

# Newsletter

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**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*

Jayne Young

803 Park deVille Place

Columbia MO 65203

[youngjayne70@gmail.com](mailto:youngjayne70@gmail.com)

*Chapter Representative*

Cindy Squire

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

The Hawthorn Chapter of the Missouri Native Plant Society Newsletter is published monthly. We would like to read about announcements, impressions, species accounts, photos, poems, links to scientific articles or other creative nature writing **from you, too**. Send submissions before the 26<sup>th</sup> of every month to:

*Communications Editor*

Becky Erickson

573-657-2314

[beckyerick711@gmail.com](mailto:beckyerick711@gmail.com)

PO BOX 496

Ashland, MO 65010

This is the 38th year Hawthorn has supplied a newsletter to chapter members. All newsletters since 2008 are archived on our website.

*Web Master*

Doug Miller

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

*Web site:*

<http://columbianativeplants.org>

## A Welcome Note from the President -Elena Vega

We are looking forward to a wonderful year of activities including our regular meetings, lunches and moseys. According to **Missouri Orchids** by Bill Summers, we have four different native orchids right here in Boone County and this year my goal is to find them all. On two different walks last year I noticed the leaves of the *Aplectrum hymale* (Adam-and-Eve orchid or putty orchid) at the Columbia Audubon Society's Wild Haven Nature Area but I did not have the chance to see them in bloom. They are known to bloom from mid-May to early June, so maybe this year. In late August 2023, I discovered *Spiranthes lacera* (Slender ladies' tresses) growing on a hillside of hickory, oak and walnut trees in my front lawn where we had not mowed because it was so dry. In addition, the *Cyripedium calceolus* (Yellow lady-slipper orchid), which blooms in late April through early June, and the *Triphora trianthophora* (Noddy pogonia or three-bird orchid), which blooms in late July through early October, can also be found in Boone County. Please join us on our moseys to discover the beauty of mid-Missouri.



## Future Activities Calendar

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

**And social lunches are third Thursdays 11:30.**

[Any underlined/blue words, titles, phrases are links to more info on line.]

**Sat 9 March 9am** (rain date Sun March 10) Twig ID Mosey at Capen Park (parking lot East side of Rock Quarry Road south of Stadium)

**Mon 11 March, 6:30 pm** Hawthorn Meeting at the UU Church (2615 Shepard Blvd). Presentation: *Reasons to Plant Locally Sourced Ecotypes* by Becky. Part of the meeting will be discussion of logistics for spring plant sales.

**Sat 16 March 10am** (rain date Sun March 17) [Moss Walk](#) at Wild Haven Columbia Audubon Society property. [Directions](#)

**Thurs 21 March 11:30 am Lunch: take a winter break to be with friends for an hour!** [First Watch Restaurant](#) at Stadium and Worley with plenty of free parking on the NW side of Columbia. We use a private room away from the main dining room. Click on that link to see the location on a map. This is an opportunity to get to know us, share nature stories, swap seeds, and bring pots back to Becky for the nursery.

**8 APRIL TOTAL SOLAR ECLIPSE over SE MO**

I am providing the [NASA link](#) so you can learn. The last eclipse was 2017. The next eclipse visible in this part of Earth is 2044. Please spread the news.



## Membership Renewals

The MONPS state webmaster, Jerry Barnabee, has built a system to remind you thru a personal email that the time has come to renew your membership dues. Please-Please pay attention to this notice which will come to you near the anniversary of the date you joined. So if you joined, as an example in October or May, that is the time you will get your reminder. Jerry provides a link to PayPal. I believe there is an option to pay for 1 to 5 years and at whatever donation level you deem appropriate. In truth: we welcome your renewal any time you remember.

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## MPF Webinars

One of the best MPF webinars was 22 Nov. It was a fabulous discussion on **management of woodlands and glades including use of fire**. If you would like to revisit any parts of this webinar, or were unable to attend live, the entire recording is available on our YouTube channel, [view here](#). Our free webinars are posted publicly on [our YouTube channel here](#).

[MPF Native Grassland & Woodland Management Training recording on UTube](#)

**If there is anything different you want to participate in, please give us ideas for new activities.**

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**Outline for APRIL** (No Hawthorn business meeting on Monday, April 8)

- Sat 13 Bradford Farm plant sale 10 to 1
- Thurs 18, 11:30 Hawthorn Lunch at First Watch
- Sun 21 Earth Day booth and plant sale 10 to 6
- Mon 22, 5 pm Mosey at Three Creeks glade south of Pierpont. [cont. on P3]

## Information about Moss Walk at Wildhaven 16 March 10am

Have you taken the time to examine mosses close up? And to think about the relationships between mosses and birds? We're excited to announce a new, self-guided moss walk at Wild Haven Nature Area that encourages you to do just that!

The trail guide is formatted to be easily read on a mobile device (with the goal of saving paper; *please* don't print it). Download the guide [here](#).

The total length of the hike is under a mile, but it's easy for time to fly when examining mosses, so plan for at least a couple of hours at Wild Haven. Conditions in winter and early spring are ideal for looking at mosses; sunlight bathes the forest floor, ticks aren't especially active, and neotropical migrants aren't yet distracting. But the trail can be completed at any time of year.

We suggest that you bring:

—A hand lens or magnifying glass. This will help you appreciate the miniature world of mosses.  
—A spray bottle with water (but no chemical residues). Use to rehydrate mosses when conditions are dry; watch the leaves swell with water in front of your eyes.

—A water bottle for yourself, plus snacks, standard hiking gear, and binoculars for the birds.

No bathrooms or potable water are available at Wild Haven.

Gracious thanks to Louise Flenner who developed this trail to share her knowledge and enthusiasm about mosses and their importance to birds.

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## ANNOUNCEMENTS

### We want to announce our deepest gratitude

**Carol-Leigh has offered to take Louise's librarian job. She is very active with Weavers Guild and River Relief, **so would like an assistant to help only a few days per year.****

**Call her for details: 573-874-2233.**

**Thanks to Jayne Young for accepting the position of chapter treasurer and hope she enjoys the full slate of spring activities at plant sales.**

**Thank you to Emily and Elena for organizing the mosey calendar, Cindy for the invitation to state field trips, Debbie, Lea, and Paula for submissions for this newsletter.**

*Photo of Lea teaching courtesy of Cheryl-Ann*

There would not be so much good information and history if it were not for you.

We would love to post thoughts and ideas from YOU, yes YOU reading this, too.

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## 2024 MONPS State Field Trip Dates -State Rep Cindy

Here is your chance to get in on your MONPS benefit. Our primary mission is education and this is your chance to learn from the best. The field trip dates have been released. Get your calendars out and start the planning

**Help your native garden.** This is an opportunity to see native plants where they grow naturally. When I place plants, I wonder about their care. You can do the research, and follow all the guidelines and still not be successful. Seeing natives in their natural environment can clue you into what they require to grow successfully for you.

**Don't want to go alone?** Bring a friend, spouse, or family. Invite them on your eco-tourism journey! These hikes are open to the public and you don't have to be a member to attend. Or, you can **contact Cindy** and we can go together. I love having company. This is a good way to involve those folks who haven't quite gotten the bug for native plants. (Maybe convert them in the process.) You don't have to know a lot about these plants, just have a passion to learn. There are many knowledgeable attendees who love to help beginners! The pace is slower as to view plants, so this is not an invitation for a marathon through nature. We stop and really look to appreciate our surroundings including birds, insects, and geology.

## Paula found a new Wildflower ID site!

People who need color photos will like this one. [I prefer line drawings because they show better details of field characters.] Hope this helps you learn different species and their preferred habitats. With So Many species to cover – it will forever be a work in progress. It seems a good chart on asters and goldenrods is almost complete.

Use this to compliment MissouriPlants.com below

### Excerpt from the June PP The organization of MissouriPlants.com

is designed to accommodate users ranging from neophytes to experts. For the latter, there is a full listing of species links according to scientific name, and also a listing organized by family. For the beginner, there are pages organized by flower color and leaf arrangement, similar to the organizational concept of most wildflower books. These links will quickly transport the user to the relevant species page. All species pages maintain a navigational pane at the left to facilitate movement within the site. It is truly So Simple!

### Very Bad Critter:



**Typical itinerary.** The first hike is usually Friday at 1pm, after which we check into our accommodations. Most of the time we descend on an unsuspecting business for dinner and then there is very interesting lecture in the evening. Usually we select a hotel with breakfast so we can get an early start for our morning hikes. We tend to caravan and carpool on Saturday to keep us together and save fuel. Lunch is at a picnic site so bring a lunch for Saturday. We have an afternoon hike and it is back to the hotel. We group descend on another eatery for dinner. The MONPS business meeting is Saturday night, you are welcome to attend or you can rest or gather with other attendees at the motel. Refreshed, we have a Sunday morning hike and we say our good byes till the next field trip.

**April 26-28:** Our Spring trip will take us south to the Ozark Highlands; we'll lodge at Ava or Gainesville. Potential sites to visit include Bryant Creek State Park, Ava Glades Natural Area, and Caney Mountain Conservation Area.

**June 21-23:** For Summer, we'll be headquartered in the southeast part of the state. Among the unique sites we may visit are Sand Prairie Conservation Area, Big Cane Conservation Area, Mingo Swamp, and Sand Pond Conservation Area.

**September 20-22:** On our Fall trip we'll head north to Kirksville. Some of the sites we may botanize in that part of the state are Spring Creek Ranch Natural Area, Morris Prairie Conservation Area, Dark Hollow Natural Area, and Rocky Hollow Natural Area.

## CHAPTER ACTIVITY SCHEDULE

Hawthorn has organized an inspiring, and ambitious mosey schedule for this spring and summer. Here are Becky's safety tips and suggestions about what to bring when walking off asphalt: Primarily a sense of adventure and a desire to learn, sturdy shoes, long pants, a sun hat, water, camera, notebook. And don't plan anything else for the same day.

We all must understand that we need to be flexible due to sudden changes of weather for better or worse. If you are serious about attending, it would be the best idea to connect with one of the officers so you can get a weather update or cancellation/postponement announcement. Sometimes during HOT weather, temps cool enough we can schedule an outing a few days in advance, but Never a month ahead.

### *Hawthorn Calendar Outline*

**MAY** (No Hawthorn business meeting on Monday, May 13)

- Weekday Date TBD in early May Hawthorn Mosey -Native Orchids at Cedar Creek District MTNF Boone and Callaway Cos. Devil's Backbone Trail. One mile trail starts at Paris Fork with limited parking by the church [See: MTNF Cedar Creek maps]
- Sat 4 (rain date Sun May 5) Rocky glade at Three Creeks -south of the Turkey Creek Interpretive Nature Trail parking lot (Deer Park Rd)
- Sat 11 (rain date Sun May 12): Shooting Star & Daffodil walk at Hundred Acre Wood
- Thurs 16, 11:30 Hawthorn lunch at First Watch
- Sat 18 Bass Pro plant sale 10 to 2
- Hawthorn week day mosey in May at Ann Wakeman's date TBD (5/20 – 5/24)

**JUNE** (No Hawthorn meeting on Monday, June 10)

- Sat 1 Ha-Ha Tonka (off highway 54 just south of Camdenton)
- Thurs 20 Hawthorn lunch at Uprise Bakery
- Sat 22 (rain date Sun June 23) Mosey at Fishhook Road in Danville CA (south of Graham Cave SP) to glades and creek bottom. Alternatively: Graham Cave SP, 250 A. E on I 70 48 mi to Danville exit off 170, then north, follow signs for about 2 miles into park. A couple of miles of hiking trails; recommend off-trail exploration into the NE quarter to see a mesic glade/open woodland & a 9000-year-old archaeological shelter.

**JULY**

- Thurs 11, 6pm Hawthorn In-Person Meeting at Runge Nature Center – 1 mile trail (5 trails to explore & meet indoors)
- Thus 18, 11:30 Hawthorn lunch at Uprise Bakery
- July week day (Date TBD) Mosey of prairies south of Sedalia.

**AUGUST** (No Hawthorn meeting on Monday, August 12)

- Hawthorn Mosey pending weather
- Thurs 15, 11:30 Hawthorn lunch at First Watch

## Oriental Mantis

As leaves fall off sticks, look for blobs of tan foam about the size of a golf ball. These are oriental mantis egg cases.

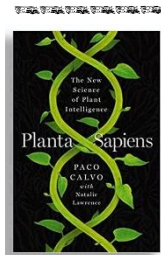
Adults are bigger than hummers; they eat ALL insects and small birds.

PLEASE! Gather these for destruction: put all into a jar for at least a year so when they hatch they will die. Or pour something volatile on them and burn them. Do not ever throw them whole into a landfill.

## Bumble Bee Atlas: A Nationwide Buzz

The Bumble Bee Atlas project creates nationwide buzz in quest to protect and promote habitat for native pollinators. Hawthorn has two members who have collected data for this effort.

Citizen scientists are being begged to collect and report data not only for bees but for plants [BudBurst], birds [Cornell Orni Lab], many insects [Xerces Society]



## Planta Sapiens The New Science of Plant Intelligence

by Paco Calvo with Natalie Lawrence: 2022; Orig pub: The Bridge Street Press [Great Britain]. WW Norton & Co [USA]  
[NYTimes review.](#)  
ISBN 978-0-393-88108-0

## The Gardeners Guide to Prairie Plants

## SEPTEMBER

- Hawthorn Mosey 1<sup>st</sup> week of Sept Rudolf Bennet Conservation Area – ramp seed harvest
- Sat 7 Bass Pro plant sale 10 to 2
- Monday 9 Hawthorn In-person meeting- UU Church parking lot- Becky Plant ID class
- Late Sept. Spring Creek Gap – glades (south on 63 between Vienna & Rolla)

## OCTOBER

- Sat 5 or Sun 6, prairie walk, Sedalia area prairies.
- Mon 14, Hawthorn Meeting & Harvest Fest (@ Elena's)
- Fiber arts class with Carol Leigh date TBD

## NOVEMBER (No Hawthorn business meeting on Mon Nov. 11)

- Hawthorn Mosey contingent on weather
- Thurs 21 11:30 Hawthorn Lunch at First Watch

## DECEMBER

- Wreath making workshop hosted by Nadia at the LU greenhouse - usually the first week of December
- Mon 9 Hawthorn Zoom meeting: *Native Plants through the Seasons* by Nadia & Officer Elections for President and Secretary
- Thurs 19 11:30 Hawthorn Lunch at First Watch

## MPF/GN Webinars

Be sure to check on the MPF/GN site [under Activities](#) for webinars before **alternate Wednesday afternoons at 4pm.** [Next MPF/GN webinars 4pm](#) [The MPF/GN newsletter will remind you of these events: Sign Up!](#)

--Adopt a [Regal Fritillary Butterfly](#) or a [Brown-Belted Bumble Bee](#) and help protect prairie.

Even if you cannot attend at 4pm on Wednesdays, if you register, you will be sent the link to review the webinar when you have time - with additional resources. Our free webinars are posted publicly on [our YouTube channel here.](#)

The next webinars and activities offered are:

- [National Invasive Species Awareness Week](#): February 26 - March 1
- February 28: [MPF Webinar: A Primer on Plant Morphology](#) with Dr. Michelle Bowe
- Soft Landings: [Grow Native! Transitional Shade Garden Plan](#)
- Cemeteries before the Plow: Help Safeguard Original Prairie in pre-1890 Cemeteries
- [Missouri Energy Infrastructure Conservation Siting Guidelines](#)
- March 13: [MPF Webinar: Plant Physiology in 50 Minutes with Dr. Michelle Bowe](#)
- Save the Dates: [Spring MPF/Grow Native! Native Plant Sales](#)

## LEARNING AND SHARING THROUGH VOLUNTEERING

*Offered by Lea*

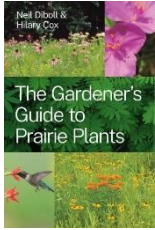


Volunteering to help at one of the many native plantings around the Columbia area in parks, trails, and in local schoolyards can be a service to the community, but it can also be a great way to learn more about native plants, as well as about invasive species which are becoming a significant threat to our ecosystems. From pollinator gardens and rain gardens to prairie, woodland, and trail-side areas, there are many different types of local plantings, and they all require some maintenance in order to thrive and remain useful for wildlife and as places of learning.

Lea helps coordinate volunteer opportunities in these areas, by collecting and sending out a bi-weekly (or so) email listing of upcoming coordinated gardening efforts. Lea organizes many of them; some are posted by others. At schools, we sometimes work with students, doing “Service-Learning”. Other times we work without students. We help maintain habitats and gardens so that students can come in to plant, or explore the wildlife that is there.

by Neil Diboll & Hilary Cox; U of Chicago Press 2023

The heavy 636 pages are packed with pictures and easy-to-follow charts. It is so thorough on the subject, it could be used as a class text.



If you are looking for the complete—and I do mean complete—

guide to prairie ecosystems, you will not do better than his much-needed book.

Diboll and Cox cover not only what prairie species look like at each of their growth stages (a first!), they also dive deep into their historical and ecological roles in prairie ecosystems."

– Douglas W. Tallamy, University of Delaware

## Personal Service from Xerces

I wanted to let you know about an exciting new benefit available to you, to say thank you for helping us protect invertebrates. As a Xerces donor, you can now [request a call](#) from a Xerces Ambassador. Ambassadors are expert volunteer conservationists who volunteer with Xerces to share their knowledge and support Xerces members.

Whether you want to talk about creating habitat in your yard, bumble bee ID, or brainstorming ways to engage your community further, requesting a call from a Xerces Ambassador is a complimentary service we hope you'll enjoy. Consider it your personal invertebrate hotline.

You can [request a call here](#) and an Ambassador will call

Many Native Plant Society members attend these work parties. By working alongside other native plant enthusiasts, you can learn by doing, and you can ask questions or share what you know with others. What's that plant? What conditions does it thrive in? When should it be planted? What's the problem with invasive species and what can we do about them? Etc. If you have questions, or would like to join in these activities contact Lea to get on her email list. [Leaslist@gmail.com](mailto:Leaslist@gmail.com) or text or call 573-864-7647.

## Bokashi Composting: Pickling Your Leftovers

Submitted by Debbie

Most gardeners are composters as well. Some are intentional and intense, building 3x3 piles that steam as microbes merrily eat and excrete magic material for our gardens. Me? I pile things up and let mother nature take her take time. The end result is the same, a rich nutrient dressing for our flower and vegetable beds.

A traditional compost pile has a mix of greens such as freshly pulled weeds, untreated grass clippings, and coffee grounds. To this we add browns such as fallen leaves and that \$15.00 plant that didn't make it! We are admonished to **never** add dairy or meat to our piles. Both are slow to break down, can attract pests, be smelly and, if doing a cold compost pile possibly be a source of pathogens. Veggie food scraps are another source of greens, but unless you are feeding a haying crew on a weekly basis, food scraps are a small percentage of your compost.

This winter I began trying out the Bokashi method of converting all my food scraps into usable organic matter. Bokashi is a Japanese term meaning fermented organic matter—you are literally pickling your food waste until it can be buried in your garden beds or added to your traditional compost pile.

To start you will need two things. A Bokashi bucket and Bokashi Bran. The bucket will need a lid to create an air-tight seal, a false tray at the bottom for drainage and a spigot in order to drain liquids as your waste ferments. You can purchase the bucket or [diy](#) your own bucket. You will also need Bokashi Bran, an inoculant, which can be purchased as well. The Bokashi Bran is the secret sauce to this process (otherwise we'd have a nice bucket of "slop" as my grandma would have called it). The Bran contains a mix of effective microorganisms (EM) that includes lactic acid, yeasts, bacteria, and fungi. These little critters do not physically alter the physical appearance of the food scraps but will chemically break them down.

Being assured that there was no odor from this process, I placed my trust in the Chemical Gods and put my Bokashi Bucket in my pantry with the Bran container on the shelf above. I began with a good sprinkle of bran on the bottom of the tray, then added my first layer of food scraps—the results of my refrigerator clean out, another handful of bran on top. Each time I added food scraps I added the bran. After week one I had about a quarter of the bucket full and no smell! The real test came when I added in a good layer of chili (don't judge me, I have yet to learn to make just enough chili for two) Still fresh as a daisy in the pantry. The only odor was when I opened the bucket to add the food and bran, and then it was more of a beery-yeasty smell.

I drain off the Bokashi "juice" weekly. Because this is full of yummy microbes, I have been adding ¼ cup of juice to each gallon of water for my house plants. You can also use it on your outdoor plants. Just be sure to dilute it as the juice is very acidic.

Once my pantry bucket was full, I made a DIY bucket and dumped the pantry collection into it. It is now fermenting in my basement for the next few weeks—they say you can keep it in the buckets like this for over a year! My next step will be to bury it in my garden. At that point, it begins to decompose, sending microbe babies out into the soil.

There's more to learn! To hear a real expert speak, [sign up](#) for the Bokashi Composting Workshop on Tuesday, May 7 at Capen Park from 6-7 p.m. or just google "How to Bokashi Compost" and you'll soon be pickling that left-over chili just like me!

Available Here

[Bokashi Bucket w/ Starter](#)

[NO turning! Uses beneficial bacteria to quickly ferment table scraps.](#)

**\$54.95**

**A BESTSELLER!**



you at a time that works for you.

Please feel free to reach out with any questions.

Best, **Melissa Manuel**,  
Engagement Specialist  
503-468-6602  
(she/hers)



[Protecting Pollinators](#) [Conserving Endangered Species](#) [Reducing Pesticide Use & Impacts](#)

## Fireflies are vanishing

[but you can help protect them](#)

Excellent article in NatGeo Newsletter By Amy McKeever Published 1 June 2023

Retrieved 29 July 2023:  
Experts offer tips on how to make a home for the beloved bioluminescent insects in your own backyard—from creating a microhabitat to keeping your lights off.

[From editor:] Maybe 8 years ago my woods lit up like a wonderland light show for almost a week. I never remember this display before or since in 70 years. Wish I knew the recipe – maybe the rain cycle and perfect temperature.

Paula wants to share this good [information on identification of ticks](#), which ticks carry which diseases, and how to tell how long a tick has been attached by the size of the tick. All important information for the doctor to know if you are sick.

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## That's Wild: How Plants Chat With Their Neighbors

From Center for Biological Diversity newsletter 15Feb24.

Since the 1980s scientists have documented plants communicating alarms to neighboring plants. Now a team of researchers has used real-time imaging techniques to [capture what these "conversations" look like](#).

Using a fluorescence microscope, molecular biologists in Japan showed what's known as calcium signaling — basically an influx of calcium ions rippling through cells — in plant leaves in response to other plants experiencing stress or danger. It's something human cells do too.

"We have finally unveiled the intricate story of when, where, and how plants respond to airborne 'warning messages' from their threatened neighbors," said Masatsugu Toyota, a senior author of the study. [See how it looks for yourself on YouTube](#).

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Anyone who uses ready-to-use [rtu] "Roundup" or "Weed-be-Gone" needs to read the label. It contains trace amounts of dicamba which is enough to cause problems. MPF offered a presentation last fall regarding the use and misuse and danger of dicamba.

## Court Halts Dicamba Spraying on Millions of Acres

Posted in the Center for Biological Diversity newsletter 15Feb24.

In a [sweeping victory for farmworkers and wildlife](#), a federal court just nixed the U.S. Environmental Protection Agency's approval of the extremely volatile weedkiller dicamba. This drift-prone pesticide has damaged millions of acres of crops and wild plants and threatens dozens of imperiled species, including pollinators like [monarch butterflies](#) and rusty patched bumblebees. So the Center and allies sued in 2020.

"I hope the court's emphatic rejection of the EPA's reckless approval of dicamba will spur the agency to finally stop ignoring the far-reaching harm caused by this dangerous pesticide," said Nathan Donley, environmental health science director at the Center for Biological Diversity.

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## STOP Planting Trees. WHAT?!

This picture story gives the bottom line facts about which kind of landscape conversion is more of a solution to carbon offset than others.

This fact was proven nearly 30 years ago: **native grasslands are a better carbon sink than forests.**

Carol [CEO of MPF/GN] was excited to have this concise information all in one paper.

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Your submission or offering could be here!

**Topics for This Years' Petal Pusher**  
**the state MONPS newsletter**

**Petal Pusher Topics for 2024**

<u>Issue</u>	<u>Due date</u>	<u>Pub date</u>	<u>Theme</u>
<u>March/Apr</u>	<u>Feb 20</u>	<u>March 1<sup>st</sup></u>	<u>Funny Botany</u>
<u>May/June</u>	<u>April 20</u>	<u>May 1<sup>st</sup></u>	<u>Plant Terminology</u>
<u>July/Aug</u>	<u>June 20</u>	<u>July 1<sup>st</sup></u>	<u>Plant ID Motifs</u>
<u>Sept/Oct</u>	<u>Aug 20</u>	<u>Sept 1<sup>st</sup></u>	<u>Missouri Native Plant Nurseries: Origin Stories &amp; Operations</u>
<u>Nov/Dec</u>	<u>Oct 20</u>	<u>Nov 1<sup>st</sup></u>	<u>Volunteers Working for Native Plants</u>
<u>Jan/Feb</u>	<u>Dec 20</u>	<u>Jan 1<sup>st</sup></u>	<u>Kids &amp; Native Plants</u>

**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 the date you join. 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 Jayne Young or sign up on the MONPS site and pay by Paypal.

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:**

**Jayne Young**

**803 Park de Ville Place**

**Columbia MO 65203**

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

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

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

Home \_\_\_\_\_

Cell \_\_\_\_\_

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

Chapter newsletters and messages will be sent by email