumni, Advocacy & Corporate Relations at alumni@cals.arizona.edu.