



# Missouri Native Plant Society

## Hawthorn Chapter

### Newsletter

Volume 36, Number 8  
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  
314-346-4860  
[emily@emilybeckett.com](mailto:emily@emilybeckett.com)

Treasurer and Membership  
Paula Peters  
2216 Grace Ellen Dr  
Columbia, MO 65202  
[pieridae1@gmail.com](mailto:pieridae1@gmail.com)

Chapter Representative  
Michelle Pruitt  
[michelle.pruitt@gmail.com](mailto:michelle.pruitt@gmail.com)

Web Master  
Doug Miller  
[the.douglas.miller@gmail.com](mailto:the.douglas.miller@gmail.com)  
Web site:  
<http://columbianativeplants.org>

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

Communications Editor  
Becky Erickson  
573-657-2314  
[beckyerick711@centurylink.net](mailto:beckyerick711@centurylink.net)  
PO BOX 496  
Ashland, MO 65010

We would like to read about announcements, impressions, species accounts, photos, poems, links to scientific articles or other creative nature writing from you, too. Please submit during the second half of every month.

This is the 36th year Hawthorn has supplied a newsletter to chapter members.

August 2021

### Future Activities Calendar

**Our traditional meeting time is second Mondays at 6:30. We will have a ZOOM meeting 9 August because it is too hot to have a meeting together outdoors. The link will be sent Friday before. Erin Skorina will be teaching us to draw from nature.**

#### Class Description:

Take a break from the heat while drawing the showy yellow Missouri coneflower. Cool off and relax while learning about this attractive native and drawing a decorative motif of this beautiful glade and roadside wildflower.

Erin Skornia is excited about native plants in Missouri. She has worked as a botanist and botanical illustrator and has been a volunteer with the Runge Conservation Nature Center for eight years. Passionate about soil health, she is currently a Lab Assistant at the University of Missouri Soil Health Assessment Center. Erin obtained a Bachelor of Science in Biology from Lincoln University and a Bachelor of Fine Arts in Illustration from the Kansas City Art Institute. She has also worn the hats of medical illustrator, graphic designer and web designer.

#### Resources/Materials Needed:

- Photos of native plant
- 3.5" by 3.5" square drawing paper tiles (Studio Series Artist's Tile Set in white)  
§ <https://www.amazon.com/Studio-Artists-Tiles-White-pack/dp/1441316310>
- Black drawing pens, gel pens, rolling ball pens, or plastic nib pens: 0.25 to 0.5 mm point - Brands: Sakura, Pilot Precise Rolling Ball pens, gel pens  
§ [https://www.amazon.com/PILOT-Precise-Stick-Liquid-Rolling/dp/B089X5MDV7/ref=sr\\_1\\_2\\_sspa?crd=2Y37S1DSGD71W&dchild=1&keywords=pilot+precise+rolling+ball+pens&qid=1626194254&sprefix=pilot+precise+rolling+%2Cstripbooks%2C178&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyOFdORUcySzIzWUICJmVuY3J5cHRlZElkPUEwOTYzOTAxTURJRkURjJMU1JmVuY3J5cHRlZEFkSWO9OTA3NDY3MDEzSIIMVjJVOFJZQUwmd2lkZ2V0TmFtZT1zcF9hdGYmYWNoaW9uPWNsaWNRUmVkaXJlY3QmZG9Ob3RMRmB2dDBlgljaz10cnVl](https://www.amazon.com/PILOT-Precise-Stick-Liquid-Rolling/dp/B089X5MDV7/ref=sr_1_2_sspa?crd=2Y37S1DSGD71W&dchild=1&keywords=pilot+precise+rolling+ball+pens&qid=1626194254&sprefix=pilot+precise+rolling+%2Cstripbooks%2C178&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyOFdORUcySzIzWUICJmVuY3J5cHRlZElkPUEwOTYzOTAxTURJRkURjJMU1JmVuY3J5cHRlZEFkSWO9OTA3NDY3MDEzSIIMVjJVOFJZQUwmd2lkZ2V0TmFtZT1zcF9hdGYmYWNoaW9uPWNsaWNRUmVkaXJlY3QmZG9Ob3RMRmB2dDBlgljaz10cnVl)
- Small drawing tortillons or cotton swabs  
§ [https://www.amazon.com/Art-Alternatives-Tortillons-16-Pkg/dp/B0028D433W/ref=sr\\_1\\_14?dchild=1&keywords=tortillon&qid=1626194417&sr=8-14](https://www.amazon.com/Art-Alternatives-Tortillons-16-Pkg/dp/B0028D433W/ref=sr_1_14?dchild=1&keywords=tortillon&qid=1626194417&sr=8-14)
- 3B or softer pencil  
· § [https://www.amazon.com/Staedtler-Lumograph-Writing-Drawing-Sketching/dp/B011456Y YA/ref=asc\\_df\\_B011456Y YA/?tag=hyprod-20&linkCode=df0&hvadid=167152767982&hvpos=&hvnetw=g&hvrnd=13320775694142978918&hvpon=&hvpt=0&hvqmt=&hvdev=c&hvdvcmdl=&hvllocint=&hvllocphy=9023530&hvtargid=pla-308474806440&th=1](https://www.amazon.com/Staedtler-Lumograph-Writing-Drawing-Sketching/dp/B011456Y YA/ref=asc_df_B011456Y YA/?tag=hyprod-20&linkCode=df0&hvadid=167152767982&hvpos=&hvnetw=g&hvrnd=13320775694142978918&hvpon=&hvpt=0&hvqmt=&hvdev=c&hvdvcmdl=&hvllocint=&hvllocphy=9023530&hvtargid=pla-308474806440&th=1)
- Pencil sharpener
- Kneaded eraser  
· § [https://www.amazon.com/June-Gold-Kneaded-Rubber-Erasers/dp/B074DC4F7G/ref=sr\\_1\\_1\\_sspa?crd=1RYP761LXOYRL&dchild=1&keywords=kneaded+eraser&qid=1626194477&s=arts-crafts&sprefix=kneaded+eras%2Caps%2C243&sr=1-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEwOTYzOTAxTURJRkURjJMU1JmVuY3J5cHRlZElkPUEwOTYzOTAxTURJRkURjJMU1JmVuY3J5cHRlZEFkSWO9OTA3NDY3MDEzSIIMVjJVOFJZQUwmd2lkZ2V0TmFtZT1zcF9hdGYmYWNoaW9uPWNsaWNRUmVkaXJlY3QmZG9Ob3RMRmB2dDBlgljaz10cnVl](https://www.amazon.com/June-Gold-Kneaded-Rubber-Erasers/dp/B074DC4F7G/ref=sr_1_1_sspa?crd=1RYP761LXOYRL&dchild=1&keywords=kneaded+eraser&qid=1626194477&s=arts-crafts&sprefix=kneaded+eras%2Caps%2C243&sr=1-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEwOTYzOTAxTURJRkURjJMU1JmVuY3J5cHRlZElkPUEwOTYzOTAxTURJRkURjJMU1JmVuY3J5cHRlZEFkSWO9OTA3NDY3MDEzSIIMVjJVOFJZQUwmd2lkZ2V0TmFtZT1zcF9hdGYmYWNoaW9uPWNsaWNRUmVkaXJlY3QmZG9Ob3RMRmB2dDBlgljaz10cnVl)

### Announcements

**Opening for chapter Treasurer/Membership volunteer needed.** Candidate will be instated at December meeting: The Treasurer takes care of the money and any memberships paid locally. The state maintains the official membership list.

Serious candidates are welcome to contact Paula for details.



Thanks to Karen, Diane, and Bob for nursery help.  
Cindy and Katie will be scheduled when weather cools.  
Thanks to Michelle for proofing this newsletter.

## GOLD LINKS

All new MPF/GN events posted here:  
<https://grownative.org/events/>

## 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.

Don't forget to keep up with your **BudBurst** data. Record early emergence, date flowers open and later, seeds  
<https://budburst.org/>  
They need your data!!!

The Naturalist's Notebook used to record phenology is available from [storey.com](http://storey.com) for \$19.95. Here is the link to the calendar you can print yourself:  
[https://www.storey.com/wp-content/uploads/2020/02/Naturalists\\_Notebook\\_Calendar\\_01.pdf](https://www.storey.com/wp-content/uploads/2020/02/Naturalists_Notebook_Calendar_01.pdf)

Elena offered to share this article on [butterfly identification](#) from MPF:  
[https://drive.google.com/file/d/189ztcJixsQVxgoNYqfUyKUUSbzCAfJzI/view?fbclid=IwAR2k4EU\\_qu40bPIjBNDBNJd4tOT\\_yxWleS8VZSSxf1NE6PnRkAW5oqkpz84](https://drive.google.com/file/d/189ztcJixsQVxgoNYqfUyKUUSbzCAfJzI/view?fbclid=IwAR2k4EU_qu40bPIjBNDBNJd4tOT_yxWleS8VZSSxf1NE6PnRkAW5oqkpz84)

You can now **subscribe to National Geographic Magazine** on line for \$19/year:  
[https://ngmdomsubs.nationalgeographic.com/pubs/NG/NGM/ngm\\_email\\_3\\_Feb21\\_annual\\_and\\_monthly.jsp?cds\\_page\\_id=257182&cds\\_mag\\_code=NGM&id=1624414833517&lsid=11732118110022982&vid=4](https://ngmdomsubs.nationalgeographic.com/pubs/NG/NGM/ngm_email_3_Feb21_annual_and_monthly.jsp?cds_page_id=257182&cds_mag_code=NGM&id=1624414833517&lsid=11732118110022982&vid=4)

Be aware – when weather moderates we will announce a mosey but only a few days in advance. Some of us are inclined to go to prairies in Pettis Co. Read our emails.

*"Go my Sons, burn your books. Buy yourself stout shoes. Get away to the mountains, the valleys, the shores of the seas, the deserts, and the deepest recesses of the Earth. In this way and no other will you find true knowledge of things and their properties." Peter Severinus, 16th. century Dane educator.*

There are many professional, in-person planted garden tours available from MPF. The Grow Native! Native Gardens of Excellence sites are located in a variety of settings ranging from multi-acre plantings associated with commercial properties; to formal, urban gardens; and even small community plots.

All sites in this program share two attributes: each garden has been carefully planned and is regularly maintained. Both of these attributes are fundamental to ensure the long-term functioning and appearance of any native planting. [Read more here, and peruse all the inaugural sites featured in the program.](#) Many thanks to Grow Native! volunteer Erica Ballard who coordinated many aspects of this new program.

### Features in MPF/GN newsletter:

Join us for an evening of prairie celebration. [MPF's virtual Annual Dinner](#) on Friday, August 20 will feature [Dr. Walter Schroeder speaking about the creation of his legendary presettlement prairie map of Missouri](#), an original song in honor of Missouri's Bicentennial, prize drawings, award presentations, virtual dedication of MPF's Polson Loess Bluff Prairie, and a concurrent silent auction.

### News items and resources below:

- Job opening: MPF and Grow Native! Administrative & Outreach Assistant
- Are nativars good or bad? Read Grow Native!'s statement on nativars.
- Aug. 4: Grow Native! Master Class with Ronda Burnett on Stormwater Management Design
- Aug. 18: Prairie Happy Hour with Bruce & Jerod: Virtual Tour of The Rae Letsinger and Schuette Prairies
- Aug. 20: MPF Virtual Annual Dinner & concurrent silent auction
- New! Shady Haven Native Garden Plan

### Excellent info from GN . . .

- [Native Landscape Care Calendar](#) -- for professionals and homeowners. We also have a brief [one-page care overview](#) as well.
- And, just added to the GN website - extensive [Butterfly Host Plant list](#)

## VOLUNTEERING OPPORTUNITIES

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](mailto:langtrea@gmail.com) call or text 864-7647.

## Public Enemy #1



Perfectly camouflaged, this oriental mantis waits on flowers to eat EVERYTHING that lands on it: all beetles, butterflies, bees, other mantids, hummers, and finches who come for seed. It is imperative to rid your area of this ecological menace. Catch and kill the bird-sized adults. Egg cases look like a tan foam golf ball stuck on any vertical twig or wire. Put them in a jar over a year, or soak them in something flammable and light on fire to be sure they are dead before disposing in the trash.

## Public Enemy #2 Tussock moth *Euchaetes egle* caterpillar

They come in herds/hordes and devour milkweeds in one day. So you have no milkweed leaves for monarchs. There are many caterpillars with white and black bristles found on the under-side of leaves. **SQUISH THEM ALL!** Last year I posted this and two people messaged me in a panic after they had not read this. No room for a photo, look it up on line. *Euchaetes egle*



## GrowNative!'s Statement on Nativars

### Included: recent statements from WildOnes and MO Native Plant Society

"Nativars" are cultivars of native plants. Among native plant enthusiasts, there is much speculation about the role of nativars in native landscaping and their value to nature's web of life.

To address the many questions surrounding nativars, MPF's GrowNative! program committee included development of education resources about nativars in its current strategic plan. A subgroup of committee members has met numerous times since late 2020 to discuss and develop a position statement on nativars.

As part of the statement development process, the Grow Native! nativar subgroup met with Dr. Doug Tallamy of the University of Delaware, Dr. Annie White of the University of Vermont, and George Coombs, Director of Horticulture at the Mt. Cuba Center in Delaware—all of whom have been involved in research related to nativars—as well as with a group of landscape designers and architects to learn about their views on natives and nativars, to gain additional insight into this topic.

The resulting **Grow Native! Statement on Cultivars, Nativars, and Native Plants** has just been posted on the Grow Native! website and includes definitions of terms related to nativars (e.g., strains, selections) and links to studies on nativars that the Grow Native! program has been compiling.

We are interested in your feedback on this new Grow Native! resource. If you would like to comment, please send a message to [grownative@moprairie.org](mailto:grownative@moprairie.org).

GN offers through the link supplied here a long list of research to back up these statements. Included is the statement published by WildOnes this July <https://wildones.org/revised-nativar-statement-2021/>.

**MONPS adopted a concise summary statement at the board meeting 26 June:**

*The Missouri Native Plant Society was founded to promote the enjoyment, preservation, conservation, restoration, and study of the flora native to Missouri.*

To uphold these values, we oppose the use of cultivars derived from native species, called "Nativars". These horticultural derivatives are genetically detrimental to truly wild species because through cross pollination, subsequent generations may have incorrect bloom color, bloom time, and nutritional requirements for insects, birds, and mammals who rely on them to flourish.

Please obtain your native plants from growers that produce plants responsibly from local seed sources to avoid ecological decline.

## Want to help pollinators?

In addition to supporting The Nature Conservancy's work protecting and restoring habitat, the best thing you can do is to make your home, school, workplace or neighborhood pollinator friendly. Whether you live in a city high-rise, a suburban cul-de-sac or on a farm, you can create an oasis of pollinator habitat. Put your DIY skills to use with one of these simple projects that will attract birds, bees and butterflies. Before you know it, the oasis you've created will be abuzz with pollinator activity.

Articles Planting for Pollinators

See many illustrations of Artist Lisel Jane Ashlock [in PP illustrations file]

<https://www.nature.org/en-us/magazine/magazine-articles/planting-for-pollinators/>

<https://www.nature.org/en-us/magazine/magazine-articles/pollinator-paradise/>



## TNNPS Offers Open Webinars

Why am I posting zooms offered by TNNPS? Because Many of the same habitats occur there as occur in MO. Although they are a long way east, they are on the same latitude. And Many similar species occur in both places. If you see the presenter focus on a plant you like, note the genus and look up the species of that genus that live in MO.

**Webinar date/time: Every third Tuesday; 6:30-7:30pm \*\*CT\*\* Duration: 1 hour**

**No pre-registration required, no cost to attend.**

More info and join link: <https://www.tnps.org/wp-content/uploads/2021/03/2021Seminars.pdf>

Webinar presented by [Tennessee Native Plant Society](#)

What will you learn? Speakers are drawn from their most knowledgeable membership, from professionals across the state, and from the professors and students studying Tennessee native plants. A range of topics will be covered that may include plants that are currently blooming, native plants in your yards, current research on native plants, protections for native plants, and so much more.

Presenters:

August 17: Bart Jones, Pollination Strategies of Native Orchids

September 21: Pandey Upchurch, Edible Natives

October 19th: TBA

November 16: Margie Hunter, Invasive Plants of Tennessee

January 18: Dave Walters and Dr. Cindi Smith-Walters, Winter Plant Identification

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 is a gift of a free download:

[https://pdfforall.com/wp-content/uploads/2020/08/Braiding-Sweetgrass-PDFORALL.COM\\_.pdf](https://pdfforall.com/wp-content/uploads/2020/08/Braiding-Sweetgrass-PDFORALL.COM_.pdf)

## Links to two of our Chapter Autumn Zoom Presentations

Lea's Outdoor Native Plant Classrooms <https://1drv.ms/p/s!AjscdYpHSUkgc3nMcng4S-pzkVU?e=qvUOJL>

Becky's Pollinator ID & Garden Plants:

<https://1drv.ms/p/s!AjscdYpHSUkgc3nMcng4S-pzkVU?e=qvUOJL>

(the NOTES show up in the bottom, but you might need to click "notes" at the bottom of the screen to see verbiage).

St Louis chapter presentations are posted on the state website

To learn more about Deep Roots KC or to view previous educational webinars, visit <https://deeprootskc.org/>

## Essay by Margaret Renkl, NY Times, 26 February 2021

Link to full article: <https://www.nytimes.com/2021/02/26/opinion/winter-gardening-wildlife.html>

## Blue and Gold

Becky was inspired by Kimmerer's chapter on Asters and Goldenrods in *Braiding Sweetgrass*.

I realized in my photo albums that I have several files named "Spring blue and gold" and "Fall blue and gold". These seasons and their colors always stimulate me deeply. As a trained artist I know the color receptors in humans' eyes are pyramid shaped and are stimulated by blue, green, and red. All of the other colors we see are combinations. When our cones absorb colors that are on opposite sides of this triangular pyramid, they vibrate because they are not exactly balanced; one is on or near a pointed edge and the other is on a flat side. So the purpley-blue of asters and the slightly orangey-yellow of goldenrods blooming together is highly stimulating to the human brain. We pause and stare in wonder at the mesmerizing 'eye-candy'.

In Spring we find blue jacob's ladder and sweet william phlox mixed with yellow senecio and celandine, to name only a few [left]. Later in the season there are about



11-15 blue aster species and a few more than 20 goldenrods indigenous to our region [right]. One day per season it will take our breaths away – if we pause to pay attention.



Spring and fall have different populations of pollinators who specialize on only one or few genera of plants – sometimes only one species of plant. They coordinate their development and emergence according to temperature and the bloom time of this one plant species. Insects who pollinate these plants see ultra violet reflections that display

many more colors than those that we see. I especially noticed this while galloping on my horse through a fallow field sprouted with annual fleabane [*Erigeron*]. The white petals reflected waves of a kaleidoscope of pinks and blues.

The only way to learn these cycles and relationships is to go to wild areas with diverse plant communities. Sit on the soil. Absorb the energy. Watch what is happening around you. It is not that the land is broken, it is that our relationship with the land is broken. I refer you to *The Rise and Fall of Natural History* [essay] by Robert Michael Pyle published in *Orion Magazine* Autumn 2001 [I can send it to you on request], and *Braiding Sweetgrass* by Robin Wall Kimmerer [the free link is here in the left column], and any book or essay by Doug Talamay.

## Regarding Firefly Day

Shared thoughts from Howard

When I sent the link for [Firefly Day, 3-4 July](http://xerces.org/blog/world-firefly-day-watch-us-dont-catch-us) <http://xerces.org/blog/world-firefly-day-watch-us-dont-catch-us>, Howard was inspired to let us know his experiences:

You are welcome to share what I wrote. Thanks to Lea for providing the inspiration and to you for sharing her message. I think the two paragraphs are enough for now. Maybe others will be so moved to contribute little pieces while it's all fresh in their heads. Per our previous exchange I will follow through with weightier stuff for the newsletter.

Indeed, the fairy charm of fireflies on a summer's eve is one of life's immeasurable delights! Years ago I'd wander the hayfields late at night in the Ozark hills and look out at that enchanting, bejeweled scape up unto the tree lines in the distance. Perfect for lovers and dreamers.

## Missouriensis - On Line Now!

Sent from Dana our MONPS  
President.

Great news! Your newest issue of *Missouriensis*, the journal of the Missouri Native Plant Society, is now available! Volume 38 (2020) of *Missouriensis* can be accessed on our website at <https://monativeplants.org/publications/missouriensis/>.

This issue is packed with fascinating topics, including current research about a new (and colorful) lichen in Missouri, a new and potentially invasive *Viburnum*, new occurrences of two critically imperiled sedges, characters to help identify a confusing group of *Desmodium*, clarification of a moss nomenclatural issue, and more.



## Insecticides Found in Milkweed Samples

Synopsis from *Xerces Society Wings* 43:2, Fall 2020, P30.

They collected and tested 225 samples of milkweed from California Central Valley [ag field edges, wild areas, plants from nurseries, suburbs] during June of 2019. Retail nurseries and ag field samples had more insecticides. They found 64 different chemicals. 32% of the samples contained levels of harmful insecticides known to harm butterflies. Five were contained in 80% of all samples. Two which were found in 90% of the 225 samples: chlorantraniliprole and methoxyfenozide.

[Ed. Note] PLEASE!!

**Take this data into consideration when purchasing plants. If you don't get them from a reputable native plant dealer – please consider growing natives from local-sourced wild seed or *insitu* [seed in ground].**



Photo lifted from internet: [https://blog.timesunion.com/travelgal/files/2012/03/05.-Firefly-image\\_TH.jpg](https://blog.timesunion.com/travelgal/files/2012/03/05.-Firefly-image_TH.jpg)



## PLANTAGO

This excerpt from *Changing Tides: An Ecologist's Journey to Make Peace with the Anthropocene* by Alejandro Frid (forthcoming, October 2019) appears by permission of New Society Publishers.

Robin Wall Kimmerer, a member of the Citizen Potawatomi Nation and a plant ecologist at the State University of New York, has thought hard about these issues. Her positionality as an Indigenous woman and an accomplished member of the global scientific community has led her to powerful insights. And to answer some of the hardest questions facing humanity, she often turns to the wisdom of plants. Of invasive species brought by European settlers into North America, she wrote, “Garlic mustard poisons the soil so that native species will die. Tamarisk uses up all the water. Foreign invaders like looste-rife, kudzu, and cheat grass have the colonizing habit of taking over other’s homes and growing without regard to limits.”

These bullies, which spread with impunity and simplify ecosystems into low diversity and low resilience, embody only one possible narrative for what a settler can be, and often has been. But, Kimmerer points out, settlers also can access an alternative narrative: the one symbolized by plantain, *Plantago major*, which “fits into small places” and “coexists with others.”

“Just a low circle of leaves, pressed closed to the ground with no stem to speak of, it arrived with the first settlers and followed them everywhere they went. It trotted along paths through the woods, along wagon roads and railroads, like a faithful dog so as to be near them. Its Latin epithet *Plantago* refers to the sole of a foot.”

Kimmerer goes on to describe how her people first distrusted this “White Man’s Footstep” but eventually “became glad for its constant presence” because the seeds “are good medicine for digestion. The leaves can halt bleeding right away and heal wounds without infection.”

Kimmerer’s insight is that plantain is “so well integrated that we think of it as native.” Yet it is not. Plantain is naturalized: the term used for immigrants into a new country who “pledge to uphold the laws” of that specific part of the world.

The First Nations with whom I work—Nuxalk, Kitasoo/Xai’xais, Wuikinuxv, and Heiltsuk—have ancient and sophisticated legal systems that outline human responsibilities towards human and nonhuman kin. Paramount to these laws are principles of respect, gratitude, and reciprocity towards all living things. Of taking only what we need, not wasting. Of making management decisions that prioritize what is left behind rather than what is taken. These laws are codified in traditional stories and in the archetypal symbols used to create art. When Europeans arrived at the Americas, many other cultures, including Kimmerer’s people, practiced similar legal systems. For the First Nations I work with, as for many other Indigenous peoples, these traditional legal systems are still very much alive and being incorporated into modern resource management.

So there you have it.

The likes of me will never become Indigenous; nor should we want to. But we can become naturalized, mindful and respectful of Indigenous laws. Those that, in the tradition of Kimmerer’s people, provide the “Original Instructions” for practicing an “Honorable Harvest,” one that promotes the diversity of life and the resilience of ecosystems.

Following the paths of kudzu, looste-rife, and cheat grass is a choice. But so is a future shaped by Kimmerer’s alternative narrative. *Plantago major*, a naturalized citizen who came from faraway to practice coexistence, to share healing powers that benefit settler and Indigenous both.

## Topics for This Years' Petal Pusher

the state MONPS newsletter

**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 experts on any of these topics, Michelle Pruitt [on masthead] is willing to do an amateur proofread for you if that would be helpful.

**The submission deadline for the Sept/Oct issue is 20 August.**

**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).**

- Focus on a Plant Family could be used every year. Louise Flenner of Hawthorn chapter wrote a good article on this topic in 2019. Would be good to study that as a template.

- 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

- **Historical Botanists.**

- 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 Membership and 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. We send communications and the newsletter by email.

State Membership Level (check all that you request):

\_\_\_\_ Student \$5  
\_\_\_\_ Goldenrod \$10  
\_\_\_\_ Sunflower \$25  
\_\_\_\_ Blue Bell \$50  
\_\_\_\_ Blazing Star \$100

\_\_\_\_ Surcharge for paper state Petal Pusher by mail \$10  
**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 instant delivery. It saves natural resources, pollution, and MONPS' and your money.**

**Minimum required annual membership per household is \$10 for students or \$15 for non-students [state+chapter]**

**Chapter membership:**

\_\_\_\_ Hawthorn Chapter \$5

Hawthorn requires chapter newsletters by email = no charge  
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**  
**Fiscal year is July 1 through June 30.**

How were you attracted to join MONPS?

\*Name \_\_\_\_\_

\*Address \_\_\_\_\_

Phone: Home \_\_\_\_\_

Cell \_\_\_\_\_

\*Required

Email: \_\_\_\_\_