

Kelseya

Newsletter of the Montana Native Plant Society



Kelseya uniflora
ill. by Bonnie Heidel

Small Grant Report: Leave No Weeds: 22 Years of Conservation Education



By Steffany Rogge, Education Coordinator, Missoula County
Department of Ecology & Extension

For the past 22 years, the Missoula County Department of Ecology & Extension (formerly Weed District) has provided area 5th grade students the opportunity to learn by exploring the importance of biodiversity and the role it plays in healthy plant communities through the *Leave No Weeds* program. This is done through a combination of classroom instruction and outdoor field trip experiences. This year, 737 students expanded their knowledge of habitats, ecosystems and biodiversity by learning to define and classify native, non-native and invasive plants and their relevance and impacts on the ecosystems that surround and support us.

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Chapter Events

Artemisia Chapter

Info: Jessica Callahan at 507-696-5467; artemisiamnps@gmail.com.

Calypso Chapter

Info: Catherine Cain at 406-498-6198; nativeplants@montana.com or Karen Porter at 406-498-9728; karenwporter44@gmail.com.

Saturday, April 27, 10:00 a.m. to 2:00 p.m. A Native Plants Workshop - Including Landscaping, Dyeing and Planting for Dye Colors (Divide). Convening at the Grange in Divide, the morning will start with dyeing a scarf (participants will purchase) with local native plants, emphasizing simple design techniques. While the scarves are simmering in the dye pots, there will be a presentation on Landscaping with Native Plants. After lunch, we will plant native seeds to start indoors for later outdoor planting (seeds and planting materials provided). Limit 20. For details and to register contact Catherine Cain at 406-498-6198; nativeplants@montana.com.

Saturday to Sunday, June 22 to 23. Edible Wild Plant Exploration (Pony). Walk with expert **Tomas J. Elpel** through meadows and woodlands, learning to identify edible and medicinal plants and the techniques and essential guidelines for ethical foraging. Tom is offering this two-day class to MNPS members at a special discount (\$100/person) until May 1st. Limit 20. Visit Tom's website for further information and to register for this incredible weekend: https://www.greenuniversity.com/Class_Schedule/Foraging_Montana.htm.

Clark Fork Chapter

Info: Teagan Hayes at 920-979-9009; teagan.hayes@gmail.com or Paul Buck at 970-901-2418; paul7703@gmail.com.

Tuesday April 9, 7:00 p.m. Urban and suburban areas can support a surprising diversity and abundance of pollinators. Join **Marirose Kuhlman**, Habitat Coordinator for Missoula County, to learn some of our diverse native pollinators and methods for **Home Landscaping as a Restoration Practice**. Rocky Mountain Exploration Center, 1075 South Ave. W. **PLEASE NOTE DIFFERENT DAY** and **NEW LOCATION**. Parking area is east of the building.

Thursday May 9, 6:30 p.m. Our **Spring Potluck** will be held at the Pineview Park Pavilion in the Upper Rattlesnake off of Rattlesnake Drive, just west of Rattlesnake School. Please bring your own plate, utensils and a dish to share. No alcohol please. Call Peter at 406-728-8740 or Clare at 406-728-0189 for directions.

Eastern At-Large

Info: Kelsey Molloy at 406-654-4566; kelsey88@gmail.com.

Flathead Chapter

Info: Tara Carolin at 406-607-7670; mnps.flathead@gmail.com.

Monday, May 20, 3:30 to 5:00 p.m. West Valley School Garden Tour & Work Session. Linda deKort and Pat Jaquith invite you to visit a modest native plant garden at the West Valley Elementary School. Participants will glean ideas on how to start a native plant garden and learn how this garden survives with only volunteer help! Participants are also encouraged to assist with spring maintenance all while discussing ideas, suggestions and future plans. Meet at West Valley School, 2290 Farm to Market Road, Kalispell MT. No sign ups necessary.

Wednesday, May 22, 10:00 a.m. Spring Creek Cemetery. The land for Spring Creek Cemetery was set aside from the unplowed prairie in 1895 and remains largely unchanged. Plants that no longer exist in the area are still present in this picturesque spot surrounded by canola and wheat fields and encroaching modern developments. **Pat Jaquith** will welcome visitors to this historic site. Parking is limited, so please contact patjaquith07@gmail.com to reserve a spot.

Friday, May 24, 9:00 a.m. to 1:00 p.m. Lost Trail National Wildlife Refuge. A total of 433 species of plants have been observed on Lost Trail NWR; springtime is a great time to see many of those in bloom in the restored wetlands, rolling hills and forest. Depending on climate conditions, Dahl Lake and other wetlands may have numerous nesting waterfowl; moose, elk and other wildlife are frequently sighted from the road through this large biological reserve of Northwest Montana. We will have some copies of the *Vascular Plant Checklist* compiled by Peter Lesica available for reference. Meet at the Refuge office (well-signed from either entrance). Insect repellent, rain gear, sturdy foot gear, water and lunch are recommended. Co-hosted with GOB (Great Old Broads). Please contact Rosemary to sign-up at rosemary.mckinnon@gmail.com.

Monday, May 27, 8:00 a.m. to 3:00 p.m. North Fork Camassia. The *Camassia quamash* (blue camas) fields off the



Inside North Fork Road are spectacular in early summer. We'll also see abundant *Dodecatheon*, *Castilleja*, *Cypripedium montanum* and many grasses. The meadows are wet, so waterproof footwear is needed, as is mosquito repellent. The trip size is limited to 12 and registration is required. A Glacier Park pass is needed for each car's entry, but a daily reservation is not. We will be carpooling as there is limited parking. Contact **Lynn Smith** at calypsolynn@gmail.com or 406-

250-2307 to reserve a spot. Details about meeting and carpooling will be given after your reservation is secured.

Monday, May 27, 6:00 - 8:30 p.m. Columbia Mountain Wildflowers. Join botanist and field instructor, **Ellen Horowitz**,

for a glorious evening wildflower walk on Columbia Mountain. Plan on traveling through many habitat types – from moist forests to dry open slopes. Expect an easy pace with lots of stops to view big, bold blossoms, like those of balsamroot, and less conspicuous beauties that include orchids and mitreworts. The hike will be moderately difficult (about two miles and 500 feet elevation gain). This walk will be limited to 12 participants. Please please contact Ellen at horowitz@centurytel.net with questions or to register.

Tuesday, June 4, 5:30 p.m. Cedar Flats. We'll look for forest wildflowers and explore the Cedar Flats Trails north of Columbia Falls. The terrain is gentle, and we'll walk less than two miles. Contact Rachel at jrepotter@centurytel.net to sign up, for directions on where to meet and for last-minute changes.

Kelsey Chapter

Info: Devon Malizia (president) or Jane Fournier (secretary) at kelseychaptermnps@gmail.com.

June, exact date and place TBD. Macro Photography Workshop by Matt Stewart. Contact us or stay tuned for more details.

Date TBD: Plein Air Sketching and Painting Workshop. Contact us or stay tuned for more details.

Maka Flora Chapter

Info: Libby Knotts at 406-774-3778; libbyknotts@gmail.com.

Valley of Flowers Chapter

Info: Contact Gretchen Rupp for program details or to be added to the Valley of Flowers Chapter "Friends" e-mail list, at 406-586-8363; beesgrmt@gmail.com.

Saturday, April 20, 10:00 a.m. to 3:00 p.m. Gallatin Valley Earth Day. Visit our table and those of many other conservation organizations, and take in speakers and events at the Gallatin County Fairgrounds, 910 North Black Street, Bozeman (<https://www.gallatinvalleyearthday.org/>).

Saturday, May 11, 10:00 a.m. Pollinator Garden at Langohr Park Spring Cleanup. Bring work gloves, hand clippers, shovels and weeding tools for our annual spring cleanup of the popular native plant garden by the Gallagator Trail (north of Mason Street, between the Langohr Community Gardens and the Climbing Boulder in Bozeman). We'll be weeding, dividing/editing older plants (plant divisions can be taken home!), pruning golden currants, repairing drip irrigation and possibly adding some new plants. For more information, contact Linda Iverson at lilandscape@mtintouch.net; 406-930-1682.

Saturday morning, late May or early June, exact date TBD. Our Spring Weed Control on the Kagy Hill Roadcut. Contact Sharon Eversman at steversman61@gmail.com.

Saturday, June 15, 9:00 a.m. to 1:00 p.m. Museum of the Rockies patio: Bozeman Water Conservation Division Garden Party. The purpose of the garden party will be to help Bozeman residents understand the big picture when it comes to landscaping – placing the right plants in the right place with healthy living soil and efficient irrigation. Climate-appropriate (and mostly native) perennials, native seed mix and compost will be given away to Bozeman residents. MNPS materials on landscaping with native plants will also be available. Contact Anna Mack at amack@bozeman.net.

Western At-Large

Info: Jon Reny at 406-334-0459; jreny@kvis.net.

Thursday, May 2, 10:00 a.m. Shannon Lake Area. This half-day walk focuses on the benches and the shallow-soiled rocky openings above Shannon Lake. There are numerous species in these openings and their prime flowering period is around this time. This area is usually full of flowers. An uncommon fleabane (*Erigeron linearis*) has been reported on these benches. On the return trip, we'll take a side trail to Shannon Lake and see what we can find there. From the lake, it's down to the Old Highway 2 and back to the parking lot. Geyer's biscuitroot (*Lomatium geyeri*) has been seen on the old highway. Current plan is to meet at 10:00 in the morning at the weigh station at the junction of Hwy 2 and Hwy 56. Bring a lunch! Length: 3 to 4 miles. Difficulty: Easy to Moderate. Contact Jon Reny at jreny@kvis.net or Betty Kuropat at blueirismt@gmail.com.



Erigeron linearis, photos by Matt Lavin

Sunday, May 12, 9:30 a.m. Lindy Peak. The trail to Lindy Peak starts off in a cutting unit and gains elevation up to the ridge. Views of the Kootenai Valley, Libby and the Cabinet Mountains are fantastic. Once on the ridge, the trail mellows and goes through a Douglas fir - ponderosa pine forest interspersed with shallow-soiled openings that can be ablaze with flowers. Biscuitroots, fritillary lilies, and balsamroot are common. A population of Geyer's biscuitroot is found along the trail. At the peak, the framework of an old tree stand lookout can be seen. Current plan is to meet at 9:30 a.m. at Jon Reny's house. Bring a lunch as this will take most of the day. Length: 6 miles. Difficulty: Moderate (0.7 mile uphill at beginning). Contact: Jon Reny at jreny@kvis.net.

THE STATE-WIDE FIELD TRIP FLIER IS COMING!
Please check your mailbox in early May



Conservation Corner

By Elizabeth Bergstrom, Peter Lessica and Jennifer Lyman, Conservation Committee

There is still time to attend our 2024 MNPS Plant Conservation Conference. While online registration that includes the option for lunch closes on April 1st, you can register at the door on April 11th or 12th. As a reminder the Conference theme is “Restoration of Native Plant Communities.” We have presentations from increasing the availability of native plant seed to restoration techniques and community-based conservation. Please join us and register for the meetings only (without lunch), at the door. The meeting schedule is available on our [website under the conservation tab](#).

The second day is a workshop led by Andrea Pipp, our State Heritage Botanist through the Montana Natural Heritage Program (MNHP). Andrea will provide the recently finalized MNHP Vascular Plant Species of Concern list that will be part of the Native Plant Conservation Strategy. Plant lists are in constant need of review. For example, we may find additional populations of a plant considered more limited, or through our Citizen Botany program realize that a small population of a rare plant no longer exists. This affects the ranking status of the plant. The ranking status information is then used by our state and federal agencies for assessment reports of land management activities. MNPS maintains a slightly different list regarding threat assessments. Plants listed with MNPS are also on the State Heritage List. Lists are maintained for different reasons and reflect the methodologies used to develop them. That is always the nature of lists. In either case these lists are our starting point to understand our rare vascular plants of the state. If you have information to share, please consider attending this workshop.

The afternoon of the 12th, we will also discuss the need to examine and propose additional Important Plant Areas (IPAs) for Montana. At this point MNPS has designated ten IPAs. Our

IPAs reflect a defined area which hosts threatened plants and/or unique botanical richness.

Highlighting the area as an IPA influences the management of the intrinsically unique values represented. For example, designation of the Pryor Mountain IPA influenced decisions made by the BLM District Manager to also define an Area of Critical Environmental Concern, or ACEC, in the Pryors. In turn, the ACEC designation establishes management priorities and practices with regard to minerals development and wild horse management.

IPAs fall under an international plant conservation effort and are recorded by Plant Life International. Currently, the designation has been used more extensively in Europe and Africa, than the United States. It is becoming more important in the U.S. and parallels the highly successful Important Bird Areas concept (also international). Once an area is proposed in Montana a team of agency and expert botanists/ecologists are convened to determine the merits and qualifications of an area as an IPA. From extensive data gathering (if needed) and literature review, the team will pass on a recommendation to the MNPS Board of Directors for the final decision. You may recall the recent *Kelseya* article (winter issue 2023) reporting on the newly dedicated Lost Trail NWR Important Plant Area. I hope to write more on this topic in our Conservation Corner in the future. Until then, hope to see you at the conference!



*Symphoricarpos (snowberry),
by Denise Montgomery*

(Leave No Weeds, continued from page 1)

The *Leave No Weeds* program encourages students to use personal experiences and ideas to help further their connections to how and why plant biodiversity benefits not only them but all the other wildlife species that surround us. They recognize that everything from the food they eat to the trails they hike and the wildlife they love seeing is all interrelated because of plant biodiversity. Students realize when non-native, invasive species become established, reliant species are impacted as well as their own experiences.

Speaking from experience, the best way to teach about the benefits of healthy plant communities and biodiversity is to get the kids outside! By moving, smelling, and examining native and invasive plants on the local landscape kids learn to connect the classroom instruction to real places and draw conclusions of their own.

(continued on page 5)



Successful taproot removal!

With 5th grade energy, students hiked to the saddle of Mt. Jumbo while learning to identify native flowers, grasses, shrubs, and trees. To help engage and instill the native plant name, traditional plant uses such as medicinal and culturally significant facts are taught along with unique plant features and associated stories. As a form of stewardship and giving back, the students participate in a weed pull. They compete to see who can get the longest spotted knapweed root, then examine the extracted roots and seed heads looking for the larva of biocontrol agents. The exercise is completed by revegetating the disturbed ground with native grass and flower seeds, donated by the city, to hopefully outcompete the invasive in years to come.

The success of the *Leave No Weeds* program is possible because of partnering organizations and grant opportunities like the Montana Native Plant Society and, of course, the power of youthful, conservation-minded 5th graders and their equally dedicated teachers! We look forward to continuing this program and expanding conservation education at our new 2.5-acre gardens at the GW Marks Exploration Center and Rocky Mountain Gardens.

WELCOME NEW AND RETURNING MEMBERS!

The Montana Native Plant Society would like to welcome and thank new and returning members from the following chapters:

Artemisia Chapter

Cara Chamberlain, Brenna Moloney, Danella Stapley - Mt Audubon Center

Clark Fork Chapter

Pat Appleby, Sarah Arnold, Mary Byers, James Cleveland, Alan Harrington, Deborah Hayes, Jake Kleimann, Tom McColly, Danielle Rose, Nathan Turner, Isis Yoder

Flathead Chapter

Chelsea Kiser, Lech Naumovich & Drea Beale, Mary Via

Kelsey Chapter

Laura Alvey, Martha Haddock, Elena Johnson - Light Song Gardens, Laura Krum, Steven Lapp, Nathan Phillips, Jesse Windle

Valley of Flowers Chapter

Kalli Decker, Allison Evette, Carol Guzman-Aspevig, Sierra Harris, Bruce Maxwell, Vicky Schwartz, Sean Smith & Emily Dentico, Jabus Smith & Melissa Nicolli, Michelle Toshack, Sarah Urban - Westscape Wholesale Nursery, Jacki Van Meter, Will Warasila, Martin Wojciechowski, Whitney Ziel

Eastern At-Large Chapter

Barbara Olson

Prairies to Potholes 2024 Annual Meeting, June 28 to 30, 2024



The Clark Fork Chapter is thrilled to host our 35th annual meeting at **Camp Utmost** on Highway 200 in the Blackfoot Valley. The area is one of the most diverse in western Montana with myriad wetlands in a matrix of grasslands and open forest in what Meriwether Lewis called the "Valley of the Knobs." To the north are the high mountains of the Mission and Swan ranges. The venue is located at Mile 30.5 on Hwy 200, 42 miles east of Missoula and 1.5 miles west of the junction of Hwy 200 and Hwy 83 (Clearwater Junction / the Big Cow).

Camp Utmost
12901 Camp Utmost Way
Greenough, MT 59823

Registration is not limited. Payment options will be available online starting April 1st and running through June 21st on our [website under the Activities/Annual Meetings tab](#).

Meals will be catered or provided by the Clark Fork Chapter, with dairy-free and gluten-free options available. Lodging options include log cabins, dormitory rooms, RV spaces and tent camping. Wi-Fi will be available at camp, but cell phone service is very limited in the area.

An exciting suite of activities are scheduled, including two Friday workshops (Wildflower Journaling with Kathy Settevendemie and Moss Identification with Joe Elliott) and many enticing field trips on Saturday and Sunday.

Please see the registration insert for details.



Ovando Valley pothole, photo by Peter Lesica



Leaves Are Thirsty Too

By Peter Lesica, Clark Fork Chapter

Plants need water to survive and grow. We know that, and we also know that water flows from the moist soil into the roots and then through the xylem to the leaves where it is used in photosynthesis. This is the standard story, but it's not the whole story. Plants have more going on for them than just their roots.

Many years ago, I travelled down the west coast of Baja California. The climate there is very dry, with only two to three inches of rain per year. The vegetation is dominated by large cacti that store water in their trunks, but there are also many epiphytic plants growing on the cacti, and they have very few roots. So how do they get their water? There is little rain, but morning fog is common, and biologists have found that these epiphytes absorb fog water directly through specialized branched hairs on their leaves and stems. The few roots they have are used solely for holding onto their host cactus. The same is true for epiphytes in tropical cloud forests. So, there are some strange things going on down south, but what about up here in the north where things are more normal? Or are they?

Up here in the temperate zone, a sizable proportion of annual precipitation is intercepted by plant foliage, and it was assumed to evaporate back into the atmosphere or drip to the soil without being directly absorbed. However, it turns out that is not true. An often-overlooked feature of all plants is that their leaf surfaces are wet for significant periods over their lifetimes, and biologists have found that in many cases they make use of it. Alana Chin and her colleagues studied ten German tree species, seven of which have congeneric species in Montana and the Pacific Northwest (maple, birch, oak, fir, spruce, pine, yew). All these trees absorbed rainwater through their leaves, but deciduous trees and conifers do it in diverse ways.

All leaves have stomata, tiny holes in the leaf surface, each surrounded by a guard cell that opens and closes the stomate. The density and design of stomata is variable among species. Coniferous trees have large guard cells relative to the stomata which are often wax covered to endure the winter climate, while deciduous (angiosperm) trees have relatively small guard cells. The researchers found that deciduous tree leaves with a greater density of stomata absorb more water because absorption is through the stomata. However, just the opposite is true for conifers. Conifer leaves absorb water through their cuticle (skin) rather than their stomata which are nearly impenetrable to water due to their large guard cells. In the case of conifers, leaves with low stomata density absorb more water. Either way trees can absorb a sizable portion of their water through their leaves, especially

in areas with a dry growing-season climate like much of the western U.S. Foliar absorption of intercepted water could be more important than previously appreciated, especially during drought when water stress is greatest.

It is not just trees and epiphytes that benefit from foliar water absorption. Broadleaf shrubs and ferns in northwestern forests have been shown to absorb water through their leaves. There is also evidence that grasses absorb water from dew that has settled on their leaves overnight. Roots are still considered the most important source of water for most plants in most habitats, but when times get tough, use your leaves.

Further reading:

Breshears, D. D. et al. 2008. Foliar Absorption of Intercepted Rainfall Improves Woody Plant Water Status Most during Drought. *Ecology* 89: 41–47.

Chin, A.R.O., P. Guzman-Delgado, A. Görlich, J. HilleRisLambers. 2023. Towards multivariate functional trait syndromes: Predicting foliar water uptake in trees. *Ecology* 104 (8): DOI: 10.1002/ecy.4112.

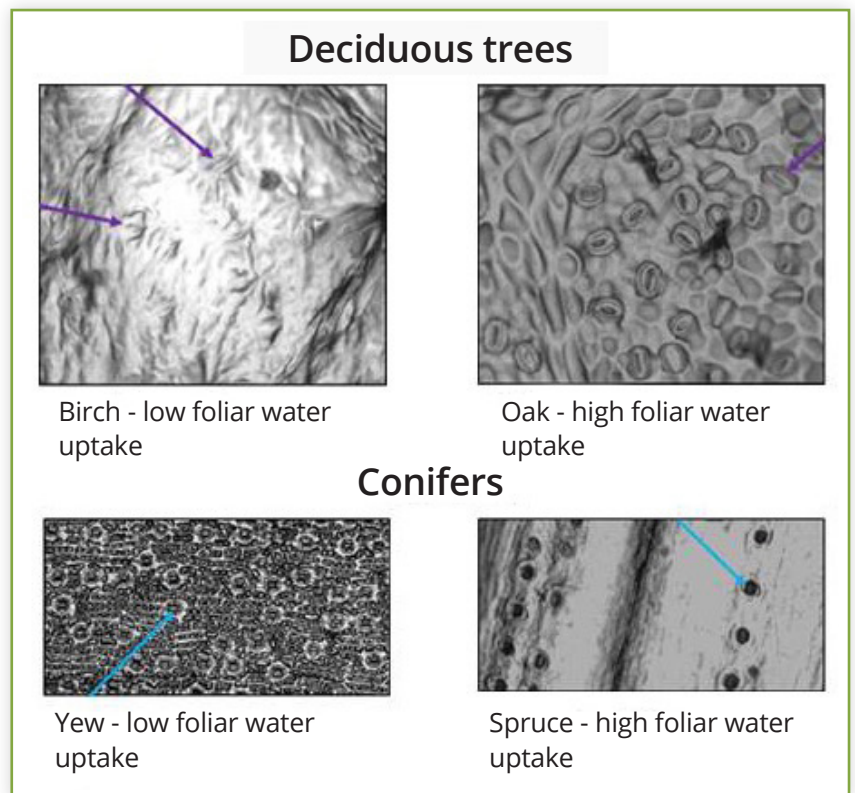


Figure 1. Leaves of deciduous trees absorb water mainly through their stomata (purple arrows), so oaks can absorb more water than birch. Conifers leaves absorb water mainly through the surface cuticle outside of the stomata (blue arrows), so spruce absorbs more water than yew (photographs from Chin et al. 2023).

SMALL GRANT REPORTS

Rivers Edge Trail Native Plant Garden

By Kerry Hovland, Great Falls Flower Growers Club, Tourist Park Chairperson

What started out as a place for Jim and me to spend time next to the Missouri River and the Rivers Edge Trail, has ended up being a serene area for people to slow down and/or stop and view the native plants and artwork.

In 2012 my husband and I started cleaning the Tourist Park, located on our city's beautiful River Edge Trail. We weeded and cut down buckthorn, thistles, Russian Olive, and miles of Engelman's Ivy every spring until 2018. Without constant care, the area became overgrown once again.

In the fall of 2021, I asked the members of The Great Falls Flowers Growers Club if they would be interested in taking on this area and turning it into a native garden.

In the spring of 2022, Cheryl Hagastad and I began ripping miles of vine from the trees, and pruned and weeded every Monday. The City Forestry came in, cut down and hauled away truckloads of Russian Olive and buckthorn, two dead birch trees, and trimmed all the big ash trees. As we would clear an area, Steffen, Trail Coordinator, would lay heavy fabric down and put rocks in, leaving areas for us to plant. By that fall we were ready to plant. We left an



area to devote to our city flower, the iris. Trail artist, Alex, designed a metal iris and pinecone for our garden.

In the spring of 2023, with grants from the Montana Native Society and Plant America, Cheryl and I were able to turn an overgrown neglected area into a beautiful garden. While we are there, tourists from all over stop and tell us how beautiful our town is, and the Rivers Edge Trail is one of the finest in the country.

I want to thank The Montana Native Plant Society. Without your generosity, we wouldn't have been able to finish this project for many years. Thank You.

Native Seed Collection for Forest Service

By Jennifer Robinson, M.Ed., Director of Education, Montana Natural History Center

Thanks to the generous support of the Montana Native Plant Society and the Lolo National Forest, the Montana Natural History Center provided 75 middle school students the opportunity to learn and conduct citizen science in Missoula's Pattee Canyon in 2023.

The field trips, conducted in May and October, were designed to establish or reinforce basic botany and ecology information and provide an opportunity for meaningful citizen science. The field trip curriculum supported Next Generation Science Standards for middle school students.

In May the students were introduced to William Schlegel, Lolo National Forest Botanist. William outlined his work as a botanist and described the seed collection component of the program. Students learned flower structure and function, created a labeled journal entry of a flower, and used field guides to identify their flower. In pairs and small groups, the students wandered (and ran!) through the forest looking for native plants to identify. The day wrapped up with discussion concerning native and non-native species

and pollinators.

In October, the students reviewed flower structure and function, then focused on fruit development and identification. The students were introduced to several native plants they were to search out during the remainder of the field trip, primarily: *Arctostaphylos uva-ursi* (kinnikinnick), *Rosa woodsii* (wild rose) and *Symphoricarpos albus* (snowberry). The seeds from these plants were collected by the students and sent to the Coeur d'Alene Nursery for germinating and transplanting on Forest Service land.

Student engagement during the field trips exceeded our expectations. Students zealously searched for native plants to identify in the spring and seeds to collect in the fall. They proudly revealed discoveries to their teachers and Montana Natural History Center staff and asked William insightful questions. We even heard one student exclaim, "This is the best field trip of the year!"

This enthusiasm demonstrated not only how important it is to get youth outside with learner-directed programming, but also how necessary collaboration is for genuine impact. The Montana Native Plant Society provided the necessary funds to transport students from Clinton and Missoula to the field site. William Schlegel provided an important career connection. Seed collecting gave the students an opportunity to see themselves as scientists and contribute to forest health. Montana Natural History Center staff developed and implemented curriculum designed to educate and inspire. Through the power of collaboration, we achieved our goals to collect seeds for plant rehabilitation efforts and to help middle school youth to appreciate, understand, and revel in native plants.



Elena Ulev, MNHC Naturalist, teaching flower structure and function



Herbalist's Notebook

Using Native Plants for Medicinal Purposes

Figwort

By Robyn Klein, MSc.,
Medical Botanist
Valley of Flowers Chapter

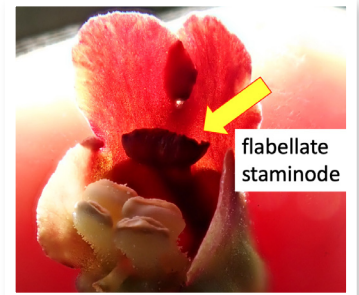
Montana has only one native figwort species, *Scrophularia lanceolata* (hare figwort). The figworts are some of the few genera that didn't recently get transferred to the *Orobanchaceae* or *Plantaginaceae*.

And while figwort may seem weedy, I've used it to fill in spaces in the garden to deter weed competition. Figwort is easy to dig out because of their shallow nodular roots.

Fascinated by the medicinal uses of figwort, I discovered that there are 11 species native to North America. Most herbalists grow *S. nodosa*, a native of Europe that has been introduced to northeastern North America. This species is probably popular because of the history of its use in older European herbals. The leaves were drunk in tea for the treatment of skin problems such as eczema, psoriasis, or any skin condition where there is itching and inflammation.



What's interesting is that research on our figwort has uncovered the compound harpagoside, which possesses anti-inflammatory and pain-relieving properties. Harpagoside was originally found in a plant of sub-Saharan Africa, *Harpagophytum procumbens* (*Pedaliaceae*), called devil's claw for its hooked fruit that impales unwary feet. Devil's claw is still a popular traditional medicine in the herb market for the same reasons as figwort. But because devil's claw root is slow growing, there's been an interest in finding alternatives. Figwort is one such economic alternative.



Keying out the various species of *Scrophularia* is easy because of the various staminode types in this genus. Our species has a "flabellate" or fan-shaped staminode which sets it apart from other North American species.

Bumblebees and wasps love the nectar. Another North American species found in nurseries is "red birds in a tree," *Scrophularia macrantha*. This bright, red-flowered species is mostly ignored by wasps and bees but favored by our Calliope hummingbird.

Photos: *Scrophularia lanceolata* flowers, roots and flabellate staminode, by Robyn Klein

What's Up With the Annual Budget?

As you look at the final budget for 2023 and the proposed budget for 2024, you will note some key differences. In 2024 the MNPS board decided to modify the *Grants and Giving Program* so that it has a separate fund and can grow across years. Donations received by the society will be the funding source and we will be able to easily see how donations directly support projects such as scholarships, grants and gifts. Now the budget will be presented in three parts: the General Fund which includes income from membership dues and expenses related to general operation of the society; the *Grants and Giving Fund*, capturing donations and uses of those funds; and the MNPS Budget Summary that combines the two.

Changing the budget format is not the only modification to the *Grants and Giving Program*. Exciting changes are in the works so that, as a society, we are expanding support for programs and

projects that are important to you, such as native plant gardens and restoration, education programs, research and herbaria. We are updating policies and adding two types of scholarships. As we transition to a new *Grants and Giving Policy*, we are continuing some of our grants and gifts, and others are on temporary hold until we finalize this fall. If you know of projects, events, or ideas that you would like to see MNPS support with the *Grants and Giving Fund*, please contact Annie Garde at anniegarde@yahoo.com.

If you would like to make a donation to boost support of the programs, please use the donation button on our website at mtnativeplants.org, send by mail to Montana Native Plant Society, P.O. Box 8783, Missoula, MT 59807, or donate through the PayPal Giving Fund with no transaction fees at <https://www.paypal.com/us/fundraiser/charity/1231279>.

President's Platform

On a warm, early March day I went to a place where I've often seen my first Montana wildflowers of the year. It's been a relatively open and warm winter, so I hoped I might see some, even though it was earlier than I've usually seen flowers. I walked around a number of spots where in the past I've found the season's first blooms - cushion plants like *Douglasia montana*, *Draba oligosperma*, or *Townsendia hookeri*. But the soil was dry, and I didn't see any flowers or even many buds to indicate that flowers would soon bloom. It seemed that I was too early, and that conditions weren't yet ripe for flowers to open.

And then, at the end of the afternoon as I was making my way back to the road, suddenly there they were. A half-dozen small cushions of *Draba oligosperma* (Few-seeded Draba) growing among the rocks, with tiny bright yellow flowers shining in the early spring sun. They were unexpected, and a joy to see. Life is better with flowers – especially when they catch you by surprise.

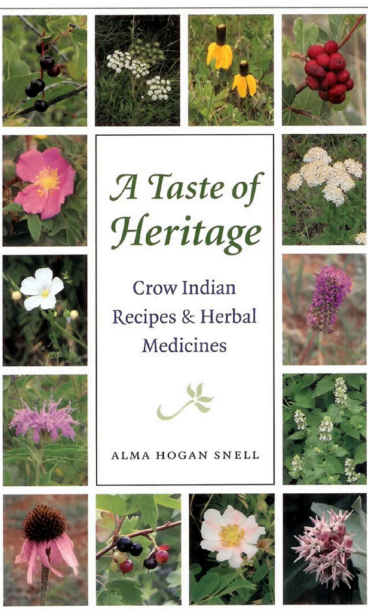


MNPS President, Dave Hanna

Book Review: *A Taste of Heritage: Crow Indian Recipes & Herbal Medicines*, by Alma Hogan Snell

By Robyn Klein, MSc., Medical Botanist, Valley of Flowers Chapter

Alma Hogan Snell (1923-2008) was the granddaughter of the famed Crow medicine woman, Pretty Shield. In *A Taste of Heritage* (2006), Alma shares edible and medicinal plant stories from her life. Alma includes recipes for beaver tail, roasting moose meat in the ground, crushed buffalo bone soup and wild mint sauce for lamb chops. She made sauces from all the fresh berries in her area such as buffaloberry, wild grapes, hawthorn and wild plum. Alma also harvested many wild plants and made them into tea and other dishes such as salify stew, buffalo and cattail stew. Her favorite medicinal plants were yarrow, wild carrot (*Perideridia gairdneri*) and *Echinacea* (*E. angustifolia*). This small book is an important Montana cultural treasure. Alma Snell is also the author of *Grandmother's Grandchild* (2000), the story of her life as a Crow Indian in Montana.



Snell, Alma. *A Taste of Heritage: Crow Indian Recipes and Herbal Medicines*. Lincoln: University of Nebraska Press, 2006.

Snell, Alma. *Grandmother's Grandchild: My Crow Indian Life*. Edited by Becky Matthews. Lincoln: University of Nebraska Press, 2000.

Election Time is Here - Please Vote!

The Board of MNPS asks you to choose our statewide board positions. This year, we're voting for Vice President, Secretary and Eastern Director-At-Large. Please read the candidate profiles and fill out the enclosed ballot, or vote online at <https://www.mtnativeplants.org/election> by June 15. We'll announce the result at the Annual Membership Meeting in the Blackfoot Valley on June 28.

Membership Renewals

If you have not yet renewed this year, your membership expired on February 29th. If you wish to continue receiving information on upcoming events and the newsletter *Kelsey*, please renew! You can do so online at: <https://mtnativeplants.org/membership/#Joining-or-renewing-your-membership-online>, or use the renewal form in this issue of *Kelsey*. Thank you for supporting MNPS!



Honoring Scott Miles with UM Arboretum Tree & Plaque

By Kelly Chadwick, Clark Fork Chapter

Scott Miles, a long-time member of the Montana Native Plant Society, passed away on July 6, 2022.

Last fall, to honor our dear friend, we dedicated a tribute tree in the State of Montana ArboretUM, on the University of Montana campus in Missoula. Scott's friends, the Montana Native Plant Society, and the Lackschewitz Preece Montana Native Botanic Garden generously contributed to installing a plaque near a young Engelmann spruce adjacent to the gardens. The tree, identified as #2734, can be located using ArboretUM Explorer: bit.ly/3SZVuC3.

Scott served as the Secretary for the Clark Fork Chapter of the MNPS in the early 1990s. He played a pivotal role in establishing a formal partnership and drafting a contract between the native garden and the University of Montana to ensure the garden's sustainability. He also advocated for and established a representative from MNPS on the State of Montana Arboretum Committee.

Beyond his contributions to the Society, Scott was a field botanist, riparian specialist, avid cyclist, and traveler. He will be remembered fondly as a good friend and a kind and gentle soul.



GIFTS FROM PRIVATE INDIVIDUALS HELP TO SUPPORT OUR MISSION. WE ARE GRATEFUL TO THE FOLLOWING DONORS FOR THEIR GENEROUS CONTRIBUTIONS IN 2023:

In Memory of Joanne Jennings:

Stephanie Barss
Valley of Flowers Chapter

In Honor of Peter Stickney:

Joyce Schhlieter

In Memory of Deb Erdman:

Mary Swanson

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Name (please print) _____
 Address _____
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 E-Mail _____
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**JOIN, RENEW, OR DONATE
 ONLINE AT
www.mtnativeplants.org**

Please notify us promptly of address changes (physical or email) at mtnativeplantmembership@gmail.com

<input checked="" type="checkbox"/>	Membership Type	Dues
<input type="checkbox"/>	Individual	\$30
<input type="checkbox"/>	Family	\$50
<input type="checkbox"/>	Business/Organization	\$75
<input type="checkbox"/>	Living Lightly/Student	\$20
<input type="checkbox"/>	Lifetime-Individual Only (one-time payment)	\$1,000
<input type="checkbox"/>	Paper Kelseyia Fee Add \$10 if you wish to receive a paper copy of our quarterly newsletter Kelseyia, otherwise an e-version of Kelseyia will be delivered via email	\$10

An **additional donation** to MNPS helps support conservation action, educational programs, and botanical research. Donors will receive acknowledgement of their contribution in the spring issue of *Kelseyia**. You can select from the following giving categories:

	<input type="checkbox"/> Kelseyia — \$50	
	<input type="checkbox"/> Bitterroot — \$100	
	<input type="checkbox"/> Lupine — \$250	
	<input type="checkbox"/> Ponderosa Pine — \$1000	
	<input type="checkbox"/> Other — \$ _____	

- *Check if you wish your donation to be anonymous
- Check if you wish to be contacted for volunteer opportunities

MNPS Chapters and the Areas They Serve

Members are welcome to affiliate with any chapter. Please select your chapter affiliation.

- Artemisia** (Yellowstone, Golden Valley, Musselshell, Rosebud, Treasure, Big Horn, Carbon, & Stillwater Counties)
- Calypso** (Beaverhead, Deer Lodge, Silver Bow & parts of Madison Counties)
- Clark Fork** (Mineral, Missoula, Powell, Granite, Ravalli & parts of Lake Counties)
- Flathead** (Flathead & parts of Lake and Lincoln Counties)
- Kelsey** (Lewis & Clark, Cascade, Pondera, Teton, Chouteau, Judith Basin, Meagher, Broadwater & parts of Jefferson Counties)
- Maka Flora** (Richland, Roosevelt, McCone, Sheridan, Daniels, Dawson, Prairie, Wibaux, Custer, Fallon, Powder River & Carter Counties)
- Valley of Flowers** (Gallatin, Park, Sweet Grass and parts of Madison Counties)
- Eastern-at-Large** (Glacier, Toole, Liberty, Hill, Blaine, Phillips, Valley, Garfield, Petroleum, Fergus, & Wheatland Counties)
- Western-at-Large** (Sanders & parts of Lincoln Counties)

Total Enclosed \$ _____

Make checks payable to: **Montana Native Plant Society**
 Please mail this form with your check to:

**MNPS
 PO Box 8783
 Missoula, MT 59807-8783**

**Welcome to the
 Montana Native Plant Society!**

Membership in MNPS is on an annual basis, March 1st to February 28th. Memberships processed before November 1st will expire the following February 28th. Memberships processed after October 31st will expire February 28th of the year after.



MONTANA NATIVE PLANT SOCIETY

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Missoula, MT 59807-8783

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About Montana Native Plant Society

The Montana Native Plant Society (MNPS) is a 501(c)(3) not-for-profit corporation chartered for the purpose of preserving, conserving, and studying the native plants and plant communities of Montana, and educating the public about the value of our native flora. Contributions to MNPS are tax deductible, and may be designated for a specific project or chapter, for the Grants & Giving Fund, or the general operating fund.

Your yearly membership fee includes an electronic subscription to *Kelsey*, the quarterly newsletter of MNPS. We welcome your articles, field trip reports, book reviews, or anything that relates to native plants or the Society. Please include a line or two of "bio" information with each article. Drawings should be in black ink or a good quality photocopy. All items should be emailed to scottguse@yahoo.com and jenhintzguse@gmail.com, or mailed to: Scott and Jennifer Guse, *Kelsey* Editors, 725 Twin Lakes Road, Whitefish, MT 59937.

Summer issue submission deadline is June 10

Please send web items to our webmasters:

Bob Person and Carol Goffe at mnpwebmaster@gmail.com

Advertising space is available in each issue at \$5/column inch. Ads must be camera-ready and must meet the guidelines set by the Board of Directors for suitable subject matter; that is, be related in some way to native plants or the interests of MNPS members.

If you would like extra copies of *Kelsey* for friends or family, contact the Newsletter co-editors at: scottguse@yahoo.com or jenhintzguse@gmail.com. No part of this publication may be reprinted without the consent of MNPS. Reprint requests should be directed to the newsletter co-editors.

Changes of address and inquiries about membership should be sent to **MNPS Membership, P.O. Box 8783, Missoula, MT 59807-8783.**

Please visit our website at www.mtnativeplants.org

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Moving? Please let us know at mtnativeplantmembership@gmail.com

OFFICIAL 2024 MNPS ELECTION BALLOT

Please vote for the candidate(s) of your choice, or a write-in candidate, including yourself. Fill out and mail to the address on the ballot, or go to the election page online: www.mtnativeplants.org/elections. Terms are two years. Results will be announced at the Annual General Membership Meeting on June 29, 2024 in the Blackfoot Valley near Greenough, Montana.

CANDIDATE FOR VICE PRESIDENT

() **KENDA HERMAN (Incumbant)** - Kenda is a biologist with a background in environmental science and plant ecology. She has worked in a range of roles supporting land management, research, or conservation goals. Kenda lives in Helena, where she is the Botany Data Assistant for the Montana Natural Heritage Program and Citizen Botany Pilot Study Coordinator. Kenda has appreciated many years of membership to the MNPS and is eager to contribute to its leadership team.



() _____ Write-in candidate

CANDIDATE FOR SECRETARY

() **CAMIE WESTFALL (Incumbant)** - Camie has worked as an ecologist, GIS specialist, and data specialist for the last nine years for Montana state agencies, and she is currently serving as the MNPS Secretary. She has been involved with several national and statewide natural resource monitoring efforts such as wetland and riparian assessments, whitebark pine stand monitoring, rangeland health assessments, species of concern documentation, and terrestrial and aquatic exotic species monitoring. She lives in Helena and enjoys exploring nature and participating in the efforts of local conservation and education groups.



() _____ Write-in candidate

CANDIDATE FOR EASTERN DIRECTOR-AT-LARGE

() **KELSEY MOLLOY (Incumbant)** - Kelsey is a Rhode Island native who moved to Montana 10 years ago after attending graduate school in the Canadian prairies. Although she studied grassland birds, she also became acquainted with prairie plants, and has always been passionate about plants. She now works for The Nature Conservancy as a rangeland ecologist in Malta.



() _____ Write-in candidate

CHAPTER AFFILIATION

Please indicate your affiliation. All members previously not affiliated have been assigned to one of the two -at-Large groups.
() Artemisia () Calypso () Clark Fork () Flathead () Kelsey () Maka Flora () Valley of Flowers () Eastern-at-Large () Western-at-Large

Number of paid members in your household _____ **THE MNPS ELECTORAL COLLEGE THANKS YOU!**

From:

Flower
Stamp

To: Montana Native Plant Society
Electoral College c/o Camie Westfall
5730 Racehorse Loop
Helena, MT 59602

Fold here



Lewisia rediviva

Tape here

MONTANA NATIVE
PLANT SOCIETY



MONTANA NATIVE PLANT SOCIETY

ANNUAL MEETING

Prairies to Potholes

Camp Utmost Greenough, MT
June 28–30 2024



Join us to explore the rich history, diverse lands, and plant communities of the Blackfoot Valley, from alpine to forests to wetlands! This family-friendly weekend features workshops, learning, field trips, food, and fun with friends old and new.

Friday workshops

AGENDA

- Friday June 28**
 2:30-6:15 Arrive, register, field trip sign-up
 3:00-6:15 Social and snacks
 3:00-4:30 Workshops (sign up at registration)
 6:30 Dinner (main hall)
 7:00 MNPS Board meeting
 8:00 Ethnobotany talk by Tim Ryan
- Saturday June 29**
 6:30-8:00 Breakfast (main hall)
 8:30-4:30 Field trips (various lengths)
 4:00-5:30 Wayne Phillips Plant ID contest
 5:30-7:00 Dinner (main hall)
 7:00-8:30 General Membership Meeting
 8:30 Field trip slide show
- Sunday June 30**
 7:00-9:00 Breakfast (main hall)
 8:30-9:30 Committee meetings
 10:00 Field trips & workshops depart
 12:00 Break camp

- * **Wildflower Journaling with Kathy Settevendemie** Bring your own journal (if you have one), pen or pencil, small ruler, and a loupe. Bring a phone/camera and bring colored pencils or paints if you'd like to use photos & color.
- * **Moss Identification with Joe Elliott** Learn how to identify some of our common mosses and moss genera. Bring a hand lens and forceps if you have them.

Saturday field trips

- Saturday – All day**
- * **Bandy Ranch** (moderate) A 3- to 4- mile hike up and down low hills in a mosaic of wetlands and prairie. Leader: Peter Husby
 - * **Boyd Mountain Wetlands** (easy) Do some hiking through fens and other with wetlands with Joe Elliott. Look at mosses and wildflowers. Be sure to bring boots or wet shoes.
 - * **Brown's Lake** (easy) Visit grasslands, wetlands and forested wetlands and look for birds along the lake with Dave Hanna (TNC). Be sure to bring boots or wet shoes.
 - * **Clearwater Lake** (easy) Join John Pierce for a 1- to 2-mile hike around the lake shore and forest and a short bushwhack into nearby wetlands to see a bunch of wildflowers. Expect to get your feet wet.
 - * **Blackfoot Community Conservation Area** (moderate) 3-mile hike through open forest, grasslands and some potholes on a community owned and managed property. Leaders: Drake Barton, Elaine Caton
 - * **Kleinschmidt Lake** (moderate) Visit a national wildlife refuge with prairies and wetlands and a lake with numerous waterfowl. Leader: Cedar Brant.
 - * **Lost Prairie** (moderate) Visit The Nature Conservancy property with on-going camas restoration, Salish traditional-use areas, wetlands, small ponds, forests. Leaders: Scott Mincemoyer, Steven Kloetzel
 - * **Monture Hill-Lahrity Lake** (moderate) Join Peter Lesica hiking through forests and grasslands to visit wetlands and a large alkali lake.
 - * **Morrell Falls National Recreation Trail** (moderate) Rachel Feigley and William Schlegel (USFS) will lead a 5.5 mile hike round trip visit to small lakes, wetlands, burned and unburned forests and a waterfall.
 - * **Morrell Ridge** (moderate) Hike on a subalpine ridge between Morrell Lookout and Morrell Mountain; ~ 3 mile round trip with a 500 ft elevation gain, perhaps visit wetlands. Leader: Maria Mantas
 - * **Primm Meadow** (easy) Visit a classic old-growth ponderosa pine forest with trees up to 800 years old, a grassland understory, & an adjacent camas meadow. Leader: Jen McNew (BLM)
- Saturday – Half day**
- * **Bandy Ranch Wildflower Journaling** with Kathy Settevendemie (moderate) Bring your own journal (if you have one), pen or pencil, small ruler, and a loupe. A smartphone or camera is helpful.
 - * **Fawn Pond Trail** (easy) Visit a wetland pond that is headwaters to Fawn Creek, surrounded by aspens and conifer forests. Leader: Alan Davis, Botanist: Jordan Meyer-Morey.
 - * **Kleinschmidt Flats** (easy) Hike through grasslands with ephemeral wetlands on a Five Valleys Land Trust easement at the base of the Scapegoat Mtns. Leaders: Jenny Tollefson & Linden Beegle (FVLT)

Sunday

- Workshop – mid-day**
- * **Introduction to Vascular Plant Identification with Robyn Klein** Learn how to key out unknown plants using plant keys in local plant manuals.
- Field trips – mid-day**
- * **Dendrites on the Blackfoot** (easy) A 0.5-mile hike (one way) along the Blackfoot River upstream of Johnsrud Park. Check out the dendrites and wildflowers along the river with Peter Lesica.
 - * **Lion Creek Trail** (moderate) A 1- or 2-mile (one way) hike with Maria Mantas to visit open slopes with bedrock plant communities and perhaps an old-growth forest. Trailhead is ~ 4 miles from Hwy 83.
 - * **Primm Meadow** (easy) A 1-mile hike (one way) with Steven Kloetzel to a classic old-growth ponderosa pine forest with trees up to 800 years old, a grassland understory, and an adjacent camas meadow.
 - * **Rogers Pass** (easy) Take a short hike with Scott Mincemoyer on the ridge crest north of Rogers's Pass to see cushion plants growing in this wind-swept subalpine environment.
 - * **Blackfoot Pathways: Sculptures in the Wild Park** (easy) Learn about art from nature on your way home. Ecologist Steve Cooper and artist Rosella Mosteller share their perspectives. East of Lincoln on Hwy 200.

Registration form (or online at mtnativeplants.org/annual-meetings/)

Adult registration (ages 12+) On or before May 31	Members ___ x \$30	Non-members ___ x \$40	Total \$ _____
Adult registration (ages 12+) After May 31	Members ___ x \$35	Non-members ___ x \$45	Total \$ _____
Saturday only registration (no lodging)	Members ___ x \$12	Non-members ___ x \$20	Total \$ _____
Student/living lightly	Members ___ x \$12	Non-members ___ x \$15	Total \$ _____
Child registration (under 12) Free <i>Swings, basketball, foosball, carpetball, ping pong, pool table</i>	Optional chaperoned kids' activities on Saturday, 8:30 AM – 2:00 PM Saturday kids' activities: # ages 2-4 _____ # ages 5-11 _____		
LODGING			
Dorm (4 beds – bunked)	# adults ___ x \$20	# children ___ x \$10	Total \$ _____
Dorm (2 double beds)	# adults ___ x \$25	# children ___ x \$10	Total \$ _____
Dorm (ADA accessible)	# adults ___ x \$20	# children ___ x \$20	Total \$ _____
Cabin bed	# adults ___ x \$15	# children ___ x \$5	Total \$ _____
RVs	# sites ___ x \$10		Total \$ _____
Tents	# sites ___ x \$5		Total \$ _____
WORKSHOPS			
FRIDAY, June 28 3:00 – 4:30 PM Wildflower Journaling with <i>Kathy Settevendemie</i>	# adults _____		Free
FRIDAY, June 28 3:00 – 4:30 PM Moss Identification with <i>Joe Elliott</i>	# adults _____		Free
SUNDAY, June 30 10:00 AM – 11:30 PM Intro to Vascular Plant ID with <i>Robyn Klein</i>	# adults _____		Free
MEALS			
Friday dinner <i>Meat - Pulled pork or turkey, baked beans, potato salad (from Notorious PIG), salad bar, dessert</i>	# adults <i>Meat</i> ___ x \$15	# children <i>Meat</i> ___ x \$8	Total \$ _____
<i>Vegetarian – Pan-fried tofu, cashews, bell peppers, carrots, scallions and onions, rice (from Rice Thai), salad bar, dessert</i>	# adults <i>Veg</i> ___ x \$15	# children <i>Veg</i> ___ x \$8	Total \$ _____
Saturday breakfast <i>Steel-cut oatmeal, Bagel Co. bagels with cream cheese, yogurt, granola, fresh fruit, coffee, tea, & juice</i>	# adults ___ x \$10	# children ___ x \$5	Total \$ _____
Saturday dinner <i>Meat - Marinated baked chicken, baked potato bar, salad, apple crisp (ice cream optional)</i>	# adults <i>Meat</i> ___ x \$15	# children <i>Meat</i> ___ x \$8	Total \$ _____
<i>Vegetarian - Gourmet potato bar with protein, salad, apple crisp (ice cream optional)</i>	# adults <i>Veg</i> ___ x \$15	# children <i>Veg</i> ___ x \$8	Total \$ _____
Sunday breakfast <i>Breakfast casserole (sausage, cheese and vegetarian), pancakes, fruit, coffee, tea, & juice</i>	# adults <i>Meat</i> ___ x \$10 # adults <i>Veg</i> ___ x \$10	# children <i>Meat</i> ___ x \$5 # children <i>Veg</i> ___ x \$5	Total \$ _____ Total \$ _____
TOTAL			Total \$ _____

Name(s): _____

Address: _____ **City:** _____ **State:** _____ **Zip:** _____

Phone: _____ **E-mail:** _____

I (we) hereby indemnify and hold harmless the Montana Native Plant Society (MNPS) and its board of directors and members against claims of liability, damages, and injury that may arise out of my (our) participation in MNPS activities at Camp Utmost and related field trips, June 28-30, 2024.

Make checks payable to MNPS. Send this part of the registration form and payment to: MNPS c/o Janet Simms, 910 Ronald, Missoula, MT 59801 or register and pay at mtnativeplants.org/annual-meetings/

Signature(s): _____

Lodging at Camp Utmost: Guests bring their own bedding & towels. Four types of lodging are available with preference given based on date of registration:

- 1) 8 log cabins with multiple bunk beds that each sleep up to 16 people. There are 2 bath houses with multiple restrooms and showers (with stalls) located nearby for those staying in cabins, tents, and RVs.
- 2) Rooms in the dormitory: 10 bedrooms are located in the 2-story dorm. Rooms have ensuite bathroom and showers and are furnished with bunkbeds or double beds. One room is ADA accessible.
- 3) 20 RV spaces are available with electrical hook-ups, with additional spaces for dry-docking.
- 4) Tent camping (unlimited).

Additional lodging nearby in Ovando:

Ovando Inn (406-793-5555)

More lodging in Seeley Lake, including:

Tamaracks Resort (406-677-2433)

Base Camp Lodge (406-677-2848)



Meals: Meals catered or provided by the Clark Fork chapter. See above for food details – dairy-free and gluten-free options available. *Friday:* Social and snacks before dinner (info provided at registration). Dinner to follow, main hall. *Saturday:* hot and continental breakfast in the main hall; lunch on your own; dinner in the main hall. *Sunday:* hot and continental breakfast, main hall.

Please note: 1) Camp Utmost asks attendees to avoid the use of alcohol, cigarettes, and non-prescription drugs on the grounds.

2) No pets allowed on the grounds.

Address: 12901 Camp Utmost Way Greenough, MT 59823

Getting there: Camp Utmost is located at Mile 30.5 of Hwy 200, 42 miles east of Missoula and 1.5 miles west of the junction of Hwy 200 and Hwy 83 (a.k.a. Clearwater Junction / the Big Cow).

MNPS 2023 BUDGET --12/31/2024 Prepared by: Laurie Kurth

	<u>Proposed Inc.</u>	<u>Income</u>	<u>Proposed Exp.</u>	<u>Expenses</u>	<u>Proposed Var.</u>	<u>Variance</u>
<u>GENERAL OPERATING EXPENSES</u>						
Membership	\$20,000.00	\$24,305.00	(\$5,200.00)	(\$5,682.20)	\$14,800.00	\$18,622.80
Dues and Fees	\$20,000.00	\$24,305.00	(\$1,000.00)	(\$1,191.20)		
Chapter Portion	\$0.00	\$0.00	(\$4,200.00)	(\$4,491.00)		
Newsletter	\$1,000.00	\$560.00	(\$9,000.00)	(\$8,798.80)	(\$8,000.00)	(\$8,238.80)
Operating Budget	\$5,000.00	\$11,141.02	(\$7,650.00)	(\$4,214.30)	(\$2,650.00)	\$6,926.72
Awards	\$0.00	\$0.00	(\$600.00)	\$0.00		
Committees	\$0.00	\$0.00	\$0.00	\$0.00		
Board Expenses	\$0.00	\$0.00	(\$750.00)	(\$974.11)		
Interest	\$0.00	\$756.02	\$0.00	\$0.00		
Website	\$0.00	\$0.00	(\$1,000.00)	(\$435.00)		
Donations	\$5,000.00	\$10,350.00	(\$300.00)	(\$322.11)		
Publications	\$0.00	\$35.00	(\$500.00)	(\$495.00)		
Operating Expenses	\$0.00	\$0.00	(\$4,000.00)	(\$1,988.08)		
At-Large Expenses	\$0.00	\$0.00	(\$500.00)	\$0.00		
GOE TOTALS	\$26,000.00	\$36,006.02	(\$21,850.00)	(\$18,695.30)	\$4,150.00	\$17,310.72
<u>SPECIAL PROJECTS</u>						
Small Grants Fund	\$0.00	\$0.00	(\$4,600.00)	(\$5,350.00)		(\$5,350.00)
UM Herbarium Donation	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
MT Audubon Donation	\$0.00	\$0.00	(\$1,000.00)	(\$1,000.00)		(\$1,000.00)
Chapter Projects	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Annual Meeting	\$5,000.00	\$6,800.00	(\$5,000.00)	(\$5,000.00)		\$1,800.00
Plant Conservation Conference	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Citizen Botany Project	\$0.00	\$0.00	(\$5,000.00)	(\$5,000.00)		(\$5,000.00)
MNPS Presents!	\$0.00	\$0.00	(\$1,200.00)	(\$600.00)		(\$600.00)
SPECIAL PROJECTS TOTALS	\$5,000.00	\$6,800.00	(\$16,800.00)	(\$16,950.00)	(\$11,800.00)	(\$10,150.00)
TOTALS	\$31,000.00	\$42,806.02	(\$38,650.00)	(\$35,645.30)	(\$7,650.00)	\$7,160.72

	<u>Proposed Inc.</u>	<u>Income</u>	<u>Proposed Exp.</u>	<u>Expenses</u>	<u>Proposed Var.</u>	<u>Variance</u>
MNPS BUDGET SUMMARY						
General Fund	26700.00	12036.67	(35800.00)	(6696.77)	(9100.00)	5339.90
Grants and Giving Fund	7100.00	6951.96	(6050.00)	0.00	1050.00	6951.96
TOTALS	33800.00	18988.63	(41850.00)	(6696.77)	(8050.00)	12291.86

GENERAL FUND

GENERAL OPERATING EXPENSES

	<u>Proposed Inc.</u>	<u>Income</u>	<u>Proposed Exp.</u>	<u>Expenses</u>	<u>Proposed Var.</u>	<u>Variance</u>
Membership	20000.00	11580.00	(5000.00)	(583.24)	15000.00	10996.76
Dues and Fees	20000.00	11580.00	(1000.00)	(583.24)	19000.00	10996.76
Chapter Portion	0.00	0.00	(4000.00)	0.00	(4000.00)	0.00
Newsletter	1000.00	280.00	(9000.00)	(1768.45)	(8000.00)	(1488.45)
Operating Budget	700.00	176.67	(13100.00)	(3845.08)	(12400.00)	(3668.41)
Awards	0.00	0.00	(600.00)	0.00	(600.00)	0.00
Committees	0.00	0.00	(1000.00)	0.00	(1000.00)	0.00
Contracts	0.00	0.00	(6500.00)	(1716.00)	(6500.00)	(1716.00)
Board Expenses	0.00	0.00	0.00	0.00	0.00	0.00
Interest	700.00	80.67	0.00	0.00	700.00	80.67
Website	0.00	0.00	(1000.00)	0.00	(1000.00)	0.00
Zoom	0.00	0.00	(800.00)	(103.76)	(800.00)	(103.76)
Donations	0.00	50.00	0.00	0.00	0.00	50.00
Publications	0.00	46.00	(500.00)	0.00	(500.00)	46.00
Operating Expenses	0.00	0.00	(200.00)	(25.32)	(200.00)	(25.32)
At-Large Expenses	0.00	0.00	(500.00)	0.00	(500.00)	0.00
Transfer between GF and G&G funds	0.00	0.00	(2000.00)	(2000.00)	(2000.00)	(2000.00)
GOE TOTALS	21700.00	12036.67	(27100.00)	(6196.77)	(5400.00)	5839.90
<u>SPECIAL PROJECTS</u>						
Annual Meeting	0.00	0.00	0.00	0.00	0.00	0.00
Plant Conservation Conference	5000.00	0.00	(5000.00)	(100.00)	0.00	(100.00)
Citizen Botany Project	0.00	0.00	(2500.00)	0.00	(2500.00)	0.00
MNPS Presents!	0.00	0.00	(1200.00)	(400.00)	(1200.00)	(400.00)
SPECIAL PROJECTS TOTALS	5000.00	0.00	(8700.00)	(500.00)	(3700.00)	(500.00)
GENERAL FUND TOTALS	26700.00	12036.67	(35800.00)	(6696.77)	(9100.00)	5339.90

GRANTS AND GIVING FUND

	<u>Proposed Inc.</u>	<u>Income</u>	<u>Proposed Exp.</u>	<u>Expenses</u>	<u>Proposed Var.</u>	<u>Variance</u>
INCOME	7100.00	6951.96	(300.00)	0.00	6800.00	6951.96
Donation	7000.00	4950.00	(300.00)	0.00	6700.00	4950.00
Other	0.00	0.00	0.00	0.00	0.00	0.00
Interest	100.00	1.96	0.00	0.00	100.00	1.96
Transfer between GF and G&G funds	0.00	2000.00	0.00	0.00	0.00	2000.00
GRANTS AND GIVING	0.00	0.00	(5750.00)	0.00	(5750.00)	0.00
Scholarships	0.00	0.00	0.00	0.00	0.00	0.00
Grants (Solicited)	0.00	0.00	(2000.00)	0.00	(2000.00)	0.00
Gifts (Unsolicited)						
MT Herbaria Donation	0.00	0.00	(2000.00)	0.00	(2000.00)	0.00
MT Audubon Donation	0.00	0.00	(1000.00)	0.00	(1000.00)	0.00
Other	0.00	0.00	(750.00)	0.00	(750.00)	0.00
Chapter Projects	0.00	0.00	0.00	0.00	0.00	0.00
GRANTS AND GIVING FUND 2024 TOTALS	7100.00	6951.96	(6050.00)	0.00	1050.00	6951.96
Carryover from previous year	0.00					
GRANTS AND GIVING FUND AVAILABLE FUNDS		6951.96				