NAU FORESTRY PROGRAM
The NAU forestry program is a vibrant, diverse and active place of learning and research and a feeling of community. Here are just some of the activities this month of our internationally distinguished faculty and researchers.

UPCOMING EVENTS
Dec 10 – Fall Graduation!
Dec 13- Jan 7 – Winter term
Dec 24-27, Dec 31 – NAU closed
Jan 10 – First day of Spring Semester

NAU SCHOOL OF FORESTRY
The School of Forestry is a gateway to a fulfilling forestry career; it’s also an invitation to create sustainable solutions for the natural world and outdoor enjoyment for years to come.
PUBLICATIONS: [NAU Authors in Bold, * Undergraduate Student]


Fule, P., C. Edgeley, and C. Chambers are co authors of a book chapter titled "Fire ecology and management of Southwestern Forests." Other co-authors include NAU alumni Serra Hoagland and Blanca Céspedes https://link.springer.com/book/10.1007/978-3-030-73267-7?sap-outbound-id=01C8E901645519F2A5AADD5BB3A3A64A96193E91


NEW AWARDS:

James Allen is receiving the SAF Forest Manager Award. Dr. Allen, the former Executive Director of the School of Forestry, has been a member of SAF since 1988, was named a Fellow of SAF in 2012, and was selected as “Alumnus of the Year” from Louisiana State University in 2009.

Matthew Bowker and Anita Antoninka have a new grant. New funded collaboration between NAU School of Forestry, US Geological Survey, National Park Service, and three Arizona National Monuments.
Anita Antoninka has a new grant. Drs. Propper, Antoninka, Castagno and Brown were awarded an Alfred P. Sloan Foundation with the purpose to create long-term, equity-oriented systemic change through a partnership across institutions (NAU Mountain Campus, NAU Yuma Campus, and Diné College) aimed at reducing racial disparities in STEM graduate pathways.


Kristen Waring and Nicholas Wilhelmi (FHP FS Collaborator and Sponsor) have a new grant from the USDA Forest Health Protection Arizona Zone to monitor the health of southwestern white pine. This $75,817 award will be used to re-measure permanent white pine blister rust monitoring plots. The project duration is from 2022-2024.

Amanda De La Torre has two new grants from the Bureau of Land Management.

- $50,000 award from BLM-Montana to fund her project on genetic diversity, hybridization and the potential for adaptation to climate change in populations of the endangered species whitebark pine and limber pine. The project duration is from 2022-2023.
- $45,000 award from BLM-Colorado to fund her project on genetic diversity and the potential for adaptation to climate change in isolated populations of the Corcoran Peak Ponderosa pine stand in western Colorado. The project duration is from 2021-2023.

PRESENTATIONS/OUTREACH:

Catrin Edgeley made media appearances.
- Cat was an invited panelist at a recent Cary Science Conversations webinar titled "Wildfire in the Western US: Causes, consequences, and adaptation." The event was hosted by the Cary Institute for Ecosystem Sciences in New York. [https://www.caryinstitute.org/news-insights/lecture-video/wildfire-western-us-causes-consequences-adaptation](https://www.caryinstitute.org/news-insights/lecture-video/wildfire-western-us-causes-consequences-adaptation)
- Cat was also quoted in a KNAU piece on climate change, mental health and wellbeing in Flagstaff following recent fires and floods [https://www.knau.org/post/climate-anxiety-takes-toll-flagstaff-residents-brace-fiery-future](https://www.knau.org/post/climate-anxiety-takes-toll-flagstaff-residents-brace-fiery-future)

Anita Antoninka’s work was featured in a newspaper article from Arizona Center for Investigative Reporting. This article describes what's known about the ecology of Valley Fever and work by Dr. Bridget Barker, Anita Antoninka, Helen Rowe and grad student, Marieke Ramsey to determine if biocrust restoration can help suppress the causative agent of Valley Fever, Coccidioides. [https://azcir.org/news/2021/09/28/valley-fever-ecology-unknown-fungus-expanding-throughout-west/](https://azcir.org/news/2021/09/28/valley-fever-ecology-unknown-fungus-expanding-throughout-west/)

Kristen Waring made a public outreach/education effort. In August, working with Forest Service collaborators, contracted an American Conservation Experience crew to plant southwestern white pine trees in eastern Arizona as part of a long-term durability trial for white pine blister rust resistance (pictured on the right).


Kristen Waring authored or co-authored the following presentations in H5II: The Second Conference on the Research and Management of High Elevation Five Needle Pines in Western North America. Virtual. October 5-7, 2021:

- Peach, L.R. (former grad student), Waring K.M., Fulé P.Z., Swenson J.K., Menon M., Eckert A.J., and Bagley J.C. 2021 Does drought response change with parental ancestry across a white pine hybrid zone?

**STUDENT HIGHLIGHTS:**


**Jack Burnett**, PhD student (Major Professor, Cat Edgeley) presented preliminary findings from his dissertation research to Yavapai Firewise. They will use his research to expand their scope and develop strategies for encouraging more geographically diverse communities to adapt to fire within Yavapai County.
ALUMNI HIGHLIGHTS:

We are deeply grateful for all of the financial support we received over the past year from our alumni and friends. Most of the support we receive each year goes directly to students as scholarships or other forms of financial assistance, such as the Mrs. M Fund and the Wally Covington Student Travel Award. Below we acknowledge the donations we received in 2021 that were $5,000 or more, but please know that all donations are appreciated and needed more than ever.

• With the generous gift over $100,000 from **Blair Moody (BSF, 1975)**, SOF will benefit from the new “Blair and Carol Moody Scholarship” to be awarded to a Forestry Junior or Senior with minimum 3.0 GPA.

• **John Stephenson** (BSF, 1963) pledged $12,000 toward establishing a scholarship in the honor of James Allen’s years of services as the Executive Director of School of Forestry, in addition to $10,000 toward the “John H Stephenson Forestry Scholarship”.

• Other donations include $25,000 from **Dan Binkley** (BSF, 1977) to “Mrs. M Endowed Fund” to provide support for student having a financial emergency; $20,000 from **David Schmidt** (BSF, 1962) to the ”David Schmidt Forestry Scholarship”; $5,000 from **Linda Paciorek** to “Paciorek Family Endowment for Forestry” and $5,000 from **Mike Ryan** (MSF, 1978) to “Wally Covington Student Travel Award”.