



Missouri Native Plant Society Hawthorn Chapter Newsletter

Volume 29, Number 6

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Future Activities

Watch email for email notices of impromptu hikes. **Please offer suggestions of your favorite walking destinations** to Paula or Becky; we will get them posted as soon as weather permits. **PLEASE call or email Becky or Paula as soon as you know you will attend an activity.** We don't want to leave anyone behind if weather or plans change. Leave your name and PHONE # if you leave a message. **Carpool meeting place, commuter parking lot at AC and US63.** We will no longer offer planned tours of local wild areas. Occasionally one will be posted on the calendar. Otherwise, only interested members will be contacted by email a few days in advance of a mosey activity. As stated above, let your ideas for a mosey location be noticed. We will let the rest of the local membership know about the visit to your favorite location.

June

DUES ARE DUE

7 Saturday: Gather at Terry Boyd's for persimmon treats & see their 40 acres and 6 miles of trails thru various native habitats. WW Hwy 3.8 miles east of US63. Look for mailbox on north. Call 442-6554 for more info.

7 – 8 BIOBLITZ with MO Prairie Foundation at Gayfeather Prearie in Vernon County.

13-15 Friday thru Sunday: State Meeting and field trips from Bethany MO
See May Petal Pusher for details. Plan to visit some wonderful wetlands and prairies in northern MO.

19 Thursday Quail Day, Bradford Farm 3 – 7pm. Set up booth at Bradford. Please call Becky to volunteer to help. [see bottom of masthead].

21 Saturday 5 – 8 pm and restoration tour [and potluck dinner] at the Bill and Becky Ambrose Property in Miller Co. Sign up through MPF. Bill gave us the fabulous lecture about his landscape efforts at our May Meeting. RSVP by June 16, 2014 by sending a check to Missouri Prairie Foundation, P.O. Box 200, Columbia, MO 65205 or [visit this page to pay securely online with a credit card.](#)

26 Thursday Lunch with native plant enthusiasts. 11:30 at RagTag 10 Hitt Street = just south of Broadway. Good food; lively conversation regarding plant management, environment, etc.

28 Saturday Tour of Jim Whitley Trust Property after 10 year's management and Erickson's adjacent land having no management. Several land managers in attendance. Contact beckyerick711@centurylink.net for exact time and location.

29 Sunday Tour 10 am of Louise Flenner's land after 3 year's work of incorporating natives. Contact Louise at lflenner@hotmail.com for directions.

July

12 Saturday Deck Party 5pm with Harry and Nancy 5 pm. West on I-70 to Midway exit. West on Old 40 to Booth Lane [look for line of pine trees], turn north. Watch for sharp right turn north from Walnut Grove Road. Drive north another 2.8 miles. Look for mailbox on left. Call Nancy for more info 874-2463.

14 Monday 7 PM Membership Meeting Unitarian Universalist Church, 2615 Shepard Blvd Program TBA. Contact Nadia if you have a program suggestion [see inside].

24 Thursday Lunch with native plant enthusiasts. 11:30 at RagTag 10 Hitt Street = just south of Broadway. Good food; lively conversation regarding plant management, environment, etc.

Thanks to Ann Wakeman for her photos and written submission. Thanks to Denny Donnell for keeping a calendar. Thanks to Doug Miller for keeping the website up to date. Please send new photos to Doug.

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

Announcements



News From Stateside

Submitted by Ann Wakeman Chapter Representative

The May 3 & 4, quarterly MONPS meeting and field trips centered around Potosi, MO. Friday evening we learned from Ron Clatsky about the natural history of the lead belt region of MO. Beginning in the 1720's, 70% of the world's lead was mined here in SE Missouri. We got a taste of what we expected to see on the field trips on Saturday.

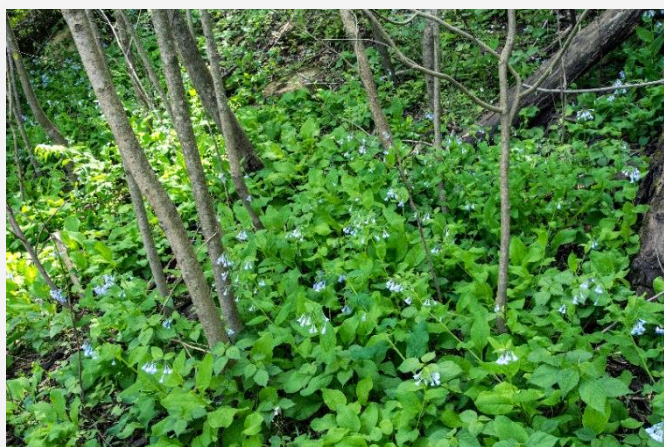


[Petroglyph photo by Ann Wakeman]

Did you know there are petroglyphs in that part of Missouri? Mississippian culture native Americans pecked symbols into the dolomite (now in Washington State Park) around 1000 AD. This is on a glade adjacent to Highway 22 outside DeSoto, MO.

Further down the hills into the Big River Valley is one trail carved along the talus slope. This trail was completed by the CCC in 1936, and includes large stone steps and gives the trail the name 1000 steps trail. The CCC also constructed 14 stone buildings there.

The hills are oak/hickory woodlands and are resplendent with woodland wildflowers such as celandine poppy, Virginia bluebells, waterleaf and blue-eyed Mary.



[bluebells photo AW]

[< Stateside]

The glades at Washington SP are home to the uncommon Fremont's leather flower, and blue-violet Nemastylis or prairie celestial.

[Fremont's flower photo AW]. We saw several Fremont's leather flower in bloom at Washington SP. We also saw large populations of American Columbo bolting prior to flowering. This is a



member of the gentian family, and is very striking for its height.

In the afternoon at St Joe State Park, we missed seeing the prairie celestial is open only in the morning hours. Named for the St. Joseph Mining Company that mined primarily lead, but also silver, zinc and copper, this park with the large tailings ridges and basins is mostly for ORV enthusiasts, but there are areas which have native plant communities. The former mining site has been developed into a museum about Missouri's mining history in the Old Lead Belt.

Saturday evening's board meeting was called to order by president, Paul McKenzie. The major announcement was an update on the MONPS website. That address is now: www.monativeplants.org This website will be update-able. Chapters are requested to put in events. Brian will add a membership form on the website.

Chapter reps need to urge members in their chapters to receive the Petal Pusher electronically. Bill Knight reported mailing 300 PP at the latest issue with 200 as the lower limit to receive bulk rate postage.

Beginning next year, MoNPS will have a new Plant Conservation award.

The BOD approved funding for a wildflower app via email. This will assist with identifying wildflowers.

Update on the Wildflower Poster, Emily reported though there have been delays, the poster will be printed soon.

The BOD discussed ways to increase membership. Analysis of the 85 respondents membership survey were shared. 77% are MoNPS members, equally split on hearing about the survey: PP, FB and other. Most wished to see PP available to anyone on MoNPS website; are interested in native plant conservation, habitat restoration, aesthetics. Nearly half respondents had not attended any field trips, State or local. The curious response to respondents wishing to keep dues at current levels, receiving PP electronically and using saved funds for plant conservation activities is at odds with no applications for the MoNPS education grant.

Bill Knight suggested chapters having a membership liaison to stay with new people who attend meetings and events.

Bill & Becky Ambrose Glade Restoration in the Ozarks

Horseshoe Glade

B Ambrose photo

I have been aggressively clearing "cedar glades" and then broadcasting a diverse mix of wildflower and native grass seed for the past 12 years. I now have about 25 acres total restored in 3 locations on my 325 acre farm. I have kept some oaks on the northern and eastern perspectives with more of a savanna look.



As a follow up to this presentation, Bill has invited the Native Plant Society members and interested friends to visit his farm 21 June [sponsored by GN and MPF] for a tour of the glades so everyone can personally see glade species and more.

Saturday, June 21, 2014--Grow Native! Field Tour and Picnic Dinner

Don't miss this special evening at MPF member Bill Ambrose's Double T Farm near St. Elizabeth, 27 miles south of Jefferson City. 4:00 to 7:00 p.m.

Tour this 325-acre farm in Miller County and see first-hand how Ambrose has used natives to restore glades, established prairie pasture for cattle, and stabilized a stream bank and improved water quality with native trees and shrubs. Native populations of collared lizards and Niangua darters are known from Ambrose's property.

Cost: \$35 for non-MPF members; \$25 for members, including the picnic dinner. Children under 5 free; children 12 and under \$5; 12 to 18 \$10. Bill Ambrose is providing the picnic dinner. Proceeds benefit the Missouri Prairie Foundation and its Grow Native! program. Tours will be on foot and by wagon.

RSVP by June 16, 2014 by sending a check to Missouri Prairie Foundation, P.O. Box 200, Columbia, MO 65205 or [visit this page to pay securely on-line with a credit card.](#)



QUAIL DAY AT BRADFORD 3-7pm

Set up booth; talk to landowners about the benefits of incorporating natives. Sell plants to them "for my wife's garden". Please contact Becky to volunteer [see bottom of masthead].



Send Nadia Ideas for Meeting Presentations

Please send any ideas for future meeting presentations to Nadia at navarrete-tindall@lincolnu.edu. Suggestions for presentation subjects from the meeting included: insect pollinators, mushrooms, and more environmental connections. Please send in what YOU want to learn about. Some topics presented in the past were, controlled fires, how to install a perennial garden, propagating natives, bring in specimens for identification, photography, mosses, tree id, , , the choice is yours.



26 June Thurs Lunch at RagTag

Meet for lunch 11:30 at RagTag, 10 Hitt St [Just south of Broadway]. This week Lunch has been postponed a week later than usually held because of our Quail Day Booth at Bradford on the usual Lunch day 19 June. Lunches have been well attended with lively discussions about plant and landscape management, alien control, and plans for the next activity. Hope to see you there.



Petal Pusher: Change in Delivery

Submitted by Becky Erickson Petal Pusher Editor

I would still appreciate more responses for Petal Pusher delivery by email. As we transition into E-delivery of PP, I must have your permission to stop receiving the printed, mailed, paper copy from St Louis. Send requests to:

beckyerick711@centurylink.net .



DUES ARE DUE

Use the form on the last page to re-up.
Address your envelope to Paula.

Sign Up 5th Annual Prairie BioBlitz, Saturday & Sunday, June 7 & 8, 2014— Gayfeather Prairie Fun & Free!



A 2012 Prairie BioBlitz participant gets a visit from a hairstreak butterfly.

The Fifth Annual Prairie BioBlitz on June 7 and 8, 2014 will be held at Gayfeather Prairie in Vernon County. At this beautiful 116-acre original prairie owned by the Missouri Prairie Foundation and the Missouri Department of Conservation, take part in intensive nature study with experts on mammals, birds, amphibians, reptiles, bees, ants, butterflies, insect coloration, moths,

and plants, and help inventory species from this biologically rich prairie. An interest in nature is all that is required!

After an afternoon of prairie exploration and a potluck picnic dinner, Dr. David Hammer with the University of Missouri will discuss prairie soils, Dan Johnson with the Astronomical Society of Kansas City will interpret the night sky with telescopes, and participants can learn about nocturnal insects. Free tent camping is available on the prairie. Additional surveying and inventory work will continue on the morning of June 8.

At the four previous MPF Prairie BioBlitzes, held at four different MPF prairies, participants documented, from individual prairies, 16 species of amphibians and reptiles; hundreds of plants, including 33 species of mosses and other bryophytes, blooming orchids, and a rush previously undocumented from prairies; 20 species of butterflies; dozens of bird species; and Arkansas darters, a fish that is a candidate for federal listing.

What MPF provides: a big tent for gathering and eating under, chairs, tables, and portable toilets.

What you should bring: tent camping supplies, outdoor clothing, sunscreen, insect repellent, flashlight, drinking water, plates, utensils, and a dish to share at the potluck dinner. You may also want to bring food for breakfast on June 8 and snacks, as well as field guides and a camera. A stove will be available for making coffee and tea in the morning. Tip: rubber boots are nice for shielding morning dew.

[Google Earth Map of Gayfeather Prairie](#)

Directions: Gayfeather Prairie is located in Vernon County on Union Track Road, about 7 miles east of Milo. From I-49, take exit 95 east on Highway E. Drive 7 miles, turn right (south) onto CR 2525, drive 2 miles, and then turn left onto Union Track Road. Drive about one-third of a mile to the gravel parking lot, which is on the left. By GPS, N37 43.649 W94 10.480 (in decimal degrees, 37.72747 -94.17466).

To RSVP, contact MPF at info@moprairie.com or 888-843-6739. Please let us know which of the groups below you want to join (one per time slot):

June 7, 2:00 p.m. to 4:00 p.m.: Quick Overview of the Lost Ladybug Project with entomologist Rich Thoma and an opportunity for all participants to collect lady beetles (and release them unharmed) over the weekend; all participants encouraged to help (everyone can participate in this and also sign up for one of the 2:00 p.m. groups below)

Prairie Plant Ecology with Mike Leahy, natural community ecologist with the Missouri Department of Conservation; 25 max in group

Butterflies with lepidopterist Phil Koenig; no max

Native Bees with Mike Arduser, native bee specialist and 23-year veteran biologist with the Missouri Department of Conservation; 15 max

Fish/Aquatic Invertebrate Sampling & Groundwater Recharge Discussion with Tom Priesendorf, fisheries management biologist with the Missouri Department of Conservation. Sample a small stream for fish and invertebrates, and use a piezometer to demonstrate groundwater levels. 10 max.

June 7, 4:00 p.m. to approximately 6:00 p.m.: Set out small mammal traps with Debby Fantz, resource scientist / heritage zoologist with the Missouri Department of Conservation; FULL

Ants with entomologist Dr. James Trager of Shaw Nature Reserve, 10 max

Insect coloration with entomologist Richard Thoma, 10 max

Plant Identification under the big tent with Mike Leahy, natural community ecologist with the Missouri Department of Conservation, and Darin Banks, botanist and life scientist and Kansas Wetlands Coordinator for the U.S. EPA Region 7, FULL

June 7, 6:00 p.m.: Potluck dinner Please bring a dish to share.

After Dinner Talk under the big tent Prairie Soils with Dr. David

Hammer, soil scientist with the University of Missouri-Columbia. Dr.

Hammer will take core soil samples from the prairie and discuss the complex and fascinating world of prairie soil; all participants encouraged to attend.

After Dark Stations (no sign up needed): Moths with Phil Koenig

Nocturnal Insect Black Light Station

June 8, 7:30 a.m. to approximately 9 a.m. Bird mist netting with Dana Ripper and Ethan Duke of the Missouri River Bird Observatory, 15 max.

Bryophytes (mosses, liverworts, hornworts) with bryologists Nels Holmberg and Dr. John Atwood, Missouri Botanical Garden, no max

8:00 a.m.:Amphibians and reptiles with John Miller of the Missouri Department of Conservation, 20 max.

Check small mammal traps with Debby Fantz, resource scientist / heritage zoologist with the Missouri Department of Conservation; 15 max

10:00 a.m.Butterflies with Phil Koenig, no max.

Saturday, June 14, 2014--Grow Native! Workshop: Converting Fescue to Native Grasses and Wildflowers



Elizabeth Hamilton-Steele, of Hamilton's Native Outpost and Grow Native! Committee member, will be our knowledgeable workshop presenter. Learn how to convert lawn or fields of fescue or other non-native vegetation to a diversity of drought-tolerant native grasses and wildflowers--for beauty, habitat for birds, monarchs and other butterflies, and/or cattle production.

You will learn:

- * how to eradicate tall fescue and other turf grasses/vegetation to prepare site
- * best seed mixes for your site
- * how to seed
- * post-seeding maintenance and weed control
- * long-term management of your planting (e.g. using prescribed fire, haying)

Workshop will be held at the University of Missouri's Bradford Farm, south of Columbia. Saturday, June 14, 2014, 9:00 a.m. to 2:00 p.m. Cost: \$40 per person for non-MPF members; \$30 for MPF members. Lunch included.

To register, [please visit this page](#).

About our presenter: Elizabeth Hamilton-Steele is with Hamilton Native Outpost in Elk Creek, Missouri. The Hamiltons raise, harvest, clean, and sell native grass and wildflower seed. They also raise cattle and pastured



hogs that graze year-round in a management-intensive grazing system that includes both warm- and cool-season grasses. The Hamiltons are doing savanna restoration on many acres of the farm, trying to reestablish the ecosystems that once covered their part of the Ozarks and at the same time improve wildlife habitat. Elizabeth graduated from the University of Missouri with a degree in Plant and Soil Science.

*Reconstructed 'prairie' at
Prairie Garden Trust in
Callaway Co*

BE photo

DUES ARE DUE USE THE LAST PAGE OF THE NEWSLETTER TO RE-UP. Send in your envelope to Paula.

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. If you get this only by mail, please consider requesting email delivery; it saves us money.

Regular (\$16.00)*

Student (\$11.00)

Contributing (\$26.00)* designate chapter or state

State Lifetime (\$200)

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: **Missouri 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**

Email delivery brings you color photos and it saves NPS money. With email delivery you also receive updates and announcements between newsletters. Regular Mail includes NO interim updates or reminders without request for phone contact.



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