



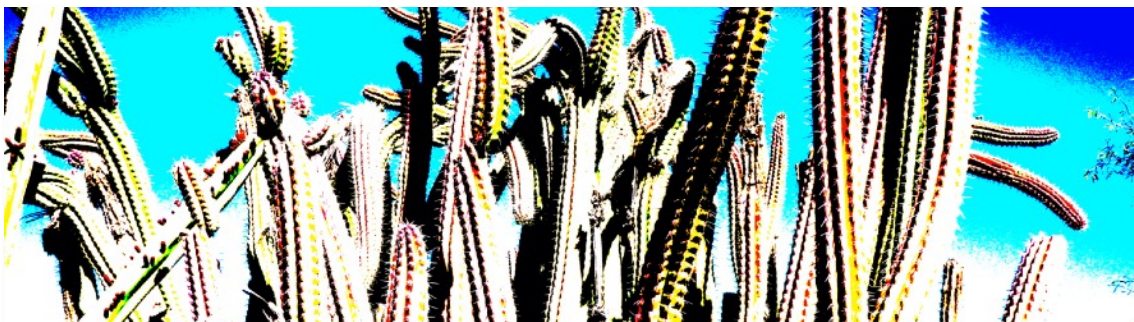
HAPPENINGS

The Quarterly Newsletter of the Arizona Native Plant Society
Our mission is to promote knowledge, appreciation, conservation
and restoration of Arizona's native plants and their habitats

Join Any Chapter E-List

The best way to keep up with the latest AZNPS events is to join the chapter e-list, which notifies members about meetings, events, conferences, field trips, workshops, and volunteer opportunities in the area. Don't forget to keep us updated on e-mail address changes. To be added to any chapter e-list, send your name and e-mail address to:

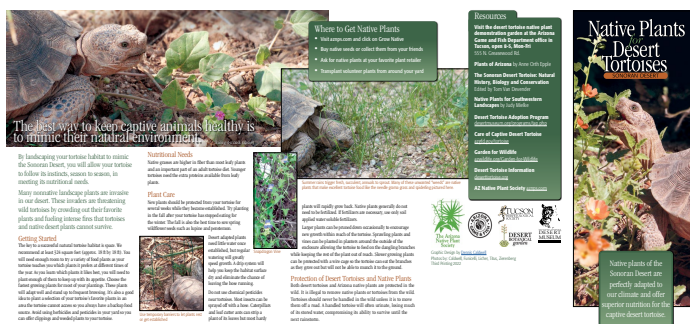
Cochise	Doug Ripley	aznpscochise@gmail.com
Flagstaff	Susan Holiday	naris123@cs.com
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Prescott	Sue Smith	PrescottNativePlantSociety@gmail.com
Santa Cruz	Robin Kulibert	santacruz.aznps@gmail.com
Tonto Basin	Becky Settje	tontobasinnativeplants@gmail.com
Tucson	Jack Dash	nativeplantstucson@gmail.com
Upper Gila	Nathan Cline	uppergilaaznps@gmail.com
White Mountain	Jess Rollar	aznpswhitemountain@gmail.com
Yuma	Valerie Morrill	yumaaznps@gmail.com



Annual Botany 2024 Conference Announcement

The AZNPS Board of Directors is pleased to announce the dates and location for the first in-person annual botany conference since the start of the Covid pandemic in 2020. The conference will be held on **August 18 - 19, 2024**, at the Pima Community College West Campus, Tucson. The first day will be devoted to oral presentations and poster sessions. On the second day a number of guided field trips will be offered. Much more information will be forthcoming soon.

Brochures



The Arizona Native Plant Society website now offers access to digitized brochures, on topics such as identifying non-native stinknet, cooking with native plants, and creating tortoise habitat. Some are available in Spanish. The brochures can be accessed at this [link \(https://aznps.com/brochures/\)](https://aznps.com/brochures/).

Can You Identify This Family?

This plant family contains a single genus with eleven species, one of which occurs in Arizona. All species are adapted to arid environments. The drought-deciduous leaves are alternate, simple, and entire. The petioles of primary leaves on long shoots develop into stiff spines that persist after the leaves have fallen; secondary, non-spiny leaves of short shoot growth appear in the axils of the spines after sufficient rain has fallen.

The colorful flowers are commonly hummingbird-pollinated and have five sepals and five petals that are fused to form a tube. Ten or more stamens are exerted from the corolla. The fruit is a dehiscent capsule that splits to release winged seeds.

Do you want to see if you guessed right? Go to the [SEINet link](http://tinyurl.com/ynuaesfh) to find out and discover other species in this unusual family (<http://tinyurl.com/ynuaesfh>).



Photo: Shelley Silva

Chapter News

Cochise Chapter



Unfortunately, the Cochise Chapter remains in a largely inactive state. We continue to look into various options for resuming the meetings such as establishing a new meeting room, lining up member volunteers to help run the meetings, and identifying potential speakers. Consequently, we are not announcing any new meetings currently. Members may learn of upcoming meetings, field trips, and other activities from the Chapter Facebook website. Also, we will inform members of all future activities in advance via the Chapter email roster. We would greatly appreciate suggestions for future meeting topics and speakers. Please contact Chapter President Douglas Ripley for any questions you may have regarding future activities (jdougripley@gmail.com). The only significant plan that we currently have is to offer again the annual Chiricahua weekend which is scheduled for 8 - 10 September 2024 at the Southwestern Research Station in Portal. Also, the Chapter will be an active participant in the planning and conduct of the AZNPS Botany 2024 Conference which will be held on 17-18 August 2023 at the West Campus of Pima Community College in Tucson.

The Chapter has established a Facebook website (<http://www.facebook.com/AZNPSCochise>) where much useful information about the chapter and its members is posted.

Chapter Offices

President: Douglas Ripley (jdougripley@gmail.com); Vice President: vacant; Secretary: Deann Sanner (longeyesone@gmail.com), Treasurer: Pat Sullivan.

Flagstaff Chapter



The Flagstaff Chapter will offer in-person meetings this year with the option to watch from home via Zoom. The meetings will still take place on the third Tuesday of the month, March through October, at 7:00 PM.

We have a new location! The meetings are now being held at Highgate Senior Living Center at 1831 N Jasper Dr. on McMillan Mesa. Park anywhere in the parking lot or on the street. Buzz to be let in if the door is locked and come upstairs to the second floor.

Some of the meetings have been recorded and can be viewed the Flagstaff Chapter's Facebook or at The Arizona Native Plant Society website or YouTube channel. For details about upcoming meetings, please see our email distribution list (naris123@cs.com), Facebook page, or AZNPS.com.

Register in advance once in order to attend any of the meetings virtually:

https://uso2web.zoom.us/meeting/register/tZwsfumpqjkqG9Pfnq_NUM33A-2Ncv9G9NA2

After registering, you will receive a confirmation email containing information about joining the meeting.

Chapter Offices

President: Kirstin Phillips (flagstaffAZNPS@gmail.com); Chapter Contact: Melissa Amberson (azmelissa@yahoo.com); Email Distribution: Sue Holiday (naris123@cs.com); Hike Information: Barbara Phillips (bagphillips@yahoo.com)

Meetings

Tuesday, March 19, 7:00 PM: Catherine Young. *The Efficacy of Using Terminal and Axillary Bud Cuttings as a Means of Propagation for the Endemic Alpine Species (Packera franciscana)*. Hybrid meeting: in-person and via Zoom



Photo: Catherine Young

Catherine Young, a sophomore undergraduate researcher from the NAU School of Forestry, will present her study resulting in the first vegetative propagation protocol for the dwarf alpine sunflower (*Packera franciscana*). This plant is listed as "Threatened" under the Endangered Species Act and is endemic to the alpine tundra of the San Francisco Peaks. She designed a protocol that navigates the challenges of propagating such a small plant, protecting the mother plant from excessive foliage loss, and creating a cost-effective method that can be completed quickly. This is the first study in a three-part series with the goal of producing evidence to help predict the fate of *P. franciscana* in the face of climate change. The success she has achieved would not be possible without Dr. Margaret M. Moore, Shaula J. Hedwall, and funding from the NAU Office of Undergraduate Research and Creative Activity.

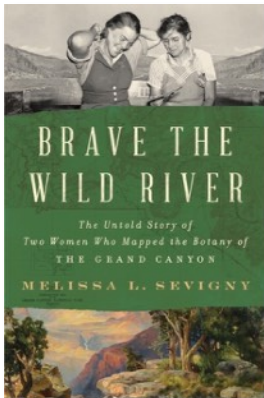
Tuesday, April 16, 7:00 PM: Janice Busco. *The Life and Seasons of the Living Roof*. Hybrid meeting: in-person and via Zoom

Museum of Northern Arizona Research Botanist Jan Busco will share her knowledge about the 14,000-square-foot bioregional native living roof atop the Museum of Northern Arizona's Easton Collection Center. The living roof was planted in 2009 in six inches of soil with plants grown on the Museum grounds. The plant succession has changed dramatically over the past 15 years. Busco will discuss reasons for these changes and what plants seem to do the best in this arid climate.



Photo: Museum of Northern Arizona

Tuesday, May 21, 7:00 PM: Melissa Sevigny. *Brave the Wild River: The Untold Story of Two Women Who Mapped the Botany of the Grand Canyon*. Hybrid meeting: In-person and via Zoom



Jacket design: Richard Ljoenes Design LLC

Melissa Sevigny will present her new book, *Brave the Wild River*, the remarkable story of botanists Elzada Clover and Lois Jotter's history-making journey through the Grand Canyon in the summer of 1938. Before Clover and Jotter, no one had yet surveyed the plant life of the Grand Canyon, and they were determined to be the first. Through the vibrant letters and diaries of the two women, Sevigny traces their daring forty-three-day journey down the river, during which they meticulously cataloged the thorny plants that thrived in the Grand Canyon's secret nooks and crannies. *Brave the Wild River* is a spellbinding adventure of two women who risked their lives to make an unprecedented botanical survey of a defining landscape in the American West, at a time when human influences had begun to change it forever.

A book signing will follow the presentation. Purchase your books ahead of time at Bright Side Bookshop. Books will not be available at the event.

Melissa L. Sevigny is a science journalist at KNAU (Arizona Public Radio). She has worked in water policy, sustainable agriculture, and space exploration, and is the author of *Under Desert Skies* and *Mythical River*. She lives in Flagstaff, Arizona.

Hakdagwi:va Peach Springs Chapter



Meetings are held the second Wednesday of each month from 5:00 - 7:00 PM. For location and additional information, contact Carrie Cannon (Carrie.Cannon@hualapai-nsn.gov).

Chapter Offices

President: Carrie Cannon; Secretary: Shaileen Gonzalez; Treasurer: Alicia Cesspooch

Phoenix Chapter



To stay up to date on Chapter activities and announcements, please subscribe to our **email list** by writing to our chapter email (aznpsphoenix@gmail.com).

We also share a variety of native plant news and information on our Facebook page (facebook.com/aznpsphoenix) and our Chapter web page (aznps.com/chapters/phoenix).

Follow our chapter on Instagram (<https://www.instagram.com/aznpsphoenix/>) and use the hashtag #aznativeplants on your plant photos to help us showcase the beauty and importance of Arizona native plants!

Chapter Offices

President: Lisa Rivera; Treasurer: Danielle Carlock. We can be reached at aznpsphoenix@gmail.com.

Upcoming Activities

The Phoenix Chapter hosts events periodically throughout the year. Chapter events will be announced to our email list subscribers at least two weeks in advance.

We are in need of members to help plan our activities. If you are interested in assisting with the planning, organizing, or facilitation of Phoenix Chapter events, or would like to learn more, please contact Lisa Rivera (aznpsphoenix@gmail.com).

Prescott Chapter



The chapter continues to manage species growing in Walnut Meadow at the Highlands Center for Natural History, provide workshops on plant families, make seed balls to help with Prescott National Forest restoration, and schedule evening programs.

Chapter Offices

President: Sue Smith; Steering Committee: Jeannie Tutone and Sara Vincent. We can be reached at PrescottNativePlantSociety@gmail.com.

Santa Cruz Chapter



Monthly presentations are held on the third Thursday of the month from 6:00 - 7:30 PM. Our presentations at this time are all virtual via Zoom.

The URL is zoom.us (not zoom.com). The meeting ID is 874 9175 9629 and the “waiting room” security function will be used.

To stay up to date on chapter events, you can be added to our email list and/or follow our [Facebook page](https://www.facebook.com/aznpssantacruz) (<https://www.facebook.com/aznpssantacruz>). Send an [email](mailto:santacruz.aznps@gmail.com) (santacruz.aznps@gmail.com) to join our mailing list or for any other questions.

Chapter Offices

President: Robin Kulibert; Vice President: Rick Kulibert

Tonto Basin Chapter



The AZ Native Plant Society Tonto Basin Chapter invites anyone interested in learning about native plants in Gila County to join us for chapter meetings, botany walks, and conservation activities.

Our chapter meets on the first Friday of each month, October through May, and includes guest speakers, botany walks, and field trips. Please join our email list at tontobasinnativeplants@gmail.com to receive up-to-date information and meeting reminders. You can also visit our [Facebook](#) and [Instagram](#) accounts for additional information.

Chapter Offices

President: Becky Settje; Vice President: Teri Balaska; Lead Botanist: Eric Sjoden

Upcoming Activities

Friday, March 1, 10:00 AM - 12:00 PM: First Friday Field Trip

Tonto Natural Bridge is located ten miles north of Payson on Highway 87. Ranger Micah will lead us on a botany walk on paved trails. Please arrive early to check in at the Visitor Center. Group rate admission for the event is \$2 per person.

Saturday, March 23, 10:00 to 11:30 AM: Nonnative Invasive Plants of Gila County: ID & Control Methods

Presentation by Chris Jones of the Gila County Cooperative Extension, Tonto Basin Chamber of Commerce, 45675 N Arizona Highway 188, Tonto Basin.

Friday, April 5, 10:00 - 11:30 AM: First Friday Field Trip

Join us for a **beautiful bloom botany walk** to enjoy the desert colors from our winter rains. Location will be determined by the blooms and will be announced on our social media accounts and chapter email.

Friday, May 3, 10:00 AM - 1:00 PM: Charles Locke. *Seven Layers of the Forest*

Learn how to create native habitats that will increase biodiversity in your own landscapes. Stay for a year-end potluck picnic in the chapter president's garden, located at 268 E Stephens Way, Tonto Basin.

Tucson Chapter



The Tucson Chapter meets on the second Thursday of each month, from September to May. We resumed in-person meetings in a hybrid format that allows folks to join us on a Zoom interface if they prefer. Watch our [chapter page](https://aznps.com/chapters/tucson/) (<https://aznps.com/chapters/tucson/>) on the website for more information.

If you are not on our mailing list and would like the link for a meeting, [email](mailto:nativeplantstucson@gmail.com) (nativeplantstucson@gmail.com) us the week before the meeting requesting the zoom link. Videos of past meetings can be viewed on our [YouTube channel](https://www.youtube.com/channel/UCVBSV1oOi6enVYcI2CShTfw) (<https://www.youtube.com/channel/UCVBSV1oOi6enVYcI2CShTfw>).

Chapter Offices

President: Jack Dash; Treasurer: Andrew Gourevitch; Secretary: Matthew Lutheran

Progress Reports

Protective Cages Enhance Early Growth of Transplanted Baby Saguaros at the Waterman Restoration Site



The [Waterman Restoration](#), led by AZNPS since 2010, is an 18-acre buffelgrass monoculture now transformed into a young upland bajada plant community with over 112 native plant species. The Tucson Cactus and Succulent Society (TCSS) and others have donated small saguaros for us to transplant next to Ironwood and Palo Verde nurse plants on the Waterman site. So far, we have transplanted 48 saguaros. Another 20 transplants are scheduled for 2024.



Volunteer Dennis LeBlond designed and built protective cages for the young saguaros to protect them against critters and sunburn. To our great surprise, the cages have also protected the transplants against the effects of low winter temperatures and have had a net-effect on significantly boosting the growth and girth of the plants after two years under the cages. The cages serve as micro greenhouses! - [John Scheuring](#)

Re-purposed Christmas Trees Staunch Deep-cut Erosion at the Waterman Restoration Site

An “extreme weather event” on September 11, 2022, dumped 3.5 inches of rain on the Waterman Restoration site within about three hours. Overnight that event carved a trench along about 500ft on the east side of the site. Last January and February we stuffed 75 Christmas trees end-to-end in the trench. After the trees dried out, we lopped off the growth above ground level and stuffed the plant material into the trenches as much as we could. We observed the runoff following every >0.25 inch event and found no run-off in 2023. This January we have added another 50 trees to gaps from last year and to additional erosion head-cuts. Little by little, the trees will capture silt and gradually fill in the erosion trenches. - John Scheuring



Upper Gila Chapter



Monthly meetings are held the **third Thursday of each month** at 5:00 PM at Discovery Park, 1651 W Discovery Park Blvd, in Safford. To keep up-to-date on activity dates, please contact us at our chapter email (uppergilaaznps@gmail.com).

Chapter Offices

President: Nathan Cline; Vice President: Diane Drobka; Secretaries: Julie Plath and Clara Gauna; Treasurer: Julie Davis.

White Mountain Chapter



Our chapter covers all of Navajo and Apache counties, but welcomes native plant enthusiasts from Greenlee and northern Gila Counties also.

Chapter Offices

President: Jess Rollar; Education Coordinator: Anita Thompson; Treasurer: Bob Rollar; Master Gardener: Michelle Straight.

Yuma Chapter



Yuma will forgo regular monthly, in-person meetings for the foreseeable future. Instead, we will focus on outdoor activities, such as field trips and work projects, with a virtual format for meetings and similar indoor activities.

Announcements of these events and other news updates will be posted via email. If you would like to receive updates, please contact us at our [chapter email](mailto:yumaaznps@gmail.com) (yumaaznps@gmail.com) and ask to be put on our list.

Chapter Offices

President: Valerie Morrill; Vice President: Karen Reichhardt; Secretary: Deirdre MacDonald; Treasurer: Tom Fox

Welcome New Chapter Members!

Cochise: David Steingraeber

Flagstaff: Paul Doherty, Laura Davis

Peach Springs: Shay Olivarria

Phoenix: Kelly Brunell, Pat French, Jeri Johnson, Barbara McGillivray, Christine Pham, Jessica White, Michael Stubben, Donna Laguardia, Laurel McGhee, Suzanne Fallender, Vicki Jackson

Prescott: Charles Elias, Carly Taylor, Ruth Passering

Tonto Basin: Nancy Peterson, Marcy Scott, Kathryn Mallett, Susan Williams, Karla Iler, Lois Griffin, Kenda Svoboda

Tucson: Yvonne Fortier, Stephen Jackson, Kelly Christensen, Brad Kovach, Noreen Doyle, Emily Ward, Kris Gade, David Fain, Gabriel and Nicolette Gaudenkauf, Mary Arrigoni, Jeffrey Benskin, Kim Cooper, Bob Enyeart, Melissa Geoffrion, India Hesse, Michelle Hoover, Julia Laughlin, Sandra Minkel, Molly Molloy, Haley Obrien, James Payne, Valerie Turpin

Yuma: Louise Aceves

For More Information, Contact the Chapter OfficersOr visit the AZNPS website (www.aznativeplantsociety.org).**AZNPS Headquarters**Administrator: Pat Sanchezarizonanativeplantsociety@gmail.com**Cochise Chapter**President: Douglas Ripleyaznpscochise@gmail.com

Vice President: Vacant

Secretary Deanna Sanner

Treasurer: Pat Sullivan

Flagstaff ChapterPresident: Kirstin Phillipsflagstaffaznps@gmail.comContact: Susan Holidaynaris123@cs.com

Treasurer: Tina Ayers

Presentations/Field Trips: Barbara Phillips

Peach Springs ChapterPresident: Carrie CannonCarrie.Cannon@hualapai-nsn.gov

Secretary: Shaileen Gonzalez

Treasurer: Alicia Cesspooch

Phoenix ChapterPresident: Lisa Riveraaznpsphoenix@gmail.com

Treasurer: Danielle Carlock

Prescott ChapterPresident: Sue SmithPrescottNativePlantSociety@gmail.com**Santa Cruz Chapter**President: Robin Kulibertsantacruz.AZNPS@gmail.com

Vice President: Rick Kulibert

Tonto Basin ChapterPresident: Becky Settjetontobasinnativeplants@gmail.com

Vice President: Teri Balaska

Lead Botanist: Eric Sjoden

Tucson ChapterPresident: Jack Dashnativeplantstucson@gmail.com

Treasurer: Andrew Gourevitch

Secretary: Matthew Lutheran

Upper Gila ChapterContact: Nathan Clineuppergilaznps@gmail.com

Vice President: Diane Drobka

Secretaries: Julie Plath and Clara Gauna

Treasurer: Julie Davis

White Mountain ChapterPresident: Jess Rollaraznpswhitemountain@gmail.com

Education Coordinator: Anita Thompson

Treasurer: Bob Rollar

Master Gardener: Michelle Straight

Yuma ChapterPresident: Valerie Morrillyumaaznps@gmail.com

Vice President: Karen Reichhardt

Secretary: Deidre MacDonald

Treasurer: Tom Fox

AZNPS Happenings is a forum to promote chapter news and activities throughout the state. Please contact your chapter president or program coordinator to contribute information, or email the *Happenings* editor, Shelley Silva (shelley.a.silva@gmail.com).



ARIZONA NATIVE PLANT SOCIETY
P.O. Box 41206
Tucson, AZ 85717

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Arizona Native Plant Society

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Members with email access will receive email notice when new *Happenings* newsletter and *Plant Press Arizona* issues are posted online. **Please indicate if you prefer to receive *Plant Press Arizona* via postal mail.**

Mail to:

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