



# Missouri Native Plant Society

## Hawthorn Chapter

### Newsletter

Volume 37, Number 2

Hawthorn Chapter Officers:

President

Elena Vega

573-999-6123

[elenavega@aol.com](mailto:elenavega@aol.com)

Vice President

Nadia Navarrete-Tindall

[nativeplantsandmore@gmail.com](mailto:nativeplantsandmore@gmail.com)

Secretary

Emily Beckett

314-346-1537

[emily@emilybeckett.com](mailto:emily@emilybeckett.com)

Treasurer and Membership

Diane Privitt

3810 Koala Dr

Columbia MO 65202

[privittdd@gmail.com](mailto:privittdd@gmail.com)

Chapter Representative

Cindy Squire

[cysquire@me.com](mailto:cysquire@me.com)

Web Master

Doug Miller

[the.douglas.miller@gmail.com](mailto:the.douglas.miller@gmail.com)

Web site:

<http://columbianativeplants.org>

The Hawthorn Chapter of the Missouri Native Plant Society Newsletter is published monthly. Send submissions by the 26<sup>th</sup> of every month to:

Communications Editor

Becky Erickson

573-657-2314

[beckyerick711@centurylink.net](mailto:beckyerick711@centurylink.net)

PO BOX 496

Ashland, MO 65010

We would like to read about announcements, impressions, species accounts, photos, poems, links to scientific articles or other creative nature writing from you, too. Please submit during the second half of every month.

This is the 37th year Hawthorn has supplied a newsletter to chapter members.

February 2022

### Future Activities Calendar

**Our traditional meeting time is second Mondays at 6:30.**

**We will present a ZOOM meeting Mon 14 February.**

**You will receive a link the weekend before.**

**Wed 2 Feb. 4pm** Join veteran naturalist and MPF Vice President of Science & Management Bruce Schuette for a **tour of these two fascinating types of prairies – loess and sand - in this free webinar.** The 45 min webinar will be held via Zoom, recorded, and sent to all registrants as well as posted to our YouTube channel. [Register Here](#)

Ecologists have defined 12 different kinds of prairie in Missouri—each with their own assemblage of plants and animals that is slightly or markedly different from other prairie types. Two of the rarest prairie types in Missouri are loess hill prairies and sand prairies.

### Link will open ~6pm for socializing. Joanna Reuter is our 14 Feb Mtg Presenter.



iNaturalist as a tool to enhance understanding of Missouri's flora: In her talk, Joanna will share her enthusiasm for iNaturalist, a citizen science website that documents occurrence of organisms on a global scale through input from users via an easy-to-use app. The talk will emphasize how iNaturalist can contribute to our understanding of Missouri's flora, and it will feature examples of interesting plants observed as part of the Missouri Botanists Big Year 2021 iNaturalist project. Ed note: see January Petal Pusher to understand BBY.

### Elena's agenda for our meeting:

1. Presentation
2. Review and approval/corrections of the November and December meeting minutes.
3. Reports from
  - a. V.P. Nadia: Upcoming presentations
  - b. Treasurer Diane: status report
  - c. Communications/Becky: thank everyone for sending submissions for the Petal Pusher
  - d. State Rep Cindy: info from State meeting
  - e. Adopt a spot rain garden Cindy
  - f. Becky and Louise: Plant, t-shirt and book sales and events in 2022 including Birds and Bees event in Arrow Rock, Bradford Farm, Bass Pro, Earth Day, etc.

### Wed 16 Feb 6 p.m CT Wild Ones Presents "[Genetic Diversity and Plant](#)

[Preservation](#)" a Free Webinar Featuring Neil Diboll. You must register soon to get the link to attend webinar and for later viewing. This is a very important topic to understand and the speaker is broadly knowledgeable.

**Mon 14 March 6:30 Chapter Zoom meeting.** In John Miller's half hour presentation, "Love Letters to Plants From Amphibians and Reptiles", he explains how native plants ensure survival for future generations of herps. Presentation followed by discussion on logistics for nursery activity and possible spring mosey. Link will be open ~6pm for socializing.

Be sure to check on the MPF/GN site under Activities for webinars on **alternate Wednesday afternoons at 4pm.** January's were about glade management and forest health. Our chapter pays to be a member so these on-line activities are free to you as a member. However, if you feel they are giving you a good education, a donation is welcomed.

## GOLD LINKS

All new MPF/GN events posted here:  
<https://grownative.org/events/>

## Sign up for MO Prairie Journal

<https://moprairie.org/mission/missouri-prairie-journal/>  
Find links to educational webinars every Wed afternoon on the MPF site.

The presentation at the Jan meeting was about bumble bees; Emily found the link to watch the [PBS Nature program about bees](#).

Christi wants to share:  
<https://news.yale.edu/2021/10/14/weed-winter-how-plants-detect-seasonal-changes>

## Smithsonian's The Plant Press

Intriguing articles and essays from newly identified plants to artists found in archives. Newest edition of [The Plant Press](#) is available. You can sign up to receive this newsletter personally in upper right corner.

Elena offered to share this article on [butterfly identification](#) from MPF.

Excellent info from GN [Native Landscape Care Calendar](#) - for pros and homeowners. Also - a brief [one-page care overview](#)  
And just added: [extensive Butterfly Host Plant list](#)

You can now [subscribe to National Geographic Magazine](#) on line for \$19/year.

## Dates for our spring booth set-ups and plant sales. Mark your calendars now!!

9 April, 10-1 at Bradford Farms

24 April Earth Day via Peace Nook: street fair as before 2020 until something different.

22 May, 10-1 at Bass Pro

Dates for the following activities will be decided during appropriate meetings; all need discussion and agreement.

Joanna is offering a tour of her **restoration efforts and lessons on using iNaturalist** at Chert Hollow Farm. Since 2006, Eric and I have been managing the landscape at Chert Hollow Farm in northern Boone County for sustainable food production and biodiversity. The landscape includes a mix of habitats, including forest, pasture, orchard, and prairie restoration. We've been using iNaturalist to document the biodiversity here for several years, but there's always more to see and learn. We propose an iNaturalist get-together here for those who would like to practice using the app and website; we'll make some observations, then sit outdoors within WiFi range to identify and submit the observations. We're also always happy to talk about land management with anyone who is interested. Due to limited parking, we'll ask for participants to organize car pools. We're about 12 miles north of Columbia; specific directions will be sent by email to people with reservations. Starting off the season with this new skill should be organized when the weather breaks in March.

She is also offering to guide moseys to two near-by areas

**Pinnacles Youth Park** in northern Boone County features a narrow limestone ridge with natural arches. In addition to the geologic interest, the park hosts a very diverse and interesting set of plants, including woodland wildflowers, cliff-associated species, and small patches of prairie/glade-associated plants. Hikes vary from easy to rugged. Some routes require crossing Silver Fork Creek; waterproof boots are often helpful for this. Interesting plants can be accessed via an easy-moderate hike with no stream crossings. The choice of route can be adjusted based on weather conditions and to suit the comfort level of field trip attendees. April to early June offers a diversity of spring ephemerals.

**Rocky Fork Lakes Conservation Area** is dominated by land used for coal strip mining, but amongst the old mining scars are two patches of prairie with considerable diversity. The southern prairie is a new destination for this group. The hike of a bit over a mile each way is well worth the effort for the reward of visiting this biodiverse and beautiful prairie with species including wild indigo, wild quinine, compass plant, coreopsis, rattlesnake master, prairie blazing star, and more. June through August presents the best diversity here.

## MONPS Weekends in 2022: Dates, Locations, Potential Mosey Sites

**Spring April 1-3 Bolivar:** Corry Flat Rocks, Bona Glade, Schuette Prairie

**Summer June 3-5 Festus:** Don Robinson SP, Valley View Glades, Hickory Canyon, Victoria Glades, Washington SP

**Fall September 16-18 Eagleville:** Dunn Ranch, Rolling Thunder Prairie (IA)

More details can be found in upcoming Petal Pusher and later on the MONPS website. These weekends are very educational and FUN!

## Announcements

Welcome to new member Peter Schauer of Booneville. Hope to meet you soon!

Thanks to Jayne for getting Earth Day Info.

Thanks for submission from Nadia.

## Tick Study Interim Results

MDC and A.T. Still University in Kirksville partnered in a new research study asking people to save ticks they encounter and mail them to the University. The ticks will be used for two-year scientific research study to help better understand the statewide distribution of tick species and the human pathogens they carry. [Get more information and images](#)

Since this is a 2-year study, [you can submit ticks this year](#)

To learn more about Deep Roots KC or to view previous educational webinars, visit <https://deeprootskc.org/>

## Public Enemy #1

I have killed eight this fall.



PLEASE be aware and act. Perfectly camouflaged, this oriental mantis waits on flowers to eat EVERYTHING that lands on it: all beetles, butterflies, bees, other mantids, hummers, and finches who come for seed. It is imperative to rid your area of this ecological menace. Catch and kill the bird-sized adults.

Egg cases look like a tan foam golf ball stuck on a vertical twig/wire.



Put them in a jar over a year, or soak them in something flammable and light on fire to be sure they are dead before disposing in the trash.



## Arrowhead - aka wapato or duck potato (*Sagittaria latifolia*)

Text and Photos by Nadia Navarrete-Tindall

Left: Arrowheads grown in tubs at the Finca EcoFarm at Lincoln U.  
Right: Tubers harvested in December 21.



We know *Sagittaria* tubers are edible. We needed to know if it would be feasible to raise *Sagittaria* in containers as a food crop. In June 2020, three tubers were established per five-gallon container with raised bed soil mix from Bluebird Compost covered with about a foot of water. From observations for the last 2 years (2020 and 2021), tuber production and size is higher under moderate shade with an average yield of 30 tubers per container. We found that our resident groundhogs like the leaves so that reduced production in some plants. Based on personal conversations with workers at the Missouri Wildflower Nursery, the number of tubers seems to be higher when plants are grown in tight containers, so we plan to follow their advice. We will continue evaluating these plants in 2022 under different shade levels in pots of different sizes and supply better protection from wildlife.

## VOLUNTEERING OPPORTUNITIES

Consider participating in [Project Budburst](#). “Budburst is a collection of researchers, educators, gardeners, and community scientists working together to illustrate the human impacts on the natural world around us. We tell that story through data collection, data sharing, education, and personal connections. [Phenology](#) is the study of the timing of the biological events in plants and animals, such as flowering, leafing, hibernation, reproduction, and migration. Community scientists like you will help us collect data on how plants respond to climate change by tracking their phenology over time. The more data you collect, the more we can understand the effects of climate change, and develop ways to mitigate it.” Copied from the Budburst home page.

**Birds? Why birds?** Because of the inseparable relationship plants and birds have. Besides, they are incomparably CUTE! [Great Backyard Bird Count](#) is easy and convenient. You can do it from your window or with a few minutes outside from the edge of your yard. Watch the video on the site. Practice one or two days when it is very cold and/or snowy to get some baseline data. Then you are ready to help global citizen scientists gather data 18-21 February. – Hint - a few feeders help to concentrate birds = easier to count.

Many of you have expressed interest in helping to manage the myriad of native plant gardens around town and at Columbia Public Schools as a reason to get outside and a process of education. Doing this community service is applicable to your MMN re-pay requirements. Even if you have not had MMN training, working in these gardens will help you learn how to recognize good native plants from undesirables. Lea is the leader for this volunteer group [named Volunteer of the Month by City of Columbia last summer].

Activities are announced weekly, so sign up now to know when and where to get started. Lea knows where all the gardens are and offers a schedule, received from her by email, when group weeding parties occur. If you have confidence in your knowledge of species recognition, don't be shy! – ask Lea for a garden and do what you can to remove ‘bad plants’ when you want to work. If you need assistance with id and technique, go with a group several times before you strike out on your own. [langtrea@gmail.com](mailto:langtrea@gmail.com) call or text 864-7647.

If you ever want to participate in these activities, please contact Lea at [langtrea@gmail.com](mailto:langtrea@gmail.com). Photos of these projects are in a Powerpoint I did last year: [Lea's Outdoor Native Plant Classrooms](#)



Link to

## Braiding Sweetgrass

by Robin Wall Kimmerer. If you want to assist Robin's cause with a purchase of one or more of her books, please do. If you cannot afford this purchase at this time, [this link is a gift of a free download](#).

## Links to two of our Chapter Autumn Zoom Presentations

[Lea's Outdoor Native Plant Classrooms](#)

[Becky's Pollinator ID & Garden Plants:](#)

(the NOTES show up in the bottom; you need to click "notes" at the bottom of the screen to see verbiage).

[St Louis chapter presentations are posted on the state website](#)

**Ubiquitous Plastic** from NatGeo weekly e-newsletter 27Aug 2021.

[Midway](#) through it explains the complete plastic cycle.

Drying polyester fabrics in a tumble dryer throws microplastics into the air.

## Volunteer of the Month - Jayne Young

Jayne Young is one of the City of Columbia's strongly devoted volunteers. Jayne's service began when she joined the Park Patrol in 2003, helping keep our trails and parks safe and well maintained.

Fast forward to 2019 when Jayne began volunteering at the Earth Day festival to help support the City's commitment to recycling and waste reduction. Since, Jayne has become a part of many programs such as Recycling Ambassadors, TreeKeepers, Litter Pickup Events, and Parks & Recreation events.

Volunteering gives Jayne a sense of peace and connection. She says that "meeting new people with similar interests in caring for the community" is what keeps her motivated. Jayne believes that every person can make a difference, and she plays an active role in this change herself. Jayne works hard to strengthen our community through all of the programs she's a part of.

Jayne brings care and kindness to every event she works at. You may meet her while she is helping at a City event! We are greatly appreciative of all her time spent promoting waste reduction and ecosystem beautification.



[Read about other Volunteers of the Month who are Hawthorn members](#)

[Lea Langdon](#) July 2020

[Debbie Lacy-Anderson](#) August 2019

[Gary and Linda Shilito](#) June 2016

[Mike Trial](#) March 2016

[Bob Bailey](#) January 2013

[Microplastic pollution lingers in rivers](#) for years before entering oceans. Water dynamics can trap lightweight microplastics that otherwise might float. Northwestern University, 12 Jan 2022. Summary: Because rivers are in near-constant motion, researchers previously assumed lightweight microplastics quickly flowed through rivers, rarely interacting with riverbed sediments. With new simulations, researchers now have discovered hyporheic exchange -- a process in which surface water mixes with water in the riverbed -- can trap lightweight microplastics that otherwise might be expected to float.



15 January snow  
BE photo

## Topics for This Years' Petal Pusher

the state MONPS newsletter

### Petal Pusher Topics for 2022

Due date	Pub Date	Theme	Contributors
Feb 20	Mar 1	Native Plants in Schools	-Dana Thomas
April 20	May 1	Past Contributions of MONPS	-Malissa Briggler
June 20	July 1	All About Botanical Latin	-James Trager??
Aug 20	Sept 1	Parasitic Plants	-??
Oct 20	Nov 1	Invasive Species Control for Winter	-Malissa
Dec 20	Jan 1	MONPS Chapters	-Dana Thomas (develop questionnaire)

Send submissions attached in Word format.

Send photos attached separately in jpg format.

To: Pam Barnabee [pamela.barnabee@gmail.com](mailto:pamela.barnabee@gmail.com)

**You don't need to be an expert,** but if you have good repeatable experience as a naturalist on any of these subjects, you are welcome to offer your knowledge to the rest of us.

If we have members who are curious about any of these topics, Michelle Pruitt [[michelle.pruitt@gmail.com](mailto:michelle.pruitt@gmail.com)] is willing to do an amateur proofread for you if that would be helpful. Send to her early!

**ALWAYS - 20<sup>th</sup> of even numbered months. If you don't understand subjects, parameters, or submission format, contact Michelle Bowe, PP editor [MBowe@MissouriState.edu](mailto:MBowe@MissouriState.edu).**

- Potential Emerging Invaders. **Have you seen a new plant invader?** Someone from MoIP as contributor; Malissa Briggler volunteered. Any one of us could study invasive plants; MPF Journal featured invasives during 2020. Just search 'invasive plants' and pick one to report on.

- Favorite Natural Areas. Suggested to also have chapters solicit articles from their members. This means YOU can write about your favorite Natural Area

- Better Know a Genus. These are species accounts. You observe/research a species or genus and describe the whole life cycle including preferred habitat and vectors/predators.

Regular Recurring Columns:

**Conundrum Corner** Contributors needed!

**Invasive Tip of the Month** Tips to identify and eradicate invasives, with a different species in each issue. Contributors needed!

Other Recurring Columns: **Casey's Kitchen** Casey Burks

**Name Change of the Month** Justin Thomas. Other volunteers welcome.

**Poetry Corner or Quotation Corner** Send suggestions for poems or quotes for inclusion. Note that for poems, we must have permission from the publisher.

**Where are we going** Features we will see on the next field trip. Malissa Briggler?

**And here's where you can become newsletter famous by submitting your questions: <https://monativeplants.org/ask-a-question>**

**Ask a question** Questions from website, answered. Facilitated by Jerry Barnabee.

## Please Step Forward For Service

Please contact one of the officers to volunteer a little time to a very good environmental and educational service. We need people to serve as officers, to grow plants for fundraising, to man our information booth at events such as Earth Day and Bradford Plant Sale, and to care for native gardens in public places.

### MEMBERSHIP FORM

Missouri Native Plant Society  
Hawthorn Chapter

How were you attracted to join MONPS?

Membership runs from July 1 through June. You must be a member of the State Missouri Native Plant Society (MONPS) in order to join a chapter. You may send state and chapter dues to our membership chair, Paula Peters.

Please check membership category you desire:

**Minimum required annual membership per household is \$10 for students or \$15 for non-students [state+chapter]**

\*These amounts include both state and chapter dues

\_\_\_\_ Student \$10.00\*

\_\_\_\_ Goldenrod \$15.00\*

\_\_\_\_ Sunflower \$30.00\*

\_\_\_\_ Blue Bell \$55.00\*

\_\_\_\_ Blazing Star \$105.00\*

\_\_\_\_ Surcharge for paper state Petal Pusher by mail (+\$10.00)

\_\_\_\_ Chapter only \$5.00 – this option is for members who already belong to State and another chapter

\_\_\_\_ Amount Paid

Make checks payable to:

**Missouri Native Plant Society**

**Mail payment and this form to:**

**Diane Privitt**

**3810 Koala Dr**

**Columbia MO 65202**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Home \_\_\_\_\_

Cell \_\_\_\_\_

E-mail: \_\_\_\_\_

Newsletters and messages will be sent by email