

Newsletter

Volume 39, Number 1

Hawthorn Chapter Officers:

President

Elena Vega

573-999-6123

elenavega@aol.com

Vice President

Nadia Navarrete-Tindall

nativeplantsandmore@gmail.com

Secretary

Emily Beckett

314-346-1537

emily@emilybeckett.com

Treasurer and Membership

Jayne Young

803 Park deVille Place

Columbia MO 65203

youngjayne70@gmail.com

Chapter Representative

Cindy Squire

cysquire@me.com

The Hawthorn Chapter of the Missouri Native Plant Society Newsletter is published monthly. We would like to read about announcements, impressions, species accounts, photos, poems, links to scientific articles or other creative nature writing **from you, too**. Send submissions before the 26th of every month to:

Communications Editor

Becky Erickson

573-657-2314

beckyerick711@gmail.com

PO BOX 496

Ashland, MO 65010

This is the 38th year Hawthorn has supplied a newsletter to chapter members. All newsletters since 2008 are archived on our website.

Web Master

Doug Miller

the.douglas.miller@gmail.com

Web site:

<http://columbianativeplants.org>

January 2024

Future Activities Calendar

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

And social lunches are third Thursdays 11:30.

[Any underlined/blue words, titles, phrases are links to more info on line.]

Monday 8 January 6:30. This meeting is important because we must make an outline to plan for this year. This is your chance to give input for any kind of activity you want, any subject you want to learn, any location you want to mosey. Zoom opens at 6 for socializing: [Join Zoom Meeting](#)

Thurs 18 January 11:30 am Lunch: take a winter break to be with friends for an hour! [First Watch Restaurant](#) at Stadium and Worley with plenty of free parking on the NW side of Columbia. We use a private room away from the main dining room. Click on that link to see the location on a map. This is an opportunity to get to know us, share nature stories, swap seeds, and bring pots back to Becky for the nursery.

Monday 13 February. [Join Zoom Meeting](#) about 6 for socializing. Nadia offers a program: Native Landscapes Through the Seasons has been postponed to the February meeting. This is a great chance for you to contribute to a chapter program without being in front of the group. Nadia would like to receive your Best photos to choose from to illustrate the beauty of the browner months of the year. Snap a frame that makes you feel 'awe'! If you have any pair of summer and winter shots of the same spot = so much the better. Please – **Be In Focus** - size them between 700kb and 2MB; Nadia can fix exposure. Send to Navarrete-TindallN@lincolnu.edu

Thurs 18 February 11:30 am Lunch: take a winter break to be with friends for an hour! [First Watch Restaurant](#) at Stadium and Worley with plenty of free parking on the NW side of Columbia. We use a private room away from the main dining room. Click on that link to see the location on a map. This is an opportunity to get to know us, share nature stories, swap seeds, and bring pots back to Becky for the nursery.

ANNOUNCEMENTS

We want to announce our deepest gratitude to Louise for her many years of dedicated service keeping all the books and printed materials offered at our booth organized and up to date. Carol-Leigh has offered to take this job. She is very active with Weavers Guild and River Relief, **so would like an assistant to help only a few days per year.**

Call her for details: 573-874-2233.

Thanks to Diane Privitt for her term as chapter Treasurer/membership; for getting the job done in spite of illness. We welcome Jayne Young to take over Diane's duties and hope she enjoys the full slate of spring activities.

Thank you to Elena, Becky, Peter, Cindy, and Paula for submissions for this newsletter.

Photo of Lea teaching courtesy of Cheryl-Ann

There would not be so much good information and history if it were not for you. We would love to post thoughts and ideas from YOU, yes YOU reading this, too.

Membership Renewals

The MONPS state webmaster, Jerry Barnabee, has built a system to remind you thru a personal email that the time has come to renew your membership dues. Please-Please pay attention to this notice which will come to you near the anniversary of the date you joined. So if you joined, as an example in October or May, that is the time you will get your reminder. Jerry provides a link to PayPal. I believe there is an option to pay for 1 to 5 years and at whatever donation level you deem appropriate. In truth: we welcome your renewal any time you remember.

MPF Webinars

One of the best MPF webinars was 22 Nov. It was a fabulous discussion on **management of woodlands and glades including use of fire**. If you would like to revisit any parts of this webinar, or were unable to attend live, the entire recording is available on our YouTube channel, [view here](#). Our free webinars are posted publicly on [our YouTube channel here](#).

If there is anything different you want to participate in, please give us ideas for new activities.

Greenbelt Land Trust Partnership

Reported by Becky

This fall Hawthorn voted to partner with Green Belt Land Trust for \$300 per year. Our benefits from this expense is our logo posted on the GBLT home page and other publications.

I attended the GBLT Annual Dinner and Report. GBLT, now 30 years old, was certified last year on the national land trust registry. It has consolidated its goals and parameters since its inception to now steward ten conservation easements and own four parcels including 1150 acres in Boone Co, and another 1143 acres distributed among Henry, Crawford, Maries, and Cooper counties. Some are large wild areas, some suburban sanctuaries which take volunteer efforts to clear invasive plants. Some are organic lands for sustainable food production through a retail organic food outlet, Root Cellar, and Como Cooks - a rental kitchen on The Loop. They received \$22,000 in donations last year.

Challenge MONPS

During the MONPS state board planning meeting held 2 Dec by Zoom, the challenge grant with Hawthorn chapter was discussed, voted, and passed to continue matching grants of \$500 each to Missouri Prairie Foundation, a nationally certified land trust closely affiliated with Grow Native.

Our benefit for this expense is 1) to assist goals of purchase, protection, and maintenance of Missouri Prairies. 2) Our logo is posted as a sponsor on the MPF/GN website homepage or where they sponsor a program or activity. 3) Because we are 'a member', You are a member, and may enjoy all the benefits of individual membership if you choose. We encourage you sign up with MPF/GN to receive newsletters about their educational offerings.

MPF/GN Webinars

Be sure to check on the MPF/GN site [under Activities](#) for webinars before **alternate Wednesday afternoons at 4pm**. [Next MPF/GN webinars 4pm The MPF/GN newsletter will remind you of these events: Sign Up!](#)

--Adopt a [Regal Fritillary Butterfly](#) or a [Brown-Belted Bumble Bee](#) and help protect prairie. Even if you cannot attend at 4pm on Wednesdays, if you register, you will be sent the link to review the webinar when you have time - with additional resources. Our free webinars are posted publicly on [our YouTube channel here](#).

The next webinars and activities offered are:

- Jan 3 - [MPF Native Grassland & Woodland Management Training](#)
- Feb 8 - [Short-Eared Owl Hike at Shawnee Trail Conservation Area](#)

This is only one of the accomplishments MPF/GN has done to earn their donations:

Missouri Legislation Filed to Halt the Sale of Five Invasive Plants

Web link

Jefferson City, MO (Dec 5, 2023)—Locally and globally, invasive plants and animals are the second leading cause of native biodiversity decline and also threaten the economic stability of the forest product, livestock, and outdoor industries. In addition, Bradford pear, sercia lespedeza, and other non-native, invasive plants are costly and time-consuming for Missouri landowners and suburban and urban homeowners to control.

Of the state's 142 invasive plants, as assessed by the Missouri Invasive Plant Council (MoIP), many continue to be sold in Missouri, contributing to their future, unintended spread across the landscape.

On Dec 1, 2023, Representative Bruce Sassmann (District 061), took action to help protect the state from invasive plants by filing [HB 1555](#) to halt the sale and intentional distribution of five invasive plant species: burning bush (*Euonymus alatus*), Callery pear (*Pyrus calleryana* and its cultivars, including Bradford and Chanticleer), climbing euonymus (*Euonymus fortunei*; also commonly known as wintercreeper); Japanese honeysuckle (*Lonicera japonica*), and sercia lespedeza (*Lespedeza cuneata*).

Excerpt from the June PP The organization of MissouriPlants.com

is designed to accommodate users ranging from neophytes to experts. For the latter, there is a full listing of species links according to scientific name, and also a listing organized by family. For the beginner, there are pages organized by flower color and leaf arrangement, similar to the organizational concept of most wildflower books. These links will quickly transport the user to the relevant species page. All species pages maintain a navigational pane at the left to facilitate movement within the site. It is truly So Simple!

Very Bad Critter: Oriental Mantis



As leaves fall off sticks, look for blobs of tan foam about the size of a golf ball. These are oriental mantis egg cases. Adults are bigger than hummers; they eat ALL insects and small birds. PLEASE! Gather these for destruction: put all into a jar for at least a year so when they hatch they will die. Or pour something volatile on them and burn them. Do not ever throw them whole into a landfill.

STOP Planting Trees. WHAT?!

This picture story gives the bottom line facts about which kind of landscape conversion is more of a solution to carbon offset than others.

This fact was proven nearly 30 years ago: **native grasslands are a better carbon sink than forests.**

Carol [CEO of MPF/GN] was excited to have this concise information all in one paper.

LEARNING AND SHARING THROUGH VOLUNTEERING

Offered by Lea



Volunteering to help at one of the many native plantings around the Columbia area in parks, trails, and in local schoolyards can be a service to the community, but it can also be a great way to learn more about native plants, as well as about invasive species which are becoming a significant threat to our ecosystems. From pollinator gardens and rain gardens to prairie, woodland, and trail-side areas, there are many different types of local plantings, and they all require some maintenance in order to thrive and remain useful for wildlife and as places of learning.

Lea helps coordinate volunteer opportunities in these areas, by collecting and sending out a bi-weekly (or so) email listing of upcoming coordinated gardening efforts. Lea organizes many of them; some are posted by others. At schools, we sometimes work with students, doing "Service-Learning". Other times we work without students. We help maintain habitats and gardens so that students can come in to plant, or explore the wildlife that is there.

Many Native Plant Society members attend these work parties. By working alongside other native plant enthusiasts, you can learn by doing, and you can ask questions or share what you know with others. What's that plant? What conditions does it thrive in? When should it be planted? What's the problem with invasive species and what can we do about them? Etc.

If you have questions, or would like to join in these activities contact Lea to get on her email list. Leaslist@gmail.com or text or call 573-864-7647.

Let's Support Our State MONPS

Submitted by Cindy, our chapter representative

Thanksgiving is a time to reflect on what we are grateful for. I am grateful for the people of State MONPS and what they volunteer to do for us:

MONPS publishes a journal - *Missouriensis*
MONPS sends you a bimonthly state newsletter - *The Petal Pusher*
MONPS provides student grants - *The Hudson Research Grants*
MONPS plans and invites the members to 3 field trips a year with guest speakers
MONPS maintains a website - Monativeplants.org
MONPS maintains a Facebook page answering 1000's of questions a year (44,000 followers)
MONPS gives awards to many in the plant community both volunteers and researchers
MONPS gives to Grow Native, Missouri Prairie Foundation, and Missouri Botanical Symposium
MONPS helps maintain a native plant database missouriplants.com
MONPS hosts an iNaturalist competition with prizes.
MONPS has a marketplace for clothing, hats, bags on Monativeplants.org

All of this is accomplished with 430 state members. 112 are lifetime members. Only \$10 of these memberships goes to the state. This is a tiny budget! **I think we should all help to further this good cause!!!**

Support Native Plant Research and Botany education by giving to the Hudson Fund.

I was a struggling student in the 1980's. I got a \$50 scholarship which I put on my resume. It helped with rent (in the 1980's), and it helped me get a job. A small to large donation can help another aspiring student reach success. Help students with a Hudson Fund donation.

Support the state educational mission by giving extra to MONPS above your dues.

Personal Service from Xerces

I wanted to let you know about an exciting new benefit available to you, to say thank you for helping us protect invertebrates. As a Xerces donor, you can now [request a call](#) from a Xerces Ambassador. Ambassadors are expert volunteer conservationists who volunteer with Xerces to share their knowledge and support Xerces members.

Whether you want to talk about creating habitat in your yard, bumble bee ID, or brainstorming ways to engage your community further, requesting a call from a Xerces Ambassador is a complimentary service we hope you'll enjoy. Consider it your personal invertebrate hotline.

You can [request a call here](#) and an Ambassador will call you at a time that works for you.

Please feel free to reach out with any questions.

Best,
Melissa Manuel, Engagement Specialist 503-468-6602 (she/hers)



[Protecting Pollinators](#) [Conserving Endangered Species](#) [Reducing Pesticide Use & Impacts](#)

Paula found a new Wildflower ID site!

People who need color photos will like this one. [I prefer line drawings because they show better details of

There are so many benefits that you are receiving, let's help pay for them. The budget is so tight, dues are so low. Show that you appreciate this worthy cause as much as I do!!

Giving is easy!

Make a donation on the website, buy a State clothing item or send in an extra check to:

Missouri Native Plant Society

PO Box 440353

St Louis MO 63144-4353

I will personally be sending an extra check and hoping you will also. I am grateful to each of you for your donations!

MPF A Partner in "America the Beautiful" Grant



Photo is Secretary Deb Haaland with MPF Vice President of Science & Management Bruce Schuette. Photo by Amanda Kules.

On November 17, MPF Vice President of Science & Management Bruce Schuette was part of a team of conservationists from Missouri and Iowa who met with [U.S. Department of the Interior Secretary Deb Haaland](#) in Des Moines, Iowa. During the meeting, Secretary Haaland announced the recipients of several [America the Beautiful](#) grant awards, including one to the Missouri Department of Conservation (MDC) to protect, steward, and restore prairie remnants, and expand and connect native grasslands in Iowa and Missouri.

Partners in the \$4,730,000, multi-year grant

award to MDC include the Iowa Department of Natural Resources, The Nature Conservancy, Quail Forever/Pheasants Forever, **MPF**, and Drake University/Jay N. Darling Institute for Rural Sustainability. The partners will focus on conserving, restoring, and reconnecting native grasslands in Missouri and Iowa through collaborative habitat management such as prescribed fire, invasive species control, and grazing. The majority of the grant award will go to MDC, The Nature Conservancy, and Quail Forever/Pheasants Forever to fund "strike teams" to control invasive plants, conduct prescribed burns, and create prairie plantings. **MPF will direct its portion of grant funds toward woodland and grassland stewardship training and acquiring and holding conservation easements on prairie remnants owned by private individuals.**

"The Missouri/Iowa partnership is extremely grateful for this grant award," said Nate Muenks, Natural Resource Planning Section Chief for MDC who coordinated and wrote the grant proposal. "Funding this collaborative project is an excellent and appreciated step in recognition of the need for additional resource investment, leading to conservation and restoration actions that improve the health of native grasslands."

We hope you will enjoy our upcoming events and other news below:

[-Missouri Rep. Sassmann Files Invasive Plant Legislation](#)

[-Save the Date: 2024 Grow Native! Southwest Illinois \(SWIL\) Workshop February 23, 2024](#)

[-Native Plant Crafting with Nadia Navarrete-Tindall](#)

[-Noppadol Paothong Photography Fundraiser](#) for MPF through December 31

What's on the Menu When Your Cat Goes Out? Probably More Than You Think.

Free-ranging cats hunt or scavenge more than 2,000 species, some of them imperiled, according to a new study. Note that even Monarch Butterflies are one of the items cats hunt and kill. And I know a native plant friend that has watched cats kill insects and butterflies.

Peter Schauer [a MONPS member] offers this [New York Times article](#) originally published 12 Dec 23; selection from article:

field characters.] Hope this helps you learn different species and their preferred habitats. With So Many species to cover – it will forever be a work in progress. It seems a good chart on asters and goldenrods is almost complete.

Use this to compliment MissouriPlants.com [In bulletin board on P3]

Fireflies are vanishing but you can help protect them

Excellent article in NatGeo Newsletter By Amy McKeever Published 1 June 2023

Retrieved 29 July 2023:

Experts offer tips on how to make a home for the beloved bioluminescent insects in your own backyard—from creating a microhabitat to keeping your lights off.

[From editor:] Maybe 8 years ago my woods lit up like a wonderland light show for almost a week. I never remember this display before or since in 70 years. Wish I knew the recipe – maybe the rain cycle and perfect temperature.

Paula wants to share this good [information on identification of](#)

[ticks](#), which ticks carry which diseases, and how to tell how long a tick has been attached by the size of the tick. All important information for the doctor to know if you are sick.

Everyone can agree on one thing: It's not the cats' fault they're bad for wildlife. Cats are carnivores. Their talent for preying on rodents is a big reason their ancestors and ours started hanging around together in the first place. But then, people carried cats around the world, into ecosystems that weren't equipped for such predators. They have caused extinctions on islands.

Wherever they are, they stalk. They pounce. They kill.

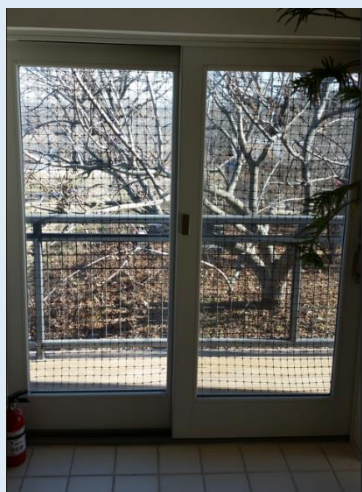
They don't always eat.

Now, researchers have documented the breadth of cats' global buffet. A [study published on 12 Dec in the journal Nature Communications](#) found that free-ranging domestic cats (including feral ones) eat more than 2,000 species, raising renewed concerns about the ecological fallout.

Almost half of the species were birds, followed by reptiles and mammals. An unexpected number of insects were found, including monarch butterflies, pink-spotted hawk moths and emperor dragonflies.

Abstract: verbatim

Free-ranging cats (*Felis catus*) are globally distributed invasive carnivores that markedly impact biodiversity. Here, to evaluate the potential threat of cats, we develop a comprehensive global assessment of species consumed by cats. We identify 2,084 species eaten by cats, of which 347 (16.65%) are of conservation concern. Islands contain threefold more species of conservation concern eaten by cats than continents do. Birds, reptiles, and mammals constitute ~90% of species consumed, with insects and amphibians being less frequent. Approximately 9% of known birds, 6% of known mammals, and 4% of known reptile species are identified in cat diets. 97% of species consumed are <5 kg in adult body mass, though much larger species are also eaten. The species accumulation curves are not asymptotic, indicating that our estimates are conservative. Our results demonstrate that cats are extreme generalist predators, which is critical for understanding their impact on ecological systems and developing management solutions.



Wonder how many of the Native Plant people have cats that they let run or feed cats outside – and wonder if they know that insects including Monarchs are great fun and play-food for cats? That rodents and lizards they kill are food for birds?

< < < Peter has added: We have 8' polypropylene Deer Fence on all our large glass to protect against bird strikes. It is UV resistant, so will not get sun rot for many years. It is easy to hang on hooks and after a few minutes humans hardly know it is there - but the birds do and that is what is important.

Bumble Bee Atlas: A Nationwide Buzz

The Bumble Bee Atlas project creates nationwide buzz in quest to protect and promote habitat for native pollinators. Hawthorn has two members who have collected data for this effort.

May 2, 2023 By Jan Peterson, for the U.S. Fish and Wildlife Service's Pacific

Over the last five years, the [Bumble Bee Atlas](#) project has grown from an idea on how to get volunteers involved in collecting data on native bumblebees in the Pacific Northwest to a nationwide quest to learn as much as we can about these vital pollinators.

The atlas is a terrific example of how partnerships between government, nongovernmental organizations, private landowners and volunteers have contributed to preventing the extinction of so many animals and plants over the course of the Endangered Species Act's first 50 years.

Rich Hatfield, who has studied bees all his adult life, says the idea for the atlas was born about 10 years ago when he began working at the nonprofit [Xerces Society for Invertebrate Conservation](#), in Portland, Oregon. He realized a pile of data on bumblebees he'd been handed to assess the extinction risk of North America's bumblebees forced him to make inferences that made him uncomfortable. Hatfield, now senior conservation biologist for the nonprofit's endangered species program, remembers thinking, "How could we do a better job gathering data for the purposes of conservation decision making?"

The clock is ticking.

While programs like the atlas projects provide us with the data we need to manage our public lands, everyone can start at home by creating pollinator friendly landscapes.

Nature really is good medicine.

Science can explain why.

By Stacey Colino.

Photographs By Lucas

Foglia. Pub July 6, 2023.

Retrieved from NatGeo

Newsletter 28 October 2023

Reduced blood pressure and improved cognition and mental health are just a few of the documented benefits of spending time in “green” and “blue” spaces.

Written in the Wood

By [Sarah Kaplan](#), [Bonnie Jo Mount](#), [Emily Wright](#) And [Frank Hulley-Jones](#)

Washington Post 20Dec2023 at 6:00 a.m.

Deep in the Sonoran Desert, high on a mountain’s wind-swept peak, a sky-island, there lives a ponderosa pine tree known as Bigelow 224.

With its stout orange trunk and long, graceful needles, the tree looks like any other ponderosa pine growing on Mount Bigelow. But a sliver of its wood, taken amid [Earth’s warmest year on record](#), shows that this tree has a story to tell — and a warning to offer.

[from ed: this person has designed a way to read rings, not just to count years, but to read the weather in that year! Fascinating! With several photos and short videos showing process.]

Letter from the Editor to You The Reader:

If you actually read what is posted here, please tell me what you like or don’t like.

If you scan it, but find nothing that interests you, please tell me what you DO want to read.

If you enjoy reading articles from other members, maybe they would like to read yours.

I am asking for input because I get questions or comments from in-person conversations where it is appropriate for me to respond: “There was an article about that in the newsletter [X] months ago.”

Which means I am missing a way to get solid educational information to our members. Any suggestions can be helpful. Thank you for your consideration.

Becky

Your submission or offering could be here!

Topics for This Years' Petal Pusher

the state MONPS newsletter

Petal Pusher Topics for 2024

Due date	Pub Date	Theme	Contributors
----------	----------	-------	--------------

TBA in next newsletter

Send submissions attached in Word format.
Send photos attached separately in jpg format.

To: Pam Barnabee pamela.barnabee@gmail.com

You don't need to be an expert, but if you have good repeatable experience as a naturalist on any of these subjects, you are welcome to offer your knowledge to the rest of us.

If we have members who are curious about any of these topics, Michelle Pruitt [michelle.pruitt@gmail.com] is willing to do an amateur proofread for you if that would be helpful. Send to her early!

ALWAYS - 20th of even numbered months. If you don't understand subjects, parameters, or submission format, contact Michelle Bowe, PP editor MBowe@MissouriState.edu.

- Potential Emerging Invaders. **Have you seen a new plant invader?** Someone from MoIP as contributor; Malissa Briggler volunteered. Any one of us could study invasive plants; MPF Journal featured invasives during 2020. Just search 'invasive plants' and pick one to report on.

- Favorite Natural Areas. Suggested to also have chapters solicit articles from their members. This means YOU can write about your favorite Natural Area

- Better Know a Genus. **These are species accounts.** You observe/research a species or genus and describe the whole life cycle including preferred habitat and vectors/predators.

Regular Recurring Columns:

Conundrum Corner Contributors needed!

Invasive Tip of the Month Tips to identify and eradicate invasives, with a different species in each issue. Contributors needed!

Other Recurring Columns: **Casey's Kitchen** Casey Burks

Name Change of the Month Justin Thomas. Other volunteers welcome.

Poetry Corner or Quotation Corner Send suggestions for poems or quotes for inclusion. Note that for poems, we must have permission from the publisher.

Where are we going Features we will see on the next field trip. Malissa Briggler?

And here's where you can become newsletter famous by submitting your questions: <https://monativeplants.org/ask-a-question>

Ask a question Questions from website, answered. Facilitated by Jerry Barnabee.

Please Step Forward For Service

Please contact one of the officers to volunteer a little time to a very good environmental and educational service. We need people to serve as officers, to grow plants for fundraising, to man our information booth at events such as Earth Day and Bradford Plant Sale, and to care for native gardens in public places.

MEMBERSHIP FORM

Missouri Native Plant Society
Hawthorn Chapter

How were you attracted to join MONPS?

Membership runs from the date you join. You must be a member of the State Missouri Native Plant Society (MONPS) in order to join a chapter. You may send state and chapter dues to our membership chair [presently vacant], or sign up on the MONPS site and pay by Paypal.

Please check membership category you desire:

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

*These amounts include both state and chapter dues

____ Student \$10.00*

____ Goldenrod \$15.00*

____ Sunflower \$30.00*

____ Blue Bell \$55.00*

____ Blazing Star \$105.00*

____ Surcharge for paper state Petal Pusher by mail (+\$10.00)

____ Chapter only \$5.00 – this option is for members who already belong to State and another chapter

____ Amount Paid

Make checks payable to:

Missouri Native Plant Society

Mail payment and this form to:

Jayne Young

803 Park deVillle Place

Columbia MO 65203

Name: _____

Address: _____

Telephone: _____

Home _____

Cell _____

E-mail: _____

Chapter newsletters and messages will be sent by email