



Missouri Native Plant Society Hawthorn Chapter Newsletter

Volume 34, Number 10

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

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We would like to read about announcements, impressions, species accounts, photos, poems, links to scientific articles or other creative nature writing **from you, too.**

October 2019

Future Activities Calendar

5 Oct Sat Chestnut Festival, 10 to 4 at HARC in New Franklin. This is a very fun fair with samples of local foods and a tour of a restored historic house. Volunteers needed for booth; details inside.

12 Oct Sat Propagation Workshop, Noon to 4 MDC conference room at MDC Central Region HQ on Discovery south side of Columbia. Becky Erickson explains seed collecting/storage; stratification/germination. Registration deadline 9 Oct. More inside.

14 Oct Mon, 6:30 UU Church Monday 6:30pm Members Meeting Unitarian Universalist Church, 2615 Shepard Blvd, Columbia. **There are several speakers waiting to be scheduled so we will hold a meeting in Oct, and Nov.** Jacob Westhoff works for MDC with the Resource Science Division, he surveys for rare fish species and he will be presenting about the diversity of fish in Missouri.

20 Oct Sun 1-4pm Mosey at Hundred Acre Woods just north of Pinnacle Park in N Boone Co. Editor posted the wrong date last month. Please see article inside.

17 Oct Thurs 11:30 to 1pm Lunch at RagTag/Uprise. Just south of Broadway at 10 Hitt Street.

9 Nov Sat, 8:30 to 3:30. GrowNative! Workshop at Bradford Farm near Columbia. All Hawthorn members may go. See article inside.

11 Nov Mon, 6:30 UU Church Monday 6:30pm Members Meeting Unitarian Universalist Church, 2615 Shepard Blvd, Columbia. Program announced in Nov newsletter.

13 Nov Wed GrowNative! Membership Conference in Columbia 8:30 to 3:30. All Hawthorn members may go. See article inside.

21 Nov Thurs 11:30 to 1pm Lunch at RagTag/Uprise. Just south of Broadway at 10 Hitt Street.

19 Dec Thurs 11:30 to 1pm Lunch at RagTag/Uprise. Just south of Broadway at 10 Hitt Street.

Tell Nadia About Speaker Opportunities Nadia Navarrete-Tindall is taking on the duties primarily of finding speakers for our meetings. Please get their contact info and let Nadia know so she can get them scheduled. Contact Nadia here: nativeplantsandmore@gmail.com



The editor wants to thank Michelle, Nancy, and Louise for their submissions this month. We all enjoy reading personal articles about your experiences and new knowledge about nature.

Please submit during the second half of every month.

This is the 34th year Hawthorn has supplied a newsletter to chapter members. Thanks to Doug Miller for keeping the chapter website up to date.



Announcements

We need a Chapter Rep to attend State Meetings, and write reports. Expenses reimbursed. Please volunteer.



Mosey: Hundred Acre Woods Sun 20 Oct 1 pm.

Hosted by John George

This piece of land has a history personal to the people of MONPS and Sierra Club in that it was purchased long ago by a dear friend and activist, Jim Whitley. About 15 years ago John George took an interest in helping Jim clear the cedars, autumn olive and other problems, and help him run a fire thru it to perk it up. In the process of surveying the land, John found within its boundaries, this area has the most diverse microhabitats and more diverse communities than any other piece of that size for many miles around.

After Jim's death and several years of litigation, the land now belongs to Green Belt Land Trust. For the past year, John has worked most of his time away from his MDC duties to clear areas left to the ravages of benign neglect. He estimates it needs about 3 more years to get it to maintenance level. At least, now, people can walk through it.

John has offered to host a walking tour. It is a little rough without trails, but no steep climbs will be offered. It's located just north of Pinnacles Park. **Let Becky know if you want to go. She will give you directions or organize a carpool location.**



Lunch at RagTag Thurs 17 Oct

Meet our group for lunch 11:30 at RagTag/Uprise, 10 Hitt St [Just south of Broadway].

Last lunch [19 Sept] was attended by nine members with lively discussions about insects, birds, planting, weather challenges, and good ideas about future activities. Hope to see you there next time.



Notice Meetings are offered the second Mondays of Oct and Nov



LINK UP!!

Very interesting site from Indigesapes in Ohio. We are too far away for their products and services, but the ideas are intriguing. <http://indigesapes.com/blog/2019/7/25/the-myth-of-the-thicket-less-prairie?fbclid=IwAR21iEdebhmDsfGTJ7kfL2pYVJv3pu6V42KKidvDsZNC-aN7McHc8p2uOqw>

The Missouri Invasive Plant Task Force (MoIP) is a resource of Grow Native!—a 19-year-old native plant marketing and education program serving the lower Midwest. For more information about MoIP, visit www.moinvasives.org

Does education influence wildlife friendly landscaping preferences?

Your reading the abstract and discussion gives you the full picture. From abstract: Our findings suggest that residential support for native plant landscaping is higher than is reflected by typical residential landscaping practices, and that dissemination of information regarding the benefits of native plant landscaping to birds could alter public preferences for native plant landscaping. **Talk to your neighbors!**

<https://drive.google.com/file/d/0B9x5Ahn-zXr7SC1JeXkzUDctYzJ6SGdmUjhYbWluNUZUU29r/view?ts=5d11801d>

New links Native Plant Conservation Campaign: <https://plantsocieties.cnps.org/index.php> feature native plant societies all over USA.

Newsweek **Monarchs101:** <https://www.newsweek.com/monarch-butterflies-extinct-1302838>

For those who admired Rick Darke's Pennsylvania garden in the book Living Landscape by Darke and Doug Tallamy, Garden Design magazine has a feature on his garden this month:

https://www.gardendesign.com/pennsylvania/sustainable-strolling.html?utm_source=article-newsletter&utm_medium=email&utm_campaign=Sustainable-Strolling-Garden-9-26-19

Center for Plant Conservation: <https://saveplants.org/> features best practices for saving endangered plants.

Restoring the American elm: https://blog.nature.org/science/2019/09/11/recovery-restoring-the-floodplain-forest/?src=e.cgs.eg.x.loc_b&lu=4439630&autologin=true

National Science Foundation – Native plants needed to support bee populations essential for our food supply: https://nsf.gov/discoveries/disc_summ.jsp?cntn_id=295868

TNC on native bees. Fabulous large photos: https://blog.nature.org/science/2019/08/19/focus-on-native-bees-not-honey-bees/?src=e.cgs.eg.x.loc_b&lu=4439630&autologin=true

Smithsonian study backs all of Tallamy's work on birds: <https://nationalzoo.si.edu/news/new-smithsonian-study-links-declines-suburban-backyard-birds-presence-nonnative-plants>
Greta Thunberg Rips World Leaders at the U.N. Over Climate Change:

German Centre for Integrative Biodiversity Research Plant diversity increases insect diversity:

https://www.idiv.de/en/news/news_single_view/1496.html
Refer to past editions of our newsletter for other important resource links.

Hawthorn website www.columbianativeplants.org
MONPS website www.monativeplantsociety.org

Propagation Workshop Given by Becky

The perennial favorite is back. I have been requested to explain, again, what I have been doing the past 20+ years.

This year's workshop will be **12 October, noon to 4 in the conference room at the MDC Central Region Headquarters** South of Columbia on 63; follow the sign at the Discovery exit. We start late so attendees can come from a distance and get some lunch. Cindy is taking reservations. Please contact her cysquire@me.com . **Deadline is Wed 9 Oct** so I can get materials together for all attendees.

It is suggested you arrive 30-40 min before noon with a sack lunch so there is time to check in and pay \$10 at the door, then eat and visit with friends. That way we can start on time.

Subjects presented will be

- 1) How to identify a pod on a stick
- 2) How to process and store seed
- 3) How to stratify seed
- 4) Equipment needed
- 5) You will receive many pages of helpful information and a notepad and pencil

I always give a business card with the packet so you can contact me in the future with questions. If you are willing to share your email with me it might be helpful in the future.

2019 Chestnut Festival Hawthorn Chapter Booth Saturday, October 5th

Submitted by Nancy

The Chestnut Festival is next Saturday, Oct. 5th. Several members are signed up to help, from about 9 am for set-up until we end clean up and repacking, 4:30 or so. More members would make work easier and lots more fun. A couple hours contribution can really help. Long



Missouri Chestnut Roast Festival
 & 200th Anniversary of the Historic Hickman House!
 Saturday, Oct. 5th, 2019
 MU Horticulture & Agroforestry Research Center (HARC) New Franklin, MO

Family friendly, FREE, and open to the public 10:00am - 4:00pm

Celebrate the fall harvest

- ⇒ Fresh roasted chestnut samples
- ⇒ Cooking demo and tasting
- ⇒ Kids' activities, wagon rides
- ⇒ Pumpkin pickling
- ⇒ Walking tours, wagon tours
- ⇒ Seminars & demonstrations
- ⇒ Live music, food, art, plants
- ⇒ Historic Hickman House tours

MU Horticulture & Agroforestry Research Center (HARC)
 10 Research Center Rd.,
 New Franklin, MO 65274

The Center for Agroforestry
 University of Missouri
 A Global Center for Agriculture, Environment and the Economy

range weather is always a mystery but next Friday is forecast to be a beautiful day, so maybe Saturday as well. You'll get to know fellow members better and there's lots to eat and lots to do. Several members think this is the best festival of the year! Come on

out (check the map on the flier --- no need to sign up now unless you want (email: langworthyn@gmail.com).

Grow Native! Workshop in Columbia, 9 Nov

From a MPF/GN announcement by Carol Davit sent 18 Sept.

During the workshop, five experts will present information on how native plants provide benefits to farm revenues, livestock health, **pollinators, wildlife, water quality**, and more. The day-long event will also feature information on specific NRCS cost-share programs to which attendees may apply to help offset the cost of incorporating natives into their agricultural or land management practices, **and a session on invasive plant control.**

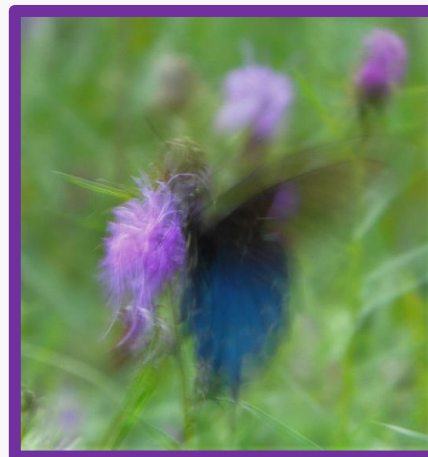
The workshop begins at 8:30 a.m. and ends at 3:30 p.m. The University of Missouri's Bradford Research Center, at 4968 Rangeline Road, Columbia, MO is the workshop host. Registration is \$14 per person for Missouri Prairie Foundation members, and \$17 per person for non-members. Registration includes morning coffee and lunch. Register online at www.grownative.org, by calling 888-843-6739, or by mailing a check, payable to the Missouri Prairie Foundation, and sending it to: Missouri Prairie Foundation, P.O. Box 200, Columbia, MO 65205. **Registration deadline is November 5.** [Ed note: Hawthorn is a GN member. When registering, say you are a Hawthorn member for the \$3 discount.]

GN! Offers the Membership Conference

We invite you to [register for the 2019 Grow Native! professional member conference](#), held at the MU General Services Building in Columbia, **9 a.m. to 3 p.m., Wed 13 Nov.** We have a great speaker lineup this year, featuring Dr. Alice Tipton and Dr. Liz Koziol as keynote speakers, presenting on soil mycorrhizal fungi and native plant production. The cost is \$20 for members and their guests, Includes light breakfast items as well as lunch. The link below shows the itinerary. If on line registration doesn't work call this phone number: 888.843.6739. When registering, say you are a Hawthorn NPS member.

https://www.moprairie.org/GrowNative/GrowNative/GN_Event_s/Event_Display.aspx?EventKey=646de2f4-d022-4508-8a72-fe232894aa36&WebsiteKey=bcf187dc-ff08-4847-bf41-52aa6bcd052

Summer frenzy!



I think this blurry but perfectly recognizable photo illustrates summer activities in Nature.

Swallowtail on
Liatris squarrosa
 [BE photo]

Best Performers

Suggested by Becky

A few people have asked me for a list of workhorse species that if seed is spread, there will be pretty good germination and the plants will be excellent for wildlife and perform well in landscaping. Whew! Tall order! But, YES, they do exist.

Since this is Native Plant Society and we are all about education, I will leave it up to you to look up more info on these plants; it's the best way to learn. Just google the names given and you will find a wealth of information. Some like more sun or water than others, but I find they have volunteered well in marginal



conditions in my yard

Schizachyrium scoparium,
Bouteloua curtipendula,
Elymus any species,
Solidago rigida,
Solidago speciosa,
Solidago nemoralis,
Silphium integrifolium,
Monarda fistulosa,
Pycnanthemum tenuifolium,
Penstemon digitalis,
Ratibida pinnata,
Liatris pycnostachya,
Coreopsis any species,
Echinacea purpurea,
Dalea candida,
Asclepias syriaca,
Aster novae-angliae,
Aster oblongifolius,
Aster patens,
Weedy white asters,
Cirsium altissimum,
Physalis any species,

Yes, I know the last three are controversial. However, in a big field, they are very good for all wildlife.

PlanIt Native Conference

Michelle attended and submitted her observations

The first PlanIt Native Conference sponsored by Deep Roots (formerly KC Native Plant Initiative) in Kansas City took place September 19th and 20th with approximately 150 attendees.

Director of conservation science for the Missouri Chapter of The Nature Conservancy Doug Ladd opened the conference Thursday morning with a presentation titled "People, Place, Prairie". He emphasized that restoration alone is not enough, we should also work to preserve remaining prairie remnants for study and enjoyment.

The keynote speaker Thursday evening was Florence Williams, author of The Nature Fix: Why Nature Makes Us Happier. She shared her story of moving from the great outdoors in Colorado to Washington, DC and consequently suffering from 'nature deficit'. As a journalist, she launched a search for scientific evidence on the health benefits of spending time in natural surroundings. Her talk meandered through an eclectic collection of findings which appear in the book.

During the concurrent sessions on Thursday and on Friday morning, a variety of topics were presented. Doug Weaner author of "Garden Revolution" presented examples from his design practice of using native plants in ways that simultaneously satisfy client desire for formality near the house and looser, more naturalistic plantings in a transition zone between the formal plantings and the wider natural context. Similarly, designers from Hoerr Schaut firm traced the evolution of their design aesthetic from static plantings of evergreens to naturalistic swaths of natives in response to client wishes, while still satisfying their clients' overriding desire for control.

The standout presenter was perhaps Carol Davit from Missouri Prairie Foundation with tips for marketing native plants. She started off with a hilarious but pointed jab at traditional marketing, then shared data on why people garden and how it can be used to make a connection with people who still need persuading to Grow Native!

About two dozen vendors from Missouri and surrounding states included nurseries and conservation groups. Conference organizers worked with hotel staff to stock cloth hand towels in the washrooms, and to compost both the paper products used for food service and the food scraps through KC Can Recycle. Even the plastic name tag sleeves were collected at the end of the conference to be reused next year.



Milkweed *papier-mache* sculpture in the vendor area at the PlanIt Native Conference at Intercontinental Hotel on the Kansas City Plaza.

Fluorescence in Nature

by Louise

Just got back from a trip to the North Shore of Lake Superior and while up there I picked up a free rag called Northern Wilds Magazine. Emily Stone is a nature writer who wrote an article called Hot Pink Flying Squirrels. She writes that we have only just discovered that flying squirrels glow hot pink in UV light. It has been researched and established that all 3 types of flying squirrels in North America - northern, southern, and Humboldt's flying squirrels - will glow pink in the presence of a black light. According to her, fluorescence isn't all that uncommon in nature. Spiders and Scorpions fluoresce. The freshly grown feathers of some species of owls fluoresce pink and bird researchers use that trait to determine their age. Even opossums and fox squirrel bones fluoresce. Lightening beetles produce a type of fluorescence. Imagine schools of fluorescent fish! Now I am totally inspired to get a blacklight flashlight and go out after dark to see what else I can find.

Emily Stone writes a weekly column called Natural Connections. She has published her second book, [Natural Connections 2, Dreaming of an Elfin Skimmer](#). Her first book called [Natural Connections](#) is on sale now at cablemuseum.org. She also has a blog at <http://cablemuseumnaturalconnections.blogspot.com/>. She has earned multiple Excellence in Craft awards from the Outdoor Writers Association of America. This reminded me of how much I enjoy good nature writing.

Two of my more recent favorites are [The Revolutionary Genius of Plants, A New Understanding of Plant Intelligence and Behavior](#) by Stefano Mancuso and [Gathering Moss, A Natural and Cultural History of Mosses](#) by Robin Wall Kimmerer. Would love to hear what others are reading.

A Meditation *Louise's text and photo*

Along the road to Lake Superior, we explored a small piece of tallgrass prairie remnant that has been preserved in Kilen Woods State Park, MN. The park has a mowed trail that wanders through it. Off in the distance are cornfields that



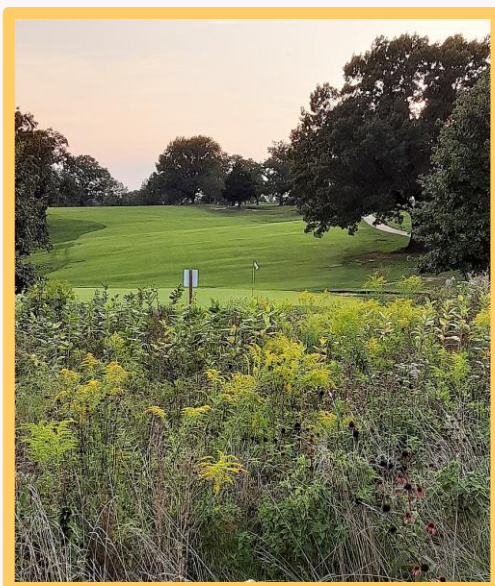
stand in contrast to the beautiful prairie that once covered this section of Minnesota and down into Iowa. The steep hillsides prevented the cultivation of this particular section. So it was never plowed and exists today as a true remnant prairie. Many of the flowers had already gone to seed, but there was still striking gold and blue of *Solidago* and *Aster*. While we sat on a bench provided to enjoy the quiet and stunning beauty of the sunset, we admired grasses blowing in the breeze in a flowing dance.

Photos from Award Ceremony at Gustin Golf Course

All are Michelle's photos



Cindy and Jack present award to Isaac in Gustin clubhouse



One of the planted native meadows at Gustin.



Caravan of carts with Hawthorn members ride a path through the largest 'prairie' planting at Gustin.

Please Step Forward For Service

Please contact one of the officers ready 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, and we need people to man our information booth at events such as Earth Day and Bradford Plant Sale. There are opportunities to volunteer caring for native gardens in public places. We don't deliver printed copies by mail unless you insist. Please consider requesting email delivery; it saves us money for the Grant Program.

Regular (\$16.00)*

Student (\$11.00)

Contributing (\$26.00)* designate chapter or state

Paper postal service (\$10)

State Lifetime (\$200) Might be raised for 2020

Chapter Lifetime (\$120 – you must also be a member of the state organization to utilize this option)

Chapter only (\$6.00 – this is for members who already belong to State and another chapter).

*Includes both Chapter (\$6) and State (\$10) dues.

Make check payable to:

Native Plant Society. Send check and this form to:
Paula Peters, 2216 Grace Ellen Dr., Columbia, MO 65202

MEMBERSHIP FORM

Missouri Native Plant Society- Hawthorn Chapter

July 1 through June 30. Dues are Due NOW!

Name _____

Address _____

Phone: Evening _____

Day or Cell _____

Email: _____

Method of receiving chapter newsletter:
(circle preference)

Email

Regular mail

As of July 2018, Petal Pusher printed on paper in grayscale, sent by post, will cost an additional \$10 more than standard membership. Email delivery brings you color photos and it saves NPS money.