



# Missouri Native Plant Society Hawthorn Chapter Newsletter

Volume 35, Number 5  
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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:

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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**. Please submit during the second half of every month.

This is the 35th year Hawthorn has supplied a newsletter to chapter members.

May 2020

## Future Activities Calendar

**Sad to say: all future group activities are cancelled.**

We just want everyone to be as healthy as possible.

This does not mean you must stay inside looking at a screen, or reading, or cleaning the closet for the third time. Put on your boots, sun hat, tick repellent, water bottle and go explore! Go off trail! *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.*

Go to a native plant nursery to buy plants to expand your garden. "...the psychological benefits to humans of green space are closely linked to the diversity of its plant life..." *Jonah Lehrer*

Getting exercise outside will help your physical and psychological health while you can't have human contact. *"Those who contemplate the beauty of the Earth find reserves of strength that will endure as long as life lasts."* *Rachel Carson*

Take your frustration and aggression out on some aliens. Triclopyr is the best stump treatment in spring. Glyphosate only works after 1 August.

**11 May, our scheduled chapter meeting day, Alice Tipton is scheduled to give her PhD research on mycorrhiza.** The core group has discussed several options to fulfill this meeting with extraordinary information. They decided to have a zoom meeting. I don't know how this is done, but you can try to learn from this link.

**Zoom Tutorial:** <https://www.youtube.com/watch?v=9isp3qPeQ0E>

Apparently I will be forwarding something to you about this zoom meeting later by email.



## Announcements

**Lunch at RagTag Thurs 15 May Cancelled until future notice**

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



**Meetings are the second Monday:**

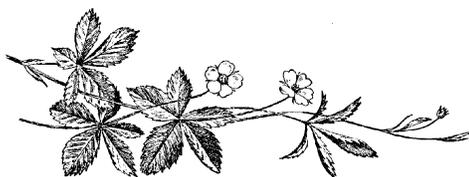
**11 May meeting will open with Alice Tipton speaking on mycorrhizae [essential soil fungi].**

**Stay tuned for a zoom meeting announcement in future emails**



We want to thank Dee, Emily, Kathleen, Michelle, Linda, for reporting on their alien removal this month.

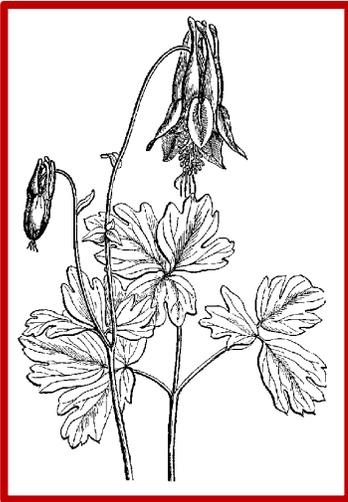
We all enjoy reading personal articles about your experiences and new knowledge about nature.



*Potentilla simplex*



*Prunus americana*



**Columbine** *Aquilegia canadensis*  
A favorite for hummingbirds.

**Welcome to new members**

**Leah from the Columbia area just joined our chapter!**

Hopefully the new growing season will sprout new interest from the community.

**Don't forget to talk to your friends.**

## Plant Sales Cancelled

Now that you are required to stay at home, you will have time and energy to expand your pollinator garden.

Open plant sales have been cancelled, **but GN is organizing a pre-order delivery at BassPro 16 May. It is important to patronize our native plant propagators and vendors.**

Our chapter nursery is 18 miles south of Como; contact Becky [on masthead] for an appointment.

There are others near JC, Fulton AuxVasse, K-ville. Consult the Grow Native Resource Guide for locations. See column 'Nuggets of Gold' for more information.

**Please look around at the members and others you know who have contributed to conservation and preservation of native flora. Nominate anyone you think has done more work than expected to fulfill the qualities as described by the award category.**

## Missouri Native Plant Society Awards: Nominations Due May 15

The MONPS Awards Committee seeks nominations of people who have supported the preservation of Missouri's flora and have helped MONPS beyond an average effort. **MONPS offers six awards:**

- 1) Erna Eisendrath Memorial Education Award, recognizing individuals who, through teaching, writing, or other activity have conveyed to others a significant appreciation and knowledge of Missouri's native flora.
- 2) Arthur Christ Research Award, recognizing an individual's significant contribution in furthering the knowledge of Missouri flora.
- 3) Plant Stewardship Award, recognizing an individual or organization for the preservation of important elements of Missouri's flora through purchase, registry, and/or management practice.
- 4) The John E. Wylie Award, recognizing individuals who have provided exceptional service to the Society.
- 5) Plant Conservation Award, recognizing an individual or organization for outstanding contributions to the conservation or preservation of native plants or plant communities in Missouri. This award differs from the Plant Stewardship Award in that it is not tied to direct acquisition or management of tracts of land, but instead may recognize various types of outstanding achievements or efforts, such as conservation planning, advocacy, or new ways of looking at old problems.
- 6) Julian A. Steyermark Award, the Society's highest award, given to an individual who has made outstanding contributions to any and all aspects of Missouri botany.

The deadline for nominations is May 15. Nominations should contain the full name of the nominee and the name of the person making the nomination, and they should set forth the contributions of the individual or organization that merits recognition. **Award recipients need not be members of MONPS.** Please submit nominations to Awards Committee Chairwoman, Michelle Bowe, Michelle Bowe Department of Biology Missouri State University 901 S National Ave Springfield MO 65897 [mbowe@missouristate.edu](mailto:mbowe@missouristate.edu)



**Mid Missouri Wild Ones wants to invite any interested persons to get together for future activities.**

**It is possible these tours might go on as planned. Stay Tuned.**

### Events Offered by WildOnes

**May 30, Saturday, 10:00 a.m.:** Tour of the rain garden at Rockbridge High School. More information to follow.

**June 20, Saturday :** field trip to Prairie Garden Trust. More information to follow

**August:** yard tour of Laura Hillman's yard.

### Let's tour your yard!

All members who have a native garden are invited to be a part of the yard tour schedule. This is an opportunity to have other members learn from your place and for you to learn from them. There are some very educated members who can make suggestions that will be a benefit to the success of your native plantings. We don't come into your house, just tour your plantings. This is an excellent socialization to get to know other interested members. If you want be on the yard tour list, contact us at [wildonesmidmo@gmail.com](mailto:wildonesmidmo@gmail.com).

Let us know a tentative date, time and place and we will notify the membership.



# Community Alien Removal

I just had a thought: all of our landscape energy could be far more productive if we could find a virus for bush honeysuckle.

## Kathleen's April Afternoons

I was excited about the invasive removal contest at the beginning of the month. By April 20, I was ready to move on to a different activity and TIRED!

Being a birder, I went birding, solo, in the morning and worked on honeysuckle, pear and Autumn olive in the afternoon.

When we moved to our place in 1972, I ordered a "conservation bundle" from the Conservation Department. It included Autumn Olive, which I planted in the Spring of 1973. There were probably 8-12 plants. I feel like those plants, which I removed from my property probably 15 yrs ago, have seeded the neighborhood.



We have 4 Acres, honeysuckle is the worst invasive here! It is around every tree and on the property line. Luckily my husband loved to ride the lawn mower or I would have had solid honeysuckle in the back of our property.

We purchased a "tree wrench" years ago so if rain was predicted, I used the tree wrench to pull smaller bushes. If no rain was predicted I cut

larger bushes and treated the cut stem with triclopyr.

In addition to Bush Honeysuckle, Autumn Olive and Callery pear, I have Burning Bush, Multi-flora rose, privet, Winter Creeper and vine honeysuckle. **My reported count was 433**

I was working in the front part of my property and thought it was looking better, but made the mistake of walking around the back and got depressed at how much is left.

It was an interesting project, although time consuming and exhausting. I will continue to cut or pull invasive species on my property, but at a much slower pace.

## Productive Social Distancing at Clark's Hill

Submitted by Linda

Here's something to feel good about in spite of the pandemic! So far in 2020, volunteers have **cleared 9,373 sq. ft. and 589 linear feet** of invasive species along the Osage Trail at Clark's Hill/Norton State Historic Site. Bush honeysuckle is by far and away the most conspicuous invasive at this site, but we have removed Japanese honeysuckle, wintercreeper, multiflora rose, and others.

Many thanks to Sonya (Missouri Master Naturalists) and Celeste (River Bluffs Audubon Society) for their help in getting this work done and to Native Plant Society members for their help with plant IDs.

In addition, native plants are starting to thrive in the dry limestone/dolomite

Wild comfrey [*Cynoglossum virginianum*] is one of many native plants being choked out at Clark's Hill.



## Nuggets of Gold Links

From a PCA News Announcement:

The United Nations General Assembly has declared 2020 the International Year of Plant Health to raise global awareness on how protecting plant health can help end hunger, reduce poverty, protect the environment, and boost economic development. <http://www.fao.org/plant-health-2020/about/en/>

According to the U.S. Department of Agriculture's National Institute of Food and Agriculture:

**Invasive species constitute one of the most serious economic, social, and environmental threats of the 21st century.** Nearly every terrestrial, wetland, and aquatic ecosystem in the United States has been invaded by non-native species, with economic losses estimated at \$137 billion per year. Invasive plants, animals, pests, and diseases are often introduced organisms that impact both natural and managed lands. As the volume of global travel and foreign imports grows, so does the threat of invasive species.

See the U.S. Department of Agriculture USDA Awareness Efforts in the United States, including a conference being planned for later this year: <https://nifa.usda.gov/topic/invasive-pests-and-diseases>

USDA Jan. 27, 2020 news release:

[https://www.seedquest.com/news.php?type=new&id\\_article=113580&id\\_region=&id\\_category=&id\\_crop=](https://www.seedquest.com/news.php?type=new&id_article=113580&id_region=&id_category=&id_crop=)

USDA International year of Plant Health website: <https://bit.ly/2wdrNqt>

## 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](http://www.moinvasives.org)

### WHERE DO I FIND GOOD NATIVE PLANTS?

With these facts in mind, a large majority of NPS members feel the best policy for native plant and seed purchase is from local vendors who grow perennials only from wild local seed sources. If the vendor doesn't know where the source is or if it is treated with insecticide, I suggest you find a vendor who does so your plants are environmentally compatible. There are several open plant sales in the area and several vendors happy to accommodate you. **See the Grow Native resource guide.** <http://grownative.org/wp-content/uploads/2018/02/2018-Grow-Native-Resource-Guide-Low-Res.pdf> Please keep this in mind when you add to your pollinator garden.

woodland and cliff communities cleared last year. Species include a sizable and vibrant colony of the imperiled Amethyst Shooting Star (*Dodecatheon amethystinum*).

Bush honeysuckle has taken over so many of Missouri's beautiful landscapes. In the hierarchy of bush honeysuckle invasions at Missouri State Parks, Clark's Hill has been called the "worst of the worst." It is thick out there, but now a part of this land is being preserved to more closely resemble what Lewis and Clark would have seen when they marveled at the beauty of the land they were exploring.

If you have questions or wish to help, please call me at 573-418-0651. We proceed on!!

## Michelle is Improving Nature!



What have I been doing to improve nature this spring? Each spring I dig out more invasives, and add more natives, and each year I see more birds, more butterflies, more bees, and more of those

lovely little microleps that I like to think of as fairies when they are backlit by the afternoon sun.

This year the next-door neighbor gave us permission to clear the bush honeysuckle on his side of the fence, too, so we have more ground to take back for the good guys. Photo attached of the first foray into enemy territory. We're not counting stems but that's probably a tenth of an acre to clear?

I also took my husband and a magnifying glass on Louise's moss hike at Turkey Creek, and we loved it. Not sure if that qualifies as improving nature, but it was fun.



## Emily's Hard Work on County Branch

[Hope this inspires you to recruit your neighbors]

We've been at the removal train hard in the last 2 weeks. It may be hard to tell in the photo link below, but we've convinced **our neighbors on either side of us** to chop down all bush honeysuckle, rip out by roots (the crown at least) and paint cut stumps. Once we unearthed piles of the chopped honeysuckle, we've burned several piles in our burn pit. I don't have accurate documentation of just how much we've burned in the last month, but in the photos below, you can see other neighbors full of green BHS who have not yet jumped on board with our removal project. We're also ripping out winter-creeper as we go but that seems so daunting. It's EVERYWHERE!!!!

[Impressive story with 21 photos – as with an email chain, read/view from bottom->up] <https://emilybeckett.smugmug.com/MO-Invasives-removal-2020/n-5bqbgx/>

Missouri Prairie Foundation [MPF] [home page](https://moprairie.org/), field trips, workshops and plant sales:

<https://moprairie.org/>

Recent article on the status of **bumblebee populations**:

<https://www.washingtonpost.com/climate-environment/2020/02/06/bumblebees-are-vanishing-scientists-blame-climate-change/>

Newest article from Tallamy:

[https://www.gardendesign.com/eco-friendly/wildlife.html?utm\\_source=article-newsletter&utm\\_medium=email&utm\\_campaign=10-Ways-Wildlife-2-20-20](https://www.gardendesign.com/eco-friendly/wildlife.html?utm_source=article-newsletter&utm_medium=email&utm_campaign=10-Ways-Wildlife-2-20-20)

Center for Plant Conservation:

<https://saveplants.org/> features best practices for saving endangered plants. This month's newsletter from the Center includes great tips on encouraging communities to plant natives (Connect to Protect Network), answers to some pressing questions like "How native is native?", and links to useful resources such as the CPC Best Practices for plant conservation collections, with an impressive array of authors, including several names from within the Plant Conservation Alliance community. **And beautiful pictures** to boot! Read this month's newsletter: <https://saveplants.org/2020/02/03/february-2020-news/>

**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](https://nsf.gov/discoveries/disc_summ.jsp?cntn_id=295868)

**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>

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

**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](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)

Michelle recently ran across this site that looks like a **great way to participate in citizen science**,



## Dee's Summer Project

Bags of mustard garlic I pulled from Greenbelt's Hinkson Valley. This was first year we noticed it and hope to keep on it. Number of stems - gazillions. Also have been finding and pulling small patches at Bear Creek trail and small streams.

Also been root docking large honeysuckle at a lovely tributary of the Hinkson. Don't have big pile 'cause University facilities has been hauling them away. Probably 20 bushes this size so far. My spring and summer project.



especially for kids. <https://journeynorth.org/>

About Journey North: In its 25th year, **Journey North is one of North America's premiere citizen science programs** for people of all ages. The project has broad participation, with over 60,000 registered sites in the US, Canada, and Mexico — including families, teachers, schools, nature centers, professional scientists and novices. Journey North provides an easy entry point to citizen science, with simple protocols, strong online support, and immediate results. Reported sightings are mapped in real-time as waves of migrations move across the continent. People report sightings from the field, view maps, take pictures, and leave comments.

**The Nature Conservancy [TNC] has announced podcasts available on line, "Destination Nature".**

[https://www.nature.org/en-us/what-we-do/our-priorities/protect-water-and-land/land-and-water-stories/destination-nature/?src=e.gp.eg.x.pod.LC.loc\\_b&lu=4439630&autologin=true](https://www.nature.org/en-us/what-we-do/our-priorities/protect-water-and-land/land-and-water-stories/destination-nature/?src=e.gp.eg.x.pod.LC.loc_b&lu=4439630&autologin=true)

**Native Plant Conservation Campaign:**

<https://plantsocieties.cnps.org/index.php> feature native plant societies all over USA.

**Milwaukee Journal-Sentinel Micro prairies: No yard is too small to go with earth-friendly native plants**

<https://www.jsonline.com/story/life/home-garden/garden/2018/05/25/turn-your-yard-into-micro-prairie-native-plants/607727002/?fbclid=IwAR1LHvKmDDGYfbxuD0LcUp2hl0JftDydAtGEe7OFliWlhgK3Y-1BKCgQHK0>

Refer to past editions of our newsletter for other important resource links.

**Hawthorn website** [www.columbianativeplants.org](http://www.columbianativeplants.org)  
**MONPS website** [www.monativeplantsociety.org](http://www.monativeplantsociety.org)



## Karen: Eliminating Suburban Sterility

This is a photo essay. Aren't pictures worth 1000 words?



The pear tree had to go!



## The Audacious Effort to Reforest the Planet

By Ben Guarino. *The Washington Post*. Jan. 22, 2020.

At age 9, Felix Finkbeiner planted his first tree. He had just learned about Wangari Maathai, a Kenyan woman who won the Nobel Peace Prize for leading an effort to plant 30 million trees in Africa. The boy was struck by her message — that trees are powerful allies in the fight to curb global warming.

<https://www.washingtonpost.com/graphics/2020/climate-solutions/trillion-tree-reforestation-climate-change-philippines/>

And so did some of the lawn! [Left - last year. Right – new for this year.]



The first year bumble bees found the *Solidago speciosa* in the new garden.



## Joanna's April Walk at 100AW



Photos: hoary puccoon (*Lithospermum canescens*), violet woodsorrel (*Oxalis violacea*), bird's foot violet (*Viola pedata*), rattlesnake master (*Eryngium yuccifolium*), hepatica (*Hepatica* sp.), and largeflower bellwort (*Uvularia grandiflora*). [I think it is sharp-lobed hepatica, *Hepatica acutiloba*?]

## From Center for Biological Diversity Newsletter

[bioactivist@biologicaldiversity.org](mailto:bioactivist@biologicaldiversity.org)



The Earth Day edition of our Saving Life on Earth webinar series included a great discussion about a bold plan to save 30% of land and ocean by 2030 and half by 2050. Thanks to all who joined us. If you missed the conversation, you can [watch it online](#)

[Take a moment to urge your representatives to support the Thirty by Thirty Resolution to Save Nature](#), which sets a national goal of conserving at least 30% of land and 30% of the ocean in the United States by 2030.

Our next Saving Life on Earth discussion will be Thursday, April 30, about our fight to save grizzly bears and wolverines. [Sign up now.](#)

Sorry it is too late for the in-time discussion. I think you can find a recording on the CBD website.



We are all sorry we could not organize a large group visit to this place developed by our beloved friend, Jim Whitley. It is now known as the One Hundred Acre Woods or 100AW shorthand. After many years of litigation, his vision is now maintained by Green Belt Land Trust. Hawthorn is allowed to explore this land [if people check before a visit](#) with John George [john.george@mdc.mo.gov](mailto:john.george@mdc.mo.gov) or Mike Powell, Greenbelt Land Trust of Mid-Missouri [mpowell@greenbeltmissouri.org](mailto:mpowell@greenbeltmissouri.org)

Eric and I took a mid-April walk at Hundred Acre Woods with permission from Greenbelt Land Trust of Mid-Missouri. The topography provides a diversity of habitats, from south-facing bluff tops to a deep north-facing ravine, with vegetation that ranges from mature forest to managed prairie. There are correspondingly diverse plants, including many that I tend to associate with the deeper Ozarks (such as walking fern, red columbine, hepatica, and bird's foot violet). The woodland daffodil patch, featuring a multitude of varieties planted by Jim Whitely, was also an absolute delight. The joy of exploration and discovery let us escape, for a time, the worries and stresses of current events.

These photos (and more) are posted on iNaturalist:

[https://www.inaturalist.org/observations?nelat=39.15032762075957&nelng=-92.28983473118288&place\\_id=any&swlat=39.14117488491488&swlng=-92.32554029758913&verifiable=any](https://www.inaturalist.org/observations?nelat=39.15032762075957&nelng=-92.28983473118288&place_id=any&swlat=39.14117488491488&swlng=-92.32554029758913&verifiable=any)

## Wild & Working On It: Bobkitten Practices Jumping

A remote camera in Washington state has captured footage of a mother bobcat teaching her kitten to jump. The mother leaps to a branch off-screen and the kitten follows suit ... sort of. Check out the super-slo-mo replay of the young cat's valiant effort on [Facebook](#) and [YouTube](#).



# Topics for This Years' Petal Pusher

the state MONPS newsletter

If we have members who are experts on any of these topics, Michelle Pruitt is willing to do an amateur proofread for you if that would be helpful. The submission deadline for the March/April issue is February 20. **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) .**

July/Aug Plants as insect hosts  
Sept/Oct Focus on the (Plant) Family - (Fagaceae/Quercus)  
Malissa Briggler, others? You pick one and do the research.  
Nov/Dec What's in a name? Common vs. Scientific  
2021 Jan/Feb Ecoregions of Missouri

## 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 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 instant delivery. It saves natural resources, pollution, and MONPS and your money.**