

The Impact of Arizona 4-H



ARIZONA 4-H YOUTH FOUNDATION

ANNUAL REPORT 2021



THE UNIVERSITY OF ARIZONA
Cooperative Extension
4-H Youth Foundation





ARIZONA 4-H YOUTH FOUNDATION

TAKE THE OPPORTUNITY

Youth like Carter Mock from Page, Arizona, learn and grow through the opportunities offered by Arizona 4-H. The Arizona 4-H Youth Foundation helps supporters like you invest in these opportunities.

Your generous contributions of time and money supports 200,000 members from across Arizona to thrive no matter their spark.

When you give today, you ensure a 4-H program full of opportunities for youth like Carter.

**Take the
opportunity
to give today.**



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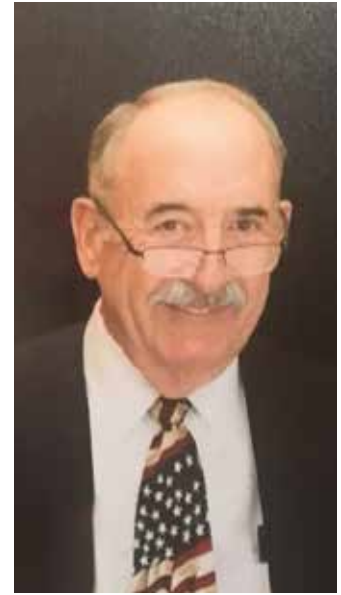


Top left: Kelly with six of his 13 grandchildren. **Above:** Cheryl and Kelly at the Imperial County Fair, California in the 1960's.

Top right: Kelly G. Keithly- Husband, Father, Grandfather, Great-grandfather, friend, mentor, teacher and a man of great Christian faith. February 25, 1945- September 20, 2021.

Our teacher, Kelly G. Keithly

'Paying it forward' is a simple concept: when someone is kind to you, you are in-turn then extending the same kindness to others. Kelly Keithly epitomizes 'paying it forward'. Kelly grew up in Flagstaff, Arizona where he was an active 4-Her. A couple months before his passing, Kelly reflected on the 4-H leader who sparked his passion for agriculture. He said, "I must give a great deal of credit for my success to my 4-H club leader, Stuart Houston. Over the 8 years I was in 4-H, he helped me deal with and mature in many areas all focused on my success in 4-H, and now life." Houston's inspiration combined with Kelly's passion, made Kelly a trailblazer for the agriculture industry.



After graduating from the University of Arizona with a B.S. in Agriculture and serving in the U.S. Naval Reserve, Kelly pioneered the advancement of hybrid seeds and what we now know as the standard vegetable seed distribution model in North America. Kelly joined his former employer, Walt Williams; they founded Keithly-Williams Seeds and Kelly later became President of Keithly-Williams Seeds, now serving three countries and employing over 300 people.

Kelly was a loving husband, father, grandfather, great grandfather, mentor, devout Christian and friend. He was committed to teaching and giving back to his community.

Kelly gave generously to the Arizona 4-H Youth Foundation over the course of his life. He explained, "I support 4-H because the framework that it provided, allowed me to become the person that I am today." He understood the importance of giving back. Kelly's generosity has afforded hundreds of 4-Hers the opportunity to have the 4-H mentorship and experiences that built Kelly's strong character. It is upon that very type of selflessness that the next generation of 4-H leaders is being built. We honor the legacy of Kelly Keithly whenever we remember to 'pay it forward' and dedicate our 2021 Annual Report to him. He taught us all. ■

Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Edward C. Martin, Interim Director, Extension & Economic Development, Division of Agriculture, Life and Veterinary Sciences, and Cooperative Extension, The University of Arizona.

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Ray Weick is shown with a 4-H youth and her prize barrow. Ray mentored hundreds of youth during his tenure as a Yuma County Extension Agent.

Mentor, leader & inspiring 4-H youth.

A Servant leader's focus is on the growth and well-being of the people and communities to which they belong. Through the course of his life, Ray Weick embodied servant leadership before the business world recognized it as the key to successful leadership. At the ripe age of 10, Ray became involved with 4-H where he grew his passion for gardening through his ag projects and became an impassioned camper.

During this time, Ray came across a 4-H leader, who would teach him the value of serving his community and shape his leadership style forever. Although his mentor died in World War II, Ray carried forth his legacy. After graduating high school, Ray served in the Navy. This experience afforded Ray the ability to attend college. Ray was proud to be the first member of his family to do so. It was during college, at South Dakota State College, where Ray met his soon-to-be wife, Eileen. Ray and Eileen bonded over their 4-H experiences and grew a family built on the four H's.

After college, Ray's leadership was called to Yuma Arizona to work for Arizona 4-H as the Yuma County Agent. The couple moved the far distance from South Dakota to Arizona so that Ray could continue serving others. As Eileen recounts, "(They) were pioneers who moved to Arizona at a time when there was no such thing as a 'snowbird'." Throughout Ray's career, he impacted many lives. Eileen recounts, "I think his way of working with people was to encourage them rather than be someone that told them you must do this and that. He encouraged them to have ideas of their own. Ray and Eileen Weick are longstanding donors to our foundation and we celebrate their giving legacy of paying it forward. ■"

Our 4-H family lost these Arizona pioneers in the last 15 months.

Betty Barney

1929-2020

Kelly Keithly

1945-2021

Raymond Weick

1927-2021



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extension.arizona.edu/4hfoundation

The wait is almost over. The Arizona 4-H License Plate is ready for its official debut.

The Arizona 4-H Youth Foundation has been busy developing new opportunities to support AZ 4-H. The foundation searched for a unique income stream and quickly got excited about a license plate which would also allow our 4-H family to share their love while building sustainable program funds.

After consulting with the AZMVD, the foundation began the process of designing the license plate and persuading the Arizona state legislature to approve its plan. Senator Sine Kerr and Representative Tim Dunn volunteered to write bills in their respective houses. Thanks to their support our director Deborah Lester and two Arizona 4-H State Ambassadors Amelia Brackett and Sadie Parent were given the opportunity to present to legislative committees. Their passionate speeches not only moved other 4-H alumni at the capitol to share their 4-H stories, it led to passage of our opportunity to produce the license plate. A committee chose a final design with a great color scheme and broader-than-4-H appeal.

You can expect the license plate to be available in March, 2022 along with Arizona 4-H license plate holders.



Follow our social media so you can be one of the first to show off your love of 4-H. ■



SCAN ME

Scan the code above for information about ordering your license plate and license plate frame.





Tim Bee, AZ4HYF Treasurer

Funding AZ 4-H Great 8

We're excited to bring you the news of what is happening with the Arizona 4-H Youth Foundation financially. Here are the highlights:

- Our investments have grown substantially this year and we now have \$2.8 million in endowments which supply monies for our 33 scholarships and investments towards each of the Great 8 Pathways.
- Donations increased to over \$135,000 and nearly outpaced our investment income of \$140,000 for the first time in decades.

- Governor Doug Ducey signed the 4-H specialty license plate “Empowering Today’s Youth” bill on March 26. This will mean another leg of stability for our 4-H programs. Our plates should be available by spring 2022. This means \$17 out of each \$25 plate will be an investment in the next generation of leaders, inventors, entrepreneurs, and problem solvers in Arizona 4-H.

- For the next six years 4-H volunteers will no longer have to pay for their background checks because of the Arizona 4-H Youth Foundation’s partnership with UArizona Cooperative Extension.

- It is now easier for 4-H youth and families to access the James 4-H Camp & Outdoor Education Center because the U.S. Forest Service paved nearly two miles of road and donors to the Arizona 4-H Youth Foundation supplied money to maintain the other four miles of unimproved road and to improve staff housing which is a significant step towards professional programming for 4-H youth throughout three seasons of Camp.

- Investments in Ag, Leadership, Civic Engagement, STEM, Healthy Living, Camping, Healthy Living and Community Service topped \$200,000 in 4-H programming.

- \$6,000 was awarded to 3 counties for new and innovative program ideas, including a 4-H metal-working facility, a 4-H Fab(rication) Lab, and video equipment to support virtual engagement to bring the Pima County Angel Charity for Children Educational Kitchen to youth across the state.

- We sadly report the loss of Kelly Keithly, one of our named annuitants, while celebrating his life and generosity to Arizona 4-H.

- All of this success while keeping our Administrative costs under 8%

- **Use the enclosed envelope or go to our website and click on the “Give Now” button. <https://www.extension.arizona.edu/4hfoundation>**

Thank you to our great 4-H family of donors who know the value of 4-H in young people’s lives. Thank you for your support and please give generously this year to ensure Arizona 4-H delivers on its goal of providing high-quality 4-H experiences to 20,000 True Leaders by 2025.

Trustees 2021 - 2022

Kari Petterson, President, Gilbert Landscape Designer & Manager, Rova Roofing Arizona 4-H Alumna

Michele Murphy, Vice President, Tucson Director of Development, UA College of Humanities Arizona 4-H Alumna

Tim Bee, Treasurer, Tucson Southern Arizona Director, Arizona Builders Alliance Arizona 4-H Alumnus

Wayne Mennetti, Secretary, Mesa Transportation Engineering Technician, AZ Department of Transportation, Maricopa County 4-H Leader

Wilton (Wil) Hall, Tucson Health & Wellness Program Manager, Banner Health Managing Member-Owner-Archer Bodyworks LLC

Melva DalMolin, Globe Southwest Gas Corporation Gila County 4-H Leader

Tom Peterson, Dewey Financial Consultant – Corporate CEO/CFO Yavapai County 4-H Leader

Taylor Rogers, Mesa Outreach and Constituent Services Representative Senator Mark Kelly Arizona 4-H Alumna

Ben Spratling, Mesa Vice President, Farm Credit West

Kristen Sharp, Oro Valley Events Director, Oro Valley Chamber of Commerce Missouri 4-H Alumna

Gregg Brummer, Scottsdale Sr. V. Pres.-Operations, Republic Services Iowa 4-H Alumnus

Investments - \$140,196

Donations - \$135,376

Restricted & Unrestricted

\$7,576

Cultural Understanding

\$9,097

Healthy Living

\$9,426

Civic Engagement

\$9,799 Camp

\$20,832 Community Service

\$22,985 STEM

\$29,030 Agriculture

\$36,165 Leadership



To donate or learn more, visit: extension.arizona.edu/4hfoundation

*Our Form 990 is available on our website.

Great 8 Pathway Impact

Here are key works in 2021

Every Arizona youth deserves a high-quality 4-H youth development experience. The Great Eight: Arizona 4-H Pathways of Participation for Thriving (The Great Eight) organizes the many ways 4-H youth participate in club and project work. Four of these pathways are the content mission mandates outlined by United States Department of Agriculture (i.e., Agriculture, Civic Engagement, Healthy Living, and STEM) and four are positive youth development experiences that foster a young person's trajectory towards thriving (i.e., Camping, Community Service, Cultural Understanding, and Leadership). Each of the Great Eight are comprised of many groups of projects, and educational and competitive events at the club, project, county, state, national, and international level. The Great Eight framework ensures the Arizona 4-H program is providing opportunities for youth to thrive and find Mastery no matter their spark or their community.

You will see that Arizona 4-H has made investments toward having at least one state-level educational event and state-level contests for each of the Great Eight. The 4-H club and county experience is where a 4-H youth member works along-side a project leader towards Mastery. State events and contests provide opportunities for youth to set goals and provide opportunities to take the next progressive step from club experiences, to county experiences, to state, and then when available National or even international experiences. Donors to the Arizona 4-H Youth Foundation have allowed reinvestments in experiences across the Great Eight, and enhance these learning opportunities. ■



Jeremy Elliott-Engel, Ph.D.
Associate Director,
4-H Youth Development

Agriculture

Launched the Copper State Livestock Judging Contests, the virtual Ag at Home website and webinars, and planning for the AZ 4-H Stock Show & Expo in 2022.

Camping

Remodeled Director's cabin, made road improvements, erected a two-room, on-bathroom Cook's Cabin and we invested in Shooting Sports capacity building.

STEM

Create original programming about technology, engineering and innovation skills needs for Greenhouse sustainability, Remotely Operated Vehicles, Carbon Reduction, Underwater Robotics and Lego Robotics. Youth trained youth in 11 counties in STEM programming.

Cultural Understanding

Selected an Arizona delegate for an outbound exchange experience to Japan and recruited host families for Japanese youth delegates to Arizona.

Leadership

Created Emerging Leaders Event for middle school youth, hosted 39th annual JOLT (Journey Of Leaders of Tomorrow) camp at James Camp and held career event at AZ 4-H Summit.

Community Service

Hosted AZ 4-H Summit community service project event and supported county service projects, like 4-H Rocks!

Civic Engagement

Created and hosted our first Day at the Capital (Engaged Citizens Event) for 4-H youth to learn about state government from Arizona legislators. Our newly re-established State Ambassadors testified in support of the 4-H specialty license plate legislation.

Healthy Living

The 4-H Healthy Living Ambassadors program goes statewide virtually and expands to Hopi. Pima County opens the Angel Charity for Children Educational Kitchen for teaching about foods from farm to table.

Leadership Has Its Own Path

Youth from around Arizona convened on the University of Arizona campus in Tucson last June for Arizona 4-H Summit, the first in-person state event since the beginning of the pandemic. Throughout the week, youth worked in teams to develop solutions to issues in their communities. On the end of program survey, 100% of youth participants responded affirmatively to "Adults in this 4-H program help me see the future possibilities for myself." Programs like Summit are essential for modeling leadership to help grow the next generation of Arizonans. ■

Leadership

Leadership is a cornerstone of Arizona 4-H. From each community to the State Capitol and beyond, Arizona 4-H Leaders pave a pathway for others. For example, we watched as 4-H Alumni State Representative Tim Dunn and Senator Sine Kerr join current 4-H State Ambassadors to inspire the legislature to pass the Arizona 4-H License Plate Bill. Additionally, 2021 was the first year for county STEM ambassadors who will serve their community. These successful displays of leadership are possible because Arizona 4-H develops leaders at every level. Whether supporting peers at a club meeting, planning and leading service projects, or participating in leadership programming, 4-H youth across Arizona are carrying responsibility on their shoulders with pride. ■

"Hello, my name is Carlos Delgado, and I am from Santa Cruz County. I am the Healthy Living Ambassador. This program has given a lot of learning and amazing experiences. I really enjoy working with my team."

Carlos Delgado, Healthy Living Ambassador, Santa Cruz

From Our Ambassadors Throughout Arizona

"I am the Arizona 4-H S.T.E.M Ambassador. However, I love working with Agriculture projects. The Ambassador program is the premier youth leadership opportunity for teens. I love working with my amazing team!"

Robert Day
STEM Ambassador, Gila

"My name is Ellie Pascavis and I am the Arizona 4-H State Ambassador President. I love showing my dogs and I look forward to working with 4-H'ers from across the state to help make the best better within Arizona 4-H."

Ellie Pascavis
State Ambassador President, Maricopa

"I am excited to inform 4-H youth about the vast range of opportunities and support available to them and advocate for equal funding of all four pillars of 4-H: civic engagement, S.T.E.M., agriculture, and healthy living."

Ellen Liebig
Foundation Ambassador, Maricopa

"Hi, my name is Benjamin Coleman and I am serving as this year's Agricultural Ambassador. The ambassador program is the premier leadership program in 4-H. I have been in 4-H for 9 years, and I have enjoyed every moment of it. I do hope that after I age out of the 4-H program, I will be able to keep involved in it, whether it's being a leader, or just helping out with my club. My future plans are even taking me to UofA in hopes to get a degree in Agriculture Education."

Benjamin Coleman,
Agriculture Ambassador, Maricopa

"Hello, my name is Andrés Villaseñor. I am from Santa Cruz County, and I am the Arizona 4-H Citizenship Ambassador. Being in the Ambassador program has made me realize that this is the premier youth leadership opportunity for Arizona teens."

Andrés Villaseñor, Civic Engagement Ambassador, Santa Cruz

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We support 4-H because Arizona 4-H builds leaders of tomorrow

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AZ 4-H Ag at Home Webinars

By Debbie Reed, Program Administrator
and Betsy Greene, Ph.D., Extension
Equine Specialist

When Dr. Betsy Greene and Ashley Wright envisioned, created, and hosted this series, their goal was to educate and engage the dedicated Arizona 4-H youth with livestock projects during the COVID shutdown. Their focus of providing science-based information, tied with specific tools, would allow youth to apply that knowledge to their project animals. Thank you to Ashley Jeffers-Sample Menges, Greenlee County 4-H Agent. She coordinated the species speakers who shared 4-H opportunities for each species presented.

From October 2020 - August of 2021, "AZ 4-H Ag at Home" hosted 15 webinars with a wide variety of topics. Participants attended from all over Arizona, the US, and there were international participants from Portugal and China.

A total of 490 attendees spent a cumulative 554 hours on Zoom learning more about how to care for livestock animals. Additionally, 734 viewers have watched the webinar recordings. Attendees found useful tips for caring for their animals.

Congratulations to 20 Webinar Warriors who attended 5 or more AZ 4-H Ag at Home live webinars! They all have received t-shirts! ■

If you missed any "AZ 4-H Ag at Home" webinars, or want to watch them again, visit <https://extension.arizona.edu/az-4-h-ag-home>



Photo courtesy of Show Bloom

Pathways For Youth Thriving

Arizona 4-H is proud of its hundred-year role in preparing the future agricultural workforce with the innovation, Science, Technology, Engineering, and Mathematic (STEM) skills needed to keep the Agricultural industry, and in turn our rural communities economically vibrant.

We are making investments in both animal and plant science projects to meet the needs of the industry and meet the 100+ year tradition of extending the research-based innovation developed at our land-grant university to every community across the state. We have plans for the Arizona 4-H Stock Show and Expo March 4-6, 2022, with an emphasis on knowledge contests and production in small and large livestock. In nearly every county across the state 4-H youth experienced record livestock sale prices due to incredible community support for the future of our agriculture industry.

Arizona 4-H plays an essential role in preparing agriculturally literate citizens no matter a 4-H'er's spark or their resulting career. To that end, Arizona 4-H professionals engaged 200,000 youth in hands-on, high-engagement learning through educational facilities like Maricopa Ag Center's Faul Ag-Ventures and Pima County's Tucson Village Farm. Our STEM programs of Greenhouse engineering and augmented reality floating farms, or our Bayer sponsored Ag Innovators allow youth from all backgrounds to explore the real-world challenges facing agriculture and to build an understanding of the ag industry and the STEM skills the industry needs. ■

Copper State Livestock Judging Series

by William Milashoski, UA Judging Coach

Exciting new opportunities for youth involved in the livestock industry came in the form of the Copper State Livestock Judging Series this fall.

The contests are designed to be an educational opportunity for students

to judge several classes of cattle, swine, sheep, and goats. Students from 4-H, FFA and others can compete in either a reasons or questions division to improve their note taking and communication skills. We are proud to give the opportunity to Arizona 4-Hers to improve their communication and reasoning skills, as well as gain confidence in their public speaking.

The first few contests this fall have consistently drawn more numbers each time with a total of 100 youth participating. Youth and those in the livestock industry have been quick to support these events and we look forward to hosting 3 more this spring. Join us at the Arizona 4-H Stock Show & Expo on March 4 - 6, 2022. ■



Photo courtesy of Show Bloom

Net Zero by 2050

Did You Know?

The dairy industry contributes only 2% of total US greenhouse gas emissions. Compared to 70 years ago, a gallon of milk today is produced using:

90%

less land

65%

less water

76%

less manure

63%

less GHG

We're always improving! By 2050, the US dairy industry commits to:

- ◆ Achieve **GHG neutrality** or better
- ◆ **Optimize water use** while maximizing recycling
- ◆ **Improve water quality** by optimizing utilization of manure and nutrients

Dairy = Environmental Solution



www.arizonamilk.org



Rebecca Bhasme, Nogales science teacher with completed greenhouse seed project

4-H STEM YOUiversity prepares future STEM Professionals

by Jerry Lopez, PhD., STEM Specialist

The Greenhouse Sustainable Energy and Engineering Design (SEED) Project was delivered in a hybrid semester-long hands-on problem-based learning experience. Seven teams worked in small groups at home or after school while Jose Fonseca, a University of Arizona Math Department Instructor, led the curriculum virtually through weekly zoom meetings. 4-H members and educators engaged in the engineering design process, technical drawing using scaled blueprint perspectives, 2D and 3D drawing. Participants also learned how to design and install circuits using sustainable energy technologies such as solar panels and wind turbines on their model scale greenhouse, while also realizing the importance of working in diverse teams by respecting each other's cultural backgrounds and ideas.

The first 4-H Underwater Robotics, Remotely Operated Vehicle (ROV) Project was delivered in partnership with Arizona Project WET (APW) Betsy Wilkening. After seven teams met weekly for 10-weeks and worked independently with support from parents, youth showcased their skills and ROVs by successfully completing tasks in a pool, as well as preparing a marketing display and an engineering presentation. Pinal County took the win with Jean-Leon and Ari Rademacher taking first place. Thanks to Bayer Crop Science our key partner in the STEM pathway, the Arizona 4-H Youth Foundation and all the 4-H Agents/Coordinators and staff who supported the program! ■



Curbing our Carbon Appetite Challenge

From top: Ayraza Pesqueira, Pamela Salcido, and Laysha Gonzales

Three high school students from Nogales, the border town of Santa Cruz County, were selected last Spring to lead the AZ State Team in the 4-H Ag Innovators Experience “Curbing our Carbon Appetite Challenge”, a series of interactive, hands-on activities to educate youth on why we all have a role to play in addressing climate change and ways to reduce carbon footprint in the environment.

Ayraza, Pamela and Laysha were trained by Dr. Jerry Lopez, Andie Rodriguez and members of the 4-H STEM Leadership Team so they could later deliver the 4-H AIE curriculum to the state team formed by 11 high school 4-H members located in different counties. Consequently, each student did outreach in their communities and reached the goal of 50 students each in grades 3-8. In addition, Dr. Nick Morris, with the help of Stacy DeVeau, Kim Johnson and Norma Elisa Ruiz provided educational sessions on “How to be a 4-H Stem Ambassador” and promote 4-H as well.

This experience was a fun statewide team effort! A big shout out to Ayraza, Pamela and Laysha for leading the state team and reaching their team goal of 150 students and more! Their presentations in Santa Cruz County were in English and Spanish; both virtually and in-person, to elementary, middle, and high school students. ■



Angel Charity for Children Invests to bring Farm-to-Table Education in Tucson

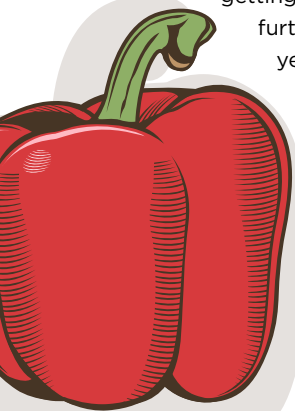
This summer saw the first in-person programming in the new Angel Charity for Children Culinary Education Center at the Campus Agriculture Center in Tucson, AZ. This gift was made through the UA College of Agriculture and Life Sciences.

The opening of the Angel Charity for Children Culinary Education Center was the culmination of years of planning and dreaming to create a certified teaching kitchen in the heart of Tucson. Pima County 4-H professionals were able to offer 16 different camp programs in this space and we were able to reach 421 youth campers in 2021 alone.

Youth and their families can engage in a real farm-to-fork experience at this Tucson Village Farm resource. Campers arrive in the morning to harvest fresh vegetables and then bring them into the kitchen and prepare a delicious lunch and a snack.

In addition to these camps, 4-H professionals have been able to start developing 8 acres into a working produce farm and learning center. This includes a 1,600-foot ramada, children's garden and composting area. We are thrilled to have this 4-H resource for the whole community. This fall has been filled with cooking classes, educational trainings and even a youth designed music festival! The Pima County 4-H professionals are just getting started, so stay tuned for further developments. For

years the Tucson Village Farm facility has been about horticulture but Liz Sparks, Pima County 4-H Associate Agent says, "Our dream is to have a dairy goat project here and we are working in 2022 to get that project rolling." ■



4-H Healthy Living Ambassadors Goes Statewide

The Pima County 4-H Healthy Living Ambassador program is a program designed for young people ages 12-18 where they learn to be instigators of change in the areas of leadership, healthy living and sustainability. Participants in this program attend one community club meeting per month and then select projects that fit their interest and schedule. In the fall of 2021, we have 97 youth enrolled in this project and participating in 13 different projects. Projects range from farm apprenticeship, international cuisine, African cooking, outdoor leadership and more. This fall a group of teens planned and facilitated a music festival called, "Tunes Under the Moon". ■



To donate or learn more, visit:
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Community Service

It's a good feeling that's disguised as hard work.

Gila County 4-Hers relax after moving 1,000 bales from the fire and flood ravaged Gryphon Ranch in early July. Who are these doers of good?! Why 4-Hers of course!

When it rains it pours 4-Hers

Jim and Carol Ptak moved to the Gryphon Ranch in 2018. Both originally from outside Buffalo, New York; Carol, a biologist by training and Jim an ordained minister who knew cattle. In 2018 they moved from Washington to the rough and rocky canyons of Globe.

This is hard country to raise cattle, but the Ptaks were up to the task. Carol was also a 20 year 4-H leader in Washington and is a first-year leader in Arizona. The Ptaks are used to success.

The Ptaks were also used to giving. They generously helped 4-H, they helped when neighbors were in need and they gave cheerfully to others, says Gila County interim director Renee Carstens. That was until this summer when the tables turned.

In June of 2021 they had finally come up against something they had never experienced before. The Mescal fire hit on

June 1st. Then the Telegraph fire hit on June 14th. The fires had wiped out the vegetation and fences, but their buildings and cattle were saved. But then came the floods.

July 3rd was the first flood and the fireman helped divert the waters and cattle were brought in by neighbors as the fences "were vaporized by the fires" says Carol. Without warning the second flood hit on July 4th.

Their barn was packed full of winter hay and with a foot of silt in the barn the wet hay was ready to combust if it wasn't moved quickly. They called every rental place within three counties to help them move the hay. Same answer, "Sorry, no equipment available to move your hay." Exhausted the Ptaks did the only thing left to do, they prayed.

Carol was a volunteer worker in Katrina, but says, "Its always different when it's you." They knew two 4-H kids were coming the next day, but they didn't know what they were going to do and how they might possibly save their hay. "At 9 am, the two kids were here," adds Carol. "By mid-day there were 20-25 kids here. We don't know where they came from! We didn't even know who they all are!" exclaimed Carol.

"The kids worked hard and realized how hard the work is," says Carol. We're in our 60's, we just couldn't do it!" The 4-Hers and adults moved 1,000 bales of hay that day.

The youth and a dozen adults saved the hay and the barn.

The Ptak story doesn't end here. They are working with Ashley Hall and others on the Range team at UA to do some actual research on the fire. Carol explains that there is a lack of fire/flood research, so we've volunteered our 1,000 acres and will use 4-H kids to do the different experiments. The Ptaks want to help other ranchers on state or federal land from ever having such devastating fires and flooding on their property. Full circle is a beautiful thing. ■

From left to right Toni DeAnda-Solberg, Renee Carstens, Amanda Olvera





Cultural Understanding

By Schuyler L. Germann

When I joined 4-H as a clover bud in rural Montana, I had no idea I was being roped into a community that would empower me to

make connections with peers and mentors from so many corners of the world. Unbeknownst to my mom, enrolling me in 4-H initiated a chain of events leading me all the way to a departure date for Tokyo and a yearlong internship working with Labo International Exchange Foundation in Japan.

With origins in 4-H projects like horses, swine, photography and citizenship, my 4-H story continued to grow beyond borders, both nationally and internationally. Experiences like hosting exchange students through States' 4-H International allowed me to learn about other cultures without physically travelling. The opportunity to travel abroad with 4-H on a summer exchange in Norway opened my mind unlike any other experience before. My perspective of history, heritage, and culture were shifted entirely.

In my experience, cultural understanding allows us to see beyond the stereotypes and into the heart of what makes others different, whether

that difference is rooted in culture, heritage, nationality, religion, race, gender, or general life experience. 4-H inspired me to not only learn about other cultures, it inspired me to learn more about myself. I began asking my family more about our heritage and any stories that I could find about where my family came from. To this end, 4-H opened my eyes as a global citizen and encouraged me to know who I am and where I come from.

After my powerful experiences as a twelve year 4-H member in Montana, my 4-H journey continued when I began my university studies in Arizona. I started as a working student for the Arizona 4-H Youth Foundation in 2018. While I noticed many differences between the Montana and Arizona programs, I was instantly welcomed into a community of changemakers and people striving to empower the next generation of leaders. I knew in that moment that my 4-H journey was not over yet. Through the past three years working with Arizona 4-H in different positions as a working student, AmeriCorps, and full-time employee, I was able to help with events and programs that brought youth from across the state together.

As I take the next turn on my journey to becoming a global citizen, I cannot help but reflect on the commonality in all my global experiences, 4-H. I now embark on an adventure to live and work in Japan as a 21-year-old because of the people along my 4-H journey who encouraged me to reach for each new opportunity. My understanding of diverse cultures and people will continue to grow, but I will always be grateful to my roots in 4-H that started me on my path to cultural understanding. ■



Why we give to Arizona 4-H

Ruth Osterlind and Patrick Fernandes are not former 4-Hers. Ruth was born in Arizona and was raised in a family that enjoyed nature and the outdoors. Hiking, camping and exploring Native American dwellings were their family vacations and she knows some of the best trails and places in our state. She attended ASU earning a degree in Horticulture and a Masters in Agri-Business Management. Her love of agriculture research led her to doing entomology work on Arizona cotton farms where she met Patrick, a drip irrigation specialist for western growers.

Ruth also worked in Christian based youth camps before meeting Patrick and has always felt the importance of inclusion and diversity in everything she did.

"In a world where we are so quick to judge others, we just prefer to be more tolerant and open," says Patrick. "We appreciate that 4-H serves all youth and that's why we give," adds Ruth. "We learned that the 4-H motto is to 'Make the Best Better' and that's what we think we are doing and so we applaud Arizona 4-H for being leaders in making this world a better and kinder place. It's just that simple." ■





Camping and Shooting Sports

Camp is a transformational experience where young people grow in their confidence, ability to problem solve, and build the opportunity to manage their emotions and that is before they even start learning the content during the camp. An educational opportunity like this, that does so much positive youth development is called a high-context environment. Arizona 4-H has a proud history of great camping program including specific events like J.O.L.T. Leadership Camp. Arizona 4-H is bringing camp to even more youth through investments in the University of Arizona owned facilities at James 4-H Camp; Outdoor Education Center (Mingus Springs, AZ) and Pine Combs 4-H Camp (Williams, AZ). In addition to facility investments, Arizona 4-H has also ensured youth access to camp by providing youth scholarships and developing camps that are hosted on Arizona's public university campus'. ■



In June, 2021 the Arizona 4-H Youth Foundation funded travel for five youth to Grand Island, Nebraska to participate in the 4-H Shooting Sports National Championship. We are so proud of the following youth for their achievements; Colleen Gately in Compound Archery, Joey Goncalves and Teague Deatherage both in Recurve Archery, and Gage McGraw and Hyatt Barnett both in Small Bore Pistol. We look forward to helping send more youth in 2022.

4-H partners with VFW for MTAC impact!

By Josh Farella, Coconino County 4-H Agent

Military youth do not have the same experience as other children. Their understanding of friendship, family, love, and loss is different by necessity. Moving around to different deployments, having a parent go overseas, experiencing unimaginable loss - these are realities that cut military youth from a different cloth. These unique life experiences are not all together negative - military youth that have never met often have profound common ground. Such commonalities can transcend the seemingly trivial dynamics of adolescent socialization and instead provide the basis for deep and powerful connections uncommon in many young people.

In Summer of 2020, AZ 4-H launched its first Military Teen Adventure Camp with support from USDA/NIFA and Purdue University. Youth from all over Arizona came and learned blacksmithing, how to shoot rifles and shotguns, leapt from a 45-foot high ropes challenge course, camped in the mountains of Arizona, and made new and lasting friendships. For many, it was their first 4-H experience, and we are proud to say they saw the best our program has to offer.

A truly remarkable aspect of this camp was the enthusiastic support of the veteran community. Arizona VFW and VFW Auxiliary members showed up to volunteer their time, provide lunches, donate tackle boxes, and hunt down ammo. In truest form, veteran families came to 4-H and insisted that they be put to work to care for, protect, and support their own.

In total AZ 4-H served 50 youth of military families in the 2021 Military Teen Adventure Camps. Each youth participated in a quality 4-H experience; but in truth the impact was far greater. Campers met friends that truly understood their life experience. They saw a larger military family that cared about their well-being. Often, the sacrifice asked of military youth is that of isolation. At MTAC, we believe campers left knowing that their family, their community, and 4-H were there to support them. That is the power and impact of 4-H. ■

Learning by Doing at the Arizona Legislature

Engaged Citizens Event (ECE) was the first time Arizona 4-H youth members were introduced to leadership in the Arizona House and Senate through educational opportunities that focused on learning the democratic process, state government, advocacy and career through a day of carefully coordinated Zoom meetings.

Twenty-seven (27) youth and ten (10) legislators participated. The legislators were interested in the concerns of the youth and the youth wanted to hear about the issues legislators were addressing and they wanted to learn about the career trajectory of legislators. The 4-Hers, with no



formal preparation for the event, engaged with legislators and in one conversation with one State Senator Sine Kerr helped her figure out who to implement an Agricultural Apprenticeship Bill (SB 1150). Arizona 4-H youth impressed Arizona 4-H legislators in attendance, especially if they had no previous experience with the program.

Senator Sine Kerr, Buckeye (LD-13) and Representative Tim Dunn of Yuma (LD-13, both pictured above) demonstrated that they are 4-H champions throughout ECE and the Specialty License Plate bill process. Without their leadership the “Empowering Today’s Youth” specialty license plate bill would not have been possible.

We asked our best talent, two outstanding 4-Hers, Arizona State 4-H Ambassador president Amelia Brackett and Communications Ambassador Sadie Parent and both stepped up for Arizona 4-H. These youth were supported by Tim Bee, the Arizona 4-H Youth Foundation Treasurer and past President of the Arizona Senate and Peter Hooper, Cochise County 4-H Agent also played a key role in prepping the 4-Hers to allow them to shine. With Tim’s guidance and work, combined with the excellent testimony given by Amelia and Sadie, we cleared initial legislative committees and joint sessions by a large majority. The Governor signed our bill, (SB1157) on March 26, 2021. ■

Engaged Citizens Event



Sadie Parent (top) and Amelia Brackett (bottom) testified for AZ 4-H at state legislative hearings via Zoom.

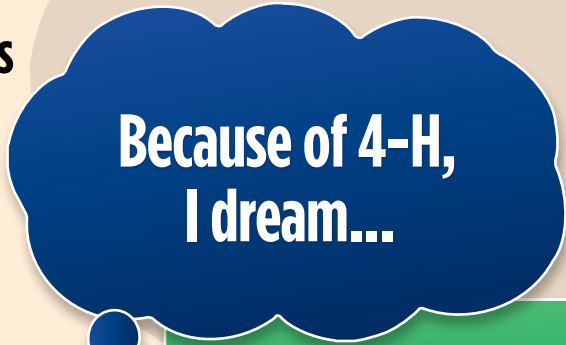
Support from Bill and Linda Brake, and Dwayne and Carol Dobson allowed the Arizona 4-H Youth Foundation to pay Arizona Motor Vehicle Division (MVD) the \$32,000 required to begin production of the 4-H “Empowering Today’s Youth” specialty license plate. **Thank you.**

“Liberty cannot be preserved without a general knowledge among the people, who have a right...and a desire to know.” **John Adams**



To donate or learn more, visit:
extension.arizona.edu/4hfoundation

2021 Donor Partners & Scholarship Winners



Because of 4-H,
I dream...

... "to one day be able to make some difference through chemistry research and this scholarship has made that much more likely."
Matthew Fosdick

County	Recipient Name	Scholarship Name
Pinal	Emily Goncalves	Becker Baguley
Pima	Marjorie Wells	Becker Baguley
Santa Cruz	Sarah Lyman	Betty Accomazzo Memorial
Mohave	Amelia Brackett	Colorado River Tribe 4-H Small Stock Merit
Pima	Kennady Paulter	Don Landeen Memorial
Pima	Benjamin Steller	Eugenia Scott & Ralph Rogers Hawthorne
Maricopa	Ashley Gabrielson	Eugenia Scott & Ralph Rogers Hawthorne
Pima	Brandon Torres	Farm Credit West/Carl Weiler Memorial
Pinal	Naiya Guin	Farm Credit West/Jake Flake Memorial

... "to double major in Spanish and Environmental Sustainability... spending my fourth year in Chile exploring the biodiversity...I plan to encourage people to help make our planet healthy and to quit activities that are rooted in financial greed with disregard for the average person..."
Ben Steller


Pinal	Hannah Skousen	Faul Millstone Ranch & Faul College Book Fund
Pinal	Isabella Navarro	Faul Millstone Ranch & Faul College Book Fund
Pinal	Sara Leighton	Faul Millstone Ranch & Faul College Book Fund
Pinal	Heide Kennedy	Faul Millstone Ranch & Faul College Book Fund
Pinal	Ashton Redd	Faul Millstone Ranch
Santa Cruz	Brianna Young	Jimmy Accomazzo Memorial
Mohave	Madelyn Goers	June Gibbs Memorial
Maricopa	Jessica Quesada	Leonard & Rita Cheatham
Yavapai	Jordyn Woodburn	Marge & Gene Bayless

Maricopa	Katie Pascavis	Marge & Gene Bayless
Coconino	Mia Hicky	Mildred & Larkin Fitch Merit
Yavapai	Heather Norvell	Mildred & Larkin Fitch Merit
Yuma	Brooke Robbins	Mildred & Larkin Fitch Merit
Pima	Alyssa Baller	Pima County Jr. Livestock Sales
Pima	Sadie Parent	Pima County Jr. Livestock Sales
Pima	Evelyn Mae Brown	Pima County 4-H Horse Project
Pima	Matthew Fosdick	Pima County 4-H Leaders Memorial
Pima	Virginia Moody	Ralph Hall Memorial
Cochise	Madison Michaels	Valley TeleCom
Cochise	Tanna Webster	Valley TeleCom

.... "to be granted the opportunity to chase my dreams and achieve every goal I have set for myself."
Jessica Quesada

... "to one day be able to make some difference through chemistry research and this scholarship has made that much more likely."
Ashley Gabrielson

"Education is the most powerful weapon which you can use to change the world"
Nelson Mandela



We've had a **BIG** fundraising year & we have you to thank!



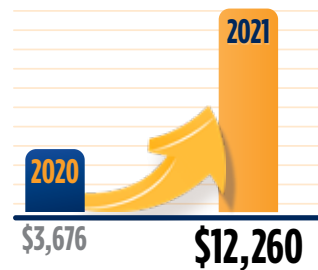
In 2021 we met brand new donors, welcomed back previous donors, and saw increased commitments from regular donors. Farm Credit West Vice President Ben Spratling shared the following:

"Farm Credit West has been a proud and consistent supporter of Arizona 4-H Youth Foundation for years. Due to our excitement about the direction of the 4-H program we decided it was time to increase our commitment in 2021. We are happy to be a part of the future of Arizona 4-H and look forward to watching leadership grow here for years to come."

Ben Spratling, Vice President, Farm Credit West



In 2021 we tripled our 2020 Arizona Gives Day fundraising amount and beat our goal by raising \$12,260. Our 4-H family also stepped up and set a new Arizona Gives Day average donation record of \$230.



We hosted our first special project campaign with a focus on the James 4-H Camp. The I Love CAMPAign raised funds for building improvements and youth scholarships.



Thank you dedicated 4-H donors!

The 2021-2022 4-H year is looking like another banner year. We hope to add more sustainability to our beloved Arizona 4-H to ensure traditional programs continue for another generation and new experiences are established.

Did you miss an opportunity to push our fundraising even further? Do you want to join the movement?

Follow us on social media to learn about current donor opportunities or visit our website to donate today.

Want to show your commitment with a business sponsorship?

Imagine your logo in front of the 4-H youth, leaders, and families at the Arizona 4-H Stock Show & Expo, State Dog Show, the Arizona 4-H Summit, or other event of your choice.

Want to leave a legacy?

You can support the future of 4-H with planned giving through wills, life insurance, and other opportunities.

Ask us about our planned giving options



To donate or learn more, visit: extension.arizona.edu/4hfoundation



Impacts, community, & connections

As a board our impact and aspirations continue to grow as in-person programming roars back to life and we reconnect with the people we love and the hands-on learning, events, and competitions that we cherish so deeply in the 4-H experience.

The positive 4-H experiences each trustee had as a youth continues to ignite our passion to give back to the organization that gave so much to us. This year the board of trustees continues to renew and expand connections and community ties, so we hope you'll say hello when you see us at your next county or state event and join us at the Clover Ball in June of 2022 and the State Fair Mixer in October 2022.

It's through these deep connections and our collective passion for the success of the Arizona 4-H program that we've grown our contributions year over year and are on pace for our first \$500,000+ budget in recent memory which is providing the funding for the expanded opportunities for our youth that you're reading about in this year-end update in state and national events, scholarships, and programming.

We are incredibly grateful for your ongoing financial support of the Arizona 4-H Youth Foundation and our efforts to support increased opportunity and programming. We are committed to ensuring today's youth have the amazing 4-H experiences that will inspire them through their adulthood. ■

Kari Petterson
President, Arizona 4-H Youth Foundation

Our Leadership Team

Arizona 4-H

- Jeremy Elliott-Engel, Ph.D.** – State Program Leader
- David Shafer** – State Events & Marketing Coordinator
- Gloria Blumanhourst** – Volunteer Management Coordinator
- Sandra Saad** – Magician, Contracts & Logistics for 4-H and Cooperative Extension, Assistant in Extension
- Dan Thomlinson** – James 4-H Camp Interim Director
- Jerry Lopez** – STEM Specialist
- Betsy Greene** – Equine Specialist
- Zane Campbell** – Student Talent

Arizona 4-H Youth Foundation

- Deborah Lester** – Director
- Nick Morris, Ph.D.** – Partner Relations Director
- Donna Wertman** – Bookkeeper
- Cameron Compertore** – Student Talent

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|-----------------------------|-----------------------|
| Writers: | Editor |
| Cameron Compertore | Deborah Lester |
| Jeremy Elliott-Engel | |
| Nick Morris | |
| Norma Ruiz | |
| David Shafer | |
| Liz Sparks | |



The agriculture industry is constantly adapting to answer the new challenges of the modern world. These improvements are led by those working in STEM – Science, Technology, Engineering and Math. Bayer Marana is proud to continue our partnership with 4-H as they develop future STEM innovators through hands-on and virtual learning experiences.

Our Crop Science division utilizes all four STEM fields to help farmers around the world grow sustainable crops, especially in the face of major issues such as Climate Change.



One of our most recent advancements in agriculture is a \$100 million state-of-the-art greenhouse in southern Arizona. The Marana Greenhouse is utilizing top minds in STEM to raise the bar in agriculture by growing corn for seed production year-round.

While our greenhouse may be new, our team making it happen is not. More than 150 scientists, engineers and farmers are combining decades of experience and their unique perspectives to innovate and solve problems, together.

To learn more about our greenhouse, please visit Bayer.us/Marana or scan the QR code with a mobile device.

