

SCHOOL OF FORESTRY

MONTHLY NEWSLETTER



OCTOBER 2020



THE NAU SCHOOL OF FORESTRY

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.

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 THIS MONTH

Featured Faculty:
Anita Antoninka, Matt Bowker, Wally Covington, Richard Hofstetter, and Kristen Waring,

Page 2

AWARDS & GRANTS

Faculty: Cat Edgeley, Matt Bowker, Anita Antoninka, Pete Fule

Page 2

PRESENTATIONS & OUTREACH

Carol Chambers and Jeff Jenness

Page 2 and 3

For more information visit nau.edu/forestry

Publications:

Covington, WW and S Pyne. 2020. Fire in our future (editorial). *Science* 476, 13-13

Covington, W (interview). 2020. Why wildfires are so bad this year in California, Oregon and Washington. *Wall Street Journal* " https://www.wsj.com/articles/why-wildfires-are-so-bad-this-year-in-california-oregon-and-washington-11599768604?mod=itp_wsj&ypttr=yahoo

Doherty, KD, HS Grover, MA Bowker, RA Durham, AJ Antoninka. 2020. Producing moss-colonized burlap fabric in a fog chamber for restoration of biocrust. *Ecological Engineering* 158, 106019 <https://doi.org/10.1016/j.ecoleng.2020.106019>

Alejandro, L, KM Waring, M Menon, S Cushman, AJ Eckert, L Flores-Renteria, JC Hernandez-Diaz and CA Lopez-Sanchez. 2020. Morphological differences in *Pinus strobiformis* across latitudinal and elevational gradients. *Frontiers in Plant Science*
https://www.researchgate.net/publication/344406352_Morphological_Differences_in_Pinus_strobiformis_Across_Latitudinal_and_Elevational_Gradients

Soderberg, DN, KE Mock, RW Hofstetter and BJ Bentz. 2020. Translocation experiment reveals capacity for mountain pine beetle persistence under climate waring. *Ecological Monographs*
<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecm.1437>

Grants:

Catrin Edgeley Southwest Health Equity Research Collaborative and NIH to support research on community adaptation to wildfire and prescribed fire smoke in Coconino and Yavapai Counties over the next two years. (\$60,000)
<https://nau.edu/nau-research/health-equity-work/>

Matt Bowker, Pete Fule Anita Antoninka USDA-NIFA will fund the project "Pelletized fire mosses to enhance soil health after high severity forest fire" in 2021 (\$484,829)

Presentations/Outreach:

Carol Chambers invited panel titled, "Dismantling Systemic Racism in the Wildlife Profession". Oct 1, 2020 Annual Conference of The Wildlife Society
<https://wildlife.org/2020-conference>
 organized and led a panel discussion titled Women of Wildlife (WOW) in the Field at The Wildlife Society's 2020 Annual Conference
<https://wildlife.org/2020-conference/>
 networking event to support women and conducted a virtual networking event at The Wildlife Society's 2020 Annual Conference to develop relationships among women and ideas for additional networking (symposia, workshops). <https://wildlife.org/2020-conference/>



Carol Chambers

assumed the role of President of The Wildlife Society, an 11,000 member organization of professional and student wildlife biologists <https://wildlife.org/leadership-and-values>

Jeff Jenness

presentation with Larry Stevens, Jeri Ledbetter, Alek Mendoza, Andrea Hazelton and Brianna Mann, all of the Springs Stewardship Institute at the Museum of Northern Arizona at The Wildlife Society's 2020 Annual Conference. <https://wildlife.org/2020-conference/> <https://youtu.be/l69tHE4WnAQ>

Poster demonstrating how thermal imagery can be used to find cave entrances, by applying techniques to the thermal surface that are more commonly used on topographic surfaces. This method was originally developed to find caves on other planets where only remote sensing data are available, but they can also be used to find caves on Earth. The PDF can be downloaded from <https://jennessent.sharefile.com/d-s151dcae1b23423db> with J. Judson Wynne (Department of Biological Sciences, Merriam Powell Center for Environmental Research, Northern Arizona University), Derek L. Sonderegger (Department of Mathematics and Statistics, Northern Arizona University), Timothy N. Titus (United States Geological Survey, Astrogeology Science Center) and Murzy D. Jhabvala (NASA Goddard Space Flight Center, Instrument Systems and Technology Division)

At the recent national Wildlife Society Conference, Jeff Jenness was re-elected as Chair of the Spatial Ecology and Telemetry Working Group. SETWG is one of several national working groups in The Wildlife Society.

