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Hawthorn Chapter

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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 26th of every month to:

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

July 2022

Future Activities Calendar

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

We decided to take a break in our meeting schedule; **our next meeting will be by ZOOM, 8 August.** Hopefully we will have an entomologist give us a program. As of publication, the contact did not respond.

Be aware that any time weather moderates, we will announce a guided, group field trip only a few days in advance. In all cases dress and supply yourself for a few hours in a remote off-trail location.

[Tentatively] 9 July, 9am: Mosey of a fire-managed prairie at Rocky Fork CA in N Boone Co – just off US 63. If date changes due to weather, another email will go out. Directions and parking location will go out next week.

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.

Butterfly Walk - July 16 - 10AM - Leader: Gabe McNett

Each Walk is limited to 30 people. Individual sign up via [events registration](#).

Prairie Garden Trust | 8945 County RD 431, New Bloomfield, MO 65063

www.prairiegardentrust.org

21 July LUNCH 11:30 at Uprise/RagTag – 10 Hitt Street in downtown Columbia. Until students surge Columbia, we will convene at our traditional restaurant, out of the heat. In the fall we will find an outdoor venue. Usually 8-14 members participate. If you are new to the group, it is a good way to get acquainted.

30 August Swamp Metalmark Survey

Submitted by Louise

The swamp metalmark was thought to be very rare until Paul McKenzie discovered this huge migration at Runge [MDC Runge State office and nature center in Jeff City]. George and I did this survey in the Spring a year ago and it was fascinating. We saw over 100 of them and we were just one group of several. Runge has mowed trails and many wildflowers. The indoor center is very interesting and provides ac, water, and a bathroom.

Survey for the second brood of Swamp Metalmark will be the **last Tues of Aug which is 30 Aug: meet at Runge at 8:00 am**. The survey is open to all who are interested. The more people we have, the greater number of habitats and locations that can be checked. Please put this date on your calendar. If you are going to be in attendance, **please contact Austin Lambert by email austin.lambert@mdc.mo.gov** so he will know what areas can be covered and how many people to expect. Just be aware that it will be seed tick time the last week of August so prepare accordingly. Bring your camera- SMs are the most cooperative photo subject!

Fall State Field Trip 16-18 Sept - Eagleville: Dunn Ranch, Rolling Thunder Prairie (IA)

More details will be in the next Petal Pusher and later on the MONPS website. [state fieldtrips](#). You don't need reservations except at the motel. Just show up at the right place and time. Anyone who has ever gone on a state field trip has found them fun and educational. Contact Cindy to see if she wants a travel companion.

GOLD LINKS

All new MPF/GN events posted here:

<https://grownative.org/event/s/>

Primary reasons to NOT buy peat based soil: it's a high carbon bank and it is non-renewable.

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.

Here is a link to a

Missouri Bee Identification Guide

put out by St Louis Zoo (Edward M. Spevak), and MDC (Michael Arduser)

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

Jarrod Fowler (with a little bit of funding from us[PCA] and the FWS) has created

a Bumble Bee Plant Finder

[Sent to me from PCA listserv 16 May 22]

Quoting Jarrod: "The Bumble Bee Flower Finder helps you discover the best native plants for bumble bees from the Eastern United States. Find flowers for habitat gardening, conservation planting, and bee monitoring. Under Construction. Email: info@bumblebeeplantfinder.info."

Geared towards those who need to plant plants. This guide

Be sure to check on the MPF/GN site [under Activities](#) for webinars on alternate Wednesday afternoons at 4pm. Recent topics were butterfly & moth identification, and citizen science projects. 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.

ANNOUNCEMENTS VOLUNTEERING OPPORTUNITIES CPS Outdoor Classrooms

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].

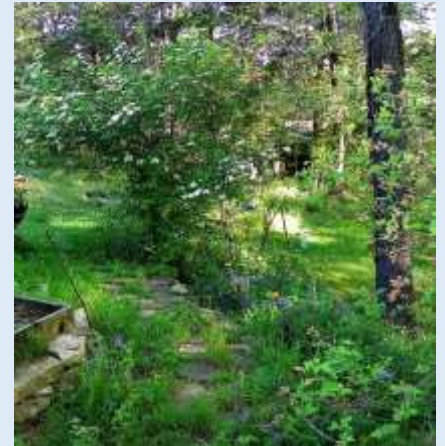
Activities are announced weekly, so sign up now to know when and where to get started. Lea knows where all the gardens are and offers a schedule, received from her by email, when group weeding parties occur. If you have confidence in your knowledge of species recognition, don't be shy! – ask Lea for 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 call or text 864-7647.

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

This newsletter is supposed to be for members and about members. But no one has submitted new material for this issue, I will bore you by filling this space with photos from my limited experiences and happenings in my yard. "Me?" – Becky, the newsletter editor.



After the mosey 1May at Pinnacles, I ran up the road to 100 Acre Woods to find a good patch of shooting stars and others. About the same time, I was astounded by the display outside my back door with *Viburnum rufidulum* and *Tradescantia ernestina* with *Phlox bifidulum*. I had to put up a fence to keep deer out of the



nursery table so they have left *Viola sororia* to grow between the path stones for frits to lay eggs.



< < < Again, because of the need for fencing against deer, plant species I have never seen with such abundant blooms have sparkled my path.

will be useful to those of you who are landscapers, architects, nursery people, gardeners, botanists, and bumble bee researchers who need to explore plants.

And I noticed the striking contrast of the *Elymus hystrix* as it blooms in direct sun. Below: “pet” frog in stock tank with *Nymphaea odorata*.



Karen wants to share:

This might be a good link for the Hawthorne newsletter. It is very readable. Good for those who aren't botanists. I got this link when I was taking a bumblebee class via zoom. [Botany primer](#)

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](#)

June Chapter Meeting

A full list of meeting minutes from our secretary, Emily, will come out just before the August meeting for edits or approval. An overview is: Cindy gave a detailed report on the field trips and highlights of state business. Lea gave a report on grant money disbursed. There was a discussion on disbursement of GrowNative plant tags. A decision was made to not have a meeting in July because of the heat and there was little business to discuss.

Elena offered a tour and asked a critique of her efforts of native reconstruction.



Attendees offer opinions [BE photo].

How Does a Caterpillar Turn into a Butterfly?

Originally posted 12 Aug 2012 in [Scientific American](#)

Bird-safe windows

Transparent, reflective glass confuses birds. Up to a billion a year in the U.S. die from collisions with glass—nearly half from hitting home windows. These DIY fixes discourage birds from trying to fly through windows: Mark glass with tempera paint, stickers, or tape, making gaps in the

New Hawthorn NPS Grants Approved

Submitted by Lea

There have been 2 grants recently approved by the Hawthorn NPS grant committee for educational purposes, and another is likely to be approved before you read this.

The first was for an Eagle Scout Project in the Jefferson City area, in the McClung Park bioswale. This grant is for Jamie Leahy, and the grant funds the planting of over 190 native plants, and will include signage mentioning the Hawthorn NPS and the advantages of planting native plants.

The second grant is for Mill Creek Elementary, in Columbia. This was written by a 4th grade teacher, Megan Kirkdale, who has worked with Lea Langdon for years. Her students have worked in both their prairie and their pollinator garden, with borrowed tools. The grant is mostly to fund tools for the students to use in care of their native areas, and a small amount for a few new plants for their pollinator garden.

There is another grant application that we have received, from the Boonslick Regional Library (BRL) in Booneville chaired by Hawthorn member Christi Angelo. This is to install native plants around the front of the historic building that will be their new home. They already have cleared the area and have a good plan and a garden committee, and they intend to include educational info about native plants in their outreach to library patrons. We have not yet finalized our response to them, but we do intend to approve this grant.

Please keep encouraging teachers and others in an educational environment to consider applying for our educational grants. We love supporting educational native plant projects!

pattern no larger than 2 inches tall by 4 inches wide—or 2 inches by 2 inches for greater deterrence. The American Bird Conservancy has more ideas at abcbirds.org/glass-collisions.

A DIY approach to helping avert bird collisions: Create patterns on windows with tempera paint, stickers, or tape.

<https://www.birdsavers.com/make-your-own/>

To help birds that've collided with glass, see if your area has a bird strike watch program. Audubon Society chapters have volunteers who monitor bird strikes and collect data that can be used to make cities and towns more bird safe.

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](#).

Audubon e-newsletter 6 April 2022 offers an article for the uninitiated on [the difference between native and non-native](#) and invasive – and many reasons why true native plants are better for the environment. And there are several follow-up articles with this page. You might want to share this link with a friend or neighbor who is unaware.

Info to identify invasive species: Maps for [142 individual species](#) in MO and descriptions for [25 species](#) have been combined by [MO Invasive Plants Task Force](#).

We have a new member of our grant team. Emily Beckett joins Glenn Pickett, Lea Langdon and Nancy Langworthy.

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**

If Omicron virus has been found scientifically in whitetail deer in AR, IL, KS & OK , [[NY Times 7 Feb 2022](#)] it is safe to assume covid is in whitetail here in MO. Covid ran rampant throughout the mink industry kennels in OR/WA and China. All of those minks were destroyed in summer when their hides could not be salvaged. One way to keep covid, tick diseases, and cwd in check is to kill deer.

Please encourage anyone who hunts to kill all deer that is legally possible.

Links from Xerces Society

[Ed note: I exchanged several messages with Melissa, the new public relations person with Xerces. She wanted to share these links with you; The text is copied from her email. And she sent us a box of wonderful handouts for the booth!]

[Roadside Habitat For Monarchs: Milkweeds Of KS & MO](#)

[Habitat Assessment Guide For Pollinators In Yards, Gardens, And Parks](#)

[100 Plants to Feed the Monarch](#)

- [Xerces Bring Back the Pollinators](#). Join thousands of community members in taking our pollinator protection pledge. We have loads of resources to help you make room for pollinators in your community in our regional [Pollinator Conservation Resource Center](#).
- Check out our [community science](#) opportunities. From Bumble Bee observations to our new Firefly Atlas, we have something for everyone.
- We have lots of webinars coming up and you can browse them all at xerces.org/events. On May 12th, Matthew Shepherd, Xerces Director of Outreach & Education will host a wonderful webinar called [What Bee is That? An Introduction to Commonly Encountered Bees of the US](#).
- **If you missed a webinar, don't worry you can view most on our [YouTube channel](#).**



[NatGeo newsletter Published June 10, 2022](#)

Amazing! Photographs By Jaime Rojo

After sifting through 25 years' worth of data, a team of scientists have come to a rather surprising conclusion—the [monarch butterfly](#) population seems to be *increasing*.

But this is not time to relax all efforts to nurture monarchs and all other insects.

Two more reasons for us to rebuild native habitats . . .

Arrived 10 May 22 via PCA Listserve

1. Global bird populations steadily declining

Cornell University, May 5, 2022, [Read full article](#) in ScienceDaily

2. More than one in five reptile species are threatened with extinction//

A global reptile assessment highlights shared conservation needs of tetrapods. Neil Cox et al., TOP NEWS, Biodiversity Conservation, Media Release [Read full article](#), April 27, 2022; [Read original article](#) in Nature

How to Turn Your Yard Into an Ecological Oasis

[Read the full story.](#)

How (and Why) to Welcome Insects Into Your Yard By [Brian Lovett](#)

From YES newsletter 22 May 22 originally pub 30 Mar 21

Photo by twomeows/Getty Images

Gardening isn't just about



plants. It's about the **entire ecosystem** those plants can support.

What Exactly is Summer Solstice?

The shift happened 21 June. Read all about Earth's rotation and tilt causing seasonal changes in NatGeo.

Vitamin N = Nature

By [Andrés R. Edwards](#) Reprinted in YES newsletter on line 14 June 2022

During one of the most trying times in my life, I would venture daily into the forested area near our home and take the family dog for a long walk. Walking through the meandering trails gave me the space to reflect on my current predicament and what lay ahead. During this difficult period, nature provided me with relief from the stress . . . Witnessing the vegetation, ants, butterflies, and squirrels mirrored to me that life is constantly evolving and adapting over time.

Margaret Roach's column in NYT Originally 8 Sept 21; reprint: 18 June 22.

Growing Wildflowers Isn't Difficult. And It's Urgent.

In a shifting climate, with environmental diversity at risk, it's never been more important to propagate native plants. [Here's how.](#)

At the end of her story is this link to The Wild Seed Project. I [Becky] stated at my last propagation workshop in December 2021 that my time of usefulness had passed because you can find it all on line. So that was my last workshop. And I prove my case: [now you can store this link for future use.](#) In perpetuity.

Empty space for your submission

Topics for This Year's Petal Pusher

the state MONPS newsletter

Petal Pusher Topics for 2022

Due date	Pub Date	Theme	Contributors
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

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] is willing to do an amateur proofread for you if that would be helpful. Send to her early!

ALWAYS - 20th of even numbered months. If you don't understand subjects, parameters, or submission format, contact Michelle Bowe, PP editor
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, Diane Privitt.

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: _____

Chapter newsletters and messages will be sent by email