

Newsletter

Volume 37, Number 9

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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573-657-2314

beckyerick711@centurylink.net

!

PO BOX 496

Ashland, MO 65010

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

September 2022

Future Activities Calendar

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

And social lunches are third Thursdays 11:30.

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. As weekends are usually over-booked, there might be an option of a weekday-evening fieldtrip depending on weather and daylight.

Thanks to Louise, Paul, and Joanna for their submissions.

Thanks to Carol-Leigh for offering her yard for our next meeting.

Thanks to Michelle for proofing the newsletter.

DUES ARE DUE

If you have received an automated email from MONPS, you need to comply with that message if you want to continue your membership. If you have not received that message recently, you will be sent one during the month you originally applied. If you are a long-time member, send your dues right away. If you double-pay, you will be credited for 2 years. Be patient as state is trying to coordinate a new automated system. Pay on the MONPS website, or print and fill in the last page of this newsletter, then send with a bankcheck by post.

If someone mentions Doug Tallamy and the name doesn't register or even if you want to hear him talk again here is your chance:

- **Doug Tallamy Webinar: Bringing Nature Home**
Audubon North Carolina
Wednesday, September 7, 6-8pm CDT

10 Sept Saturday 8am: tour of private land owned by Brian Johnson in NW Boone Co. Details in article below. Reservations requested.

12 Sept Monday Scheduled Meeting at 7001 S Hillcreek Drive [Carol-Leigh's house: Drive behind house to large parking area.] **opens 6pm** for socializing; Program starts at 6:30 with a presentation from both Carol-Leigh on fiber dyes from native plants, and from Becky on plant identification; we traditionally give away a tray of plants to whomever can name the most – so study up – and bring some samples of plants you cannot id. Some business issues including lunch location will follow; agenda will be sent a few days in advance.

15 Sept Thursday 11:30 Lunch: Please attend so we will decide on the next venue. Usually 8-14 members participate. If you are new to the group, it is a good way to get acquainted.

16 Sept Friday 10 to Noon: professional tour of Prairie Garden Trust, New Bloomfield. Read article below for details and required registration info.

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/>

HOT OFF THE PRESS

Read in the NatGeo newsletter about research published TODAY in Proceedings of the National Academy of Sciences about the positive impact of bison on prairies. Included is a critter-cam video at Dunn Ranch near Eagleville MO. This is one of the field trips offered at the state meeting 17 September.

If you subscribe to NatGeo magazine, you can get these stories by filling in your member number on your mailing envelope in the prompt box. Otherwise the on-line subscription is very affordable.

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](#).

Be sure to check on the MPF/GN site [under Activities](#) for webinars before **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.

[Next MPF/GN webinars 4pm](#)

31 Aug: Butterflies

26 Oct: Seed cycles and propagation, Mike Hoyle

Invitation to Visit a Private Land . . .

Paul McKenzie [retired from USFWS and MONPS past president] and a few professional naturalists had the pleasure of meeting Brian Johnson on his private property north of Midway in west Boone County a few weeks back. There are many undisturbed habitats from glades to mature woods to a sinkhole pond. The group found several rare species of both flora and fauna.

Brian is inviting us for a **field trip Sat 10 September starting at 8am**. This early time is for two reasons: many participants are birders, and it can still be hot in Sept. This field trip is open to botanists, birders, herpetologists, lepidopterists, naturalists, etc. We intend to repay Brian by providing him with a list of all species encountered.

We would appreciate advanced knowledge of your participation.

Email Paul: paulbeckymo@mchsi.com

Update from Paul on field trip to visit Brian Johnson's house on 10 Sept. I have coordinated with Brian and we will meet at his property rather than car pooling from Columbia. Brian's address is [9100 W. Graham Rd., Rochepoint](#). The most direct route:

- 1) going west on I-70 from Columbia go North on Hwy 40 at Midway (it heads W)
- 2) turn north (right) on Hwy J - continue north- you will cross over W. Walnut Grove Lane,
- 3) the next large intersection will be W. Graham Rd.- turn right (east),
- 4) continue east and cross over N. Boothe Lane, and
- 5) after crossing N. Boothe Lane, Brian's property will be the sixth driveway; 9100 is on the mail box to the right (south).

Because it may be hot on 10 Sept. we will meet at Brian's at 8 am. Once there, Brian will give us a grand tour of his property but we may have to explore in groups, depending on the final number that shows up.

If you have any questions or have difficulties finding 9100, Paul's mobile is 573-234-0550. Brian's email address is: blj705@aim.com. I am copying him on this email.

Join the staff of the **Prairie Garden Trust** to learn about the native horticulture and native habitat stewardship at this nature garden in central Missouri that includes more than 220 acres of native woodlands, prairie plantings, ponds, and streams. One-half mile of paved and over 4 miles of natural-surface hiking trails enhance the experience of visitors as they enjoy the magic and beauty of nature. [Prairie Garden Trust is a Grow Native! Garden of Excellence.](#)

When: **Friday September 16, 2022, 10:00 am to Noon**, guided tours followed by brown-bag lunch and optional, informal networking and exploration.



Where: [Prairie Garden Trust](#), New Bloomfield, MO (directions will be sent to registrants)

Who: Enjoy a welcome from the owners and directors of Prairie Garden Trust, Lorna and Henry Domke, and learn from tour leaders Horticulturist Neal Hansum and Groundskeeper Matt Barnes. **Maximum of 25 attendees**, split into smaller groups for a one-hour tour with Neal and a one-hour tour with Matt. After lunch, attendees may explore on their own or network with colleagues.

What to bring: Dress for a walk on paved and

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@bumblebeeflowerfinder.info."

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

natural surface paths. Sun and tick protection are important. Bring drinking water, sack lunch, and portable chair. Indoor restrooms are on site.

Register by Friday September 9, 2022 by sending an email message to Erika Van Vranken at erika@moprairie.org. Provide names and email address of each tour attendee.

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](#)

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](#)

Rocky Forks CA Mosey 29 July



Silphium laciniatum, compass plant
JReuter photo

Louise:

I loved the way the walk followed a somewhat ordinary double track road at first. Then we began to exclaim with delight as more and more native prairie plants became apparent. The Tall Green Milkweed (*Asclepias hirtella*) was particularly exciting for me as I have never seen it in the wild. To catch it in full bloom and even bearing seed pods was breathtaking. Then Joanna says, walk faster, we haven't gotten to the best part yet. Really?! The landscape eventually opened up into a lovely prairie. Tall compass plants (*Silphium laciniatum*) dotted the landscape along with rough blazing star (*Liatris aspera*). White wild indigo (*Baptisia alba*) was abundant everywhere in an open prairie field. There were too many native species to name, and learn. It was a delight.

Another highlight was hearing Becky stop to softly coo to a Bumblebee who was settling in for the night under a *Liatris* flower. She told us how it is possible to pet bees in the early morning before they wake up.

Thank you to Joanna and Eric for showing us this little known magical spot.

Sabatia angularis Rose
gentian LFlenner photo



How Does a Caterpillar Turn into a Butterfly?

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

From NatGeo Newsletter on
line 23July22

Why tick-borne diseases have reached 'epidemic proportions'

"Infections have more than
doubled in the U.S. since
2004, afflicting many
patients with long-term
memory problems,
overwhelming fatigue, and
even red-meat allergies. . ." I
hope this alerts you to **use
repellant thoroughly and
without fail.**

MO Tick Study Interim Results

MDC and A.T. Still
University in Kirksville
[Get more information and
images](#)

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.

Prairie Mosey at Rocky Fork Lakes CA

Submitted by Joanna Reuter

Vernonia missurica, Missouri iron weed JReuter photo



Group botanizing EReuter photo



On a remarkably pleasant late July evening, seven of
us gathered at Rocky Fork Lakes Conservation Area in North Boone Co. for a walk to a
zone dominated by native prairie plants. We enjoyed a nice display of flowers, including
compass plant, prairie blazing star, rosepink gentian, sunflowers, ironweeds, leadplant, and
more.

The area we visited doesn't qualify as "pristine" or unplowed prairie. Although much
of Rocky Fork Lakes CA was strip mined for coal from the 1960s to around 1980, not
everything got entirely ripped up for full-scale mining. Our destination area-of-interest was
definitely not mined, but it wasn't exactly left alone, either. Road building and other
alterations by heavy equipment certainly disrupted the soil. Some clues to these disruptions are linear depressions,
which old air photos show to be roads, gullies, and scattered mounds that appear to be piles left behind by
bulldozers. On an earlier visit this year, I found that a wild turkey had made use of one of these mounds as a raised
nesting platform.



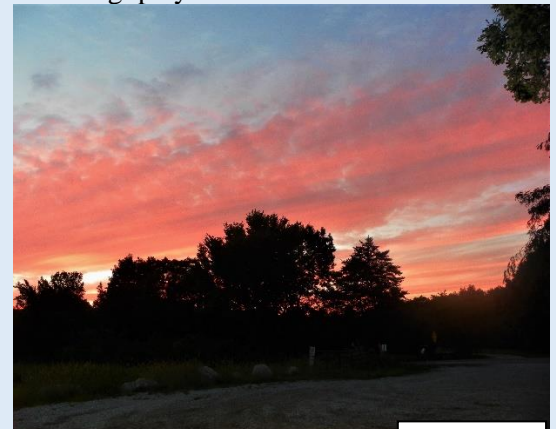
Amorpha canescens, lead plant in
full seed JReuter photo

Yet, despite these soil disruptions, the area is chock full
of native plants. The transition between the native-
dominated areas and the run-of-the-mill old-fields to the
east is actually rather startling. The transition follows a
former property line that separates the areas formerly
owned by the mining company (hosting the higher density
of natives) and areas that appear to have been farmed until
land ownership later transferred to MDC. The reasons for
the transition are unclear. Did soil disturbance actually stir
up an old seed bank? Do differences in mycorrhizal fungi play a role? Was continued
agriculture more detrimental than mining
disturbance? Perhaps something else
entirely?

MDC has managed and is managing
these interesting native-dominated areas.
Cedar removal and supplemental seeding
happened in the past, while prescribed burns
and targeted herbicide treatment of invasives
are ongoing management practices,
according to John George from MDC.

Though these areas may not have species
richness equivalent to a patch of unplowed
prairie, they are fascinating, beautiful, and
worthy of our attention and interest.

[Additional observations from this area can be viewed here on iNaturalist.](#)



Perfect end.
BE photo

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](#).

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.

[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.

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.](#)



August Lunch

Our Third Thursday Lunch [18 August] was a beautiful day at Stephens Lake Park pavilion above Broadway. Seven members attended. Garden and family happenings were shared. We are sad that more local members did not join us as we would like to get acquainted with new members.
CSquire photo

A recently discovered non-native and potentially invasive bramble:

Be on the lookout for *Rubus parvifolius*

[As a follow-up on the invasive bramble they submitted last month \[August Hawthorn newsletter\]](#), Eric & Joanna Reuter put together a YouTube video on small-leaf bramble. They figured there needed to be a counterbalance to the only other YouTube video they could find on the species, which is about how to grow it [GASP!]. Look for more in the Petal Pusher in December. Here is the link to thier video:

<https://www.youtube.com/watch?v=TiNeQfoopFg>

[Another factor in the spread of these is the nursery trade. A web search indicates that wineberry plants are pretty easy to purchase online, whereas small-leaf bramble plants are not. Needless to say, please don't plant either.](#)

"Ours is not the task of fixing the entire world all at once, but of stretching out to mend the part of the world that is within our reach."

— Clarissa Pinkola Estés

NYTimes
features native
annuals at
Botanical Garden
at Kingsville MO.

COVID in Wildlife

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. Many different animals in zoos and home pets have contracted covid. One way to keep covid, tick diseases [see article in bulletin board in left column], and cwd in check is to kill deer.

Please encourage anyone who hunts to kill all deer that is legally possible as herds can triple every year [2 fawns per doe]. MDC has plans to extend deer season with more options.



Topics for This Year's Petal Pusher

the state MONPS newsletter

Petal Pusher Topics for 2022

Due date	Pub Date	Theme	Contributors
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