



Illinois Native Plant Society — Southern Chapter

# The Shooting Star

## February 2018

# Newsletter

*“Dedicated to the study, appreciation, and conservation of the native flora and natural communities in Illinois.”*

### Inside this issue:

<i>President's Message</i>	2
<i>Feature Plant of the Month</i>	2
<i>Events Calendar</i>	3
<i>Summary of Past Events</i>	4
<i>Local Events</i>	5
<i>Twig Identification Workshop</i>	6
<i>Emerald Ash Borer Management</i>	7
<i>Invasive Species Corner</i>	8
<i>Contact Us</i>	9

## *Cadaver Botany Hike & Potluck*

*Sunday, February 11<sup>th</sup>, 12:00—4:00 p.m.*  
*Midland Hills Country Club*  
*\*INPS members only\**

Join INPS for a winter botany walk and potluck! Meet at noon at Midland Hills Country Club in Makanda (home of Chris Benda) for a potluck lunch afterwards. We will walk around the grounds and look at a variety of species of plants in their dormant state, but focusing on winter characteristics as well. Wear

layers and bring a dish to share!

This event is limited to current INPS members. Please RSVP to Chris Benda at [botanizer@gmail.com](mailto:botanizer@gmail.com) for address and directions.



Bitternut  
Hickory,  
*Carya  
cordiformis*

Photo courtesy,  
Ohio Plants



Black Walnut,  
*Juglans nigra*

Photo courtesy,  
Ohio Plants



If you are receiving a black and white newsletter by postal mail, please help lower our costs by signing up for an electronic copy in color. Send your email address to [southernillinoisplants@gmail.com](mailto:southernillinoisplants@gmail.com) to be added to our email distribution list. Also please “like” our page on facebook at [www.facebook.com/southernillinoisplants](http://www.facebook.com/southernillinoisplants).



## Message from the Southern Chapter President

This winter we have seen cold weather seldom experienced in this part of the state. At least in the last 20 years, sustained cold weather has not been common. But this year while unfortunately I had the water pipes at my home freeze, I was also able to ice skate on the lake where I live and visit several frozen waterfalls throughout the region. One person I met at Bork's Falls near Goreville told me that in the last 30 years he lived nearby, he had only seen the waterfall freeze top to bottom 3 times.

One of the things I have been doing this year is collecting twigs of our native trees and other woody flora. I've been able to find a surprising number of species in the woods around my home and with an additional trip to the Chicago region recently, my collection has grown to over 100 species. This is one reason we are offering a cadaver botany hike at my home in Makanda, there is a lot to see here for people who are interested in our native flora. This Sunday, my wife Susan and I will host a potluck lunch and hike afterwards on the property at Midland Hills. Please RSVP to [botanizer@gmail.com](mailto:botanizer@gmail.com) if you plan on coming.

Next month we host Dr. Jen Weber, Assistant Professor in the Department of Biology at Southeast Missouri State University. Dr. Weber will be speaking about her field work to study *Triodanis perfoliata* and her recent data-basing of herbarium records to quantify how phenology is changing through time. This is the March program and it will be at the Carbondale Township Hall at 6:30PM. As always, if you are interested in joining us for dinner with our speaker, please meet us in the parking lot of the township hall at 5:00PM.



Photo courtesy,  
Chris Benda

### SAVE THE DATE

#### Illinois Indigenous Plants Symposium

April 13-15, 2018

John A. Logan College  
Carterville, IL

Our annual Indigenous Plants Symposium is coming up as well on April 13-15. Distinguished botanist and author of the recently published *Flora of the Chicago Region* Dr. Gerould Wilhelm will keynote the symposium. Many other outstanding speakers will be presenting including Paul Marcum, INPS state president and Illinois Natural History Survey Botanist. Registration is available at

<https://ill-inps.org/2018-illinois-indigenous-plants-symposium/>.

The membership of the Southern Chapter is also growing and I would like to welcome new members to the organization. I hope to see you at one of our events in 2018! ~Christopher David Benda

## Feature Plant of the Month

### Rusty Blackhaw, *Viburnum rufidulum*

Prepare for Chris Benda's twig identification workshop with this species! Commonly called southern blackhaw, bluehaw, or rusty nannyberry, it is an irregularly branched shrub or tree up to 18 feet tall. Twigs are brown with a thin light gray coating. It occurs in rocky or dry woods and glades to rich, moist valleys and alluvial ground along streams. Rusty blackhaw (*rufidulum*) is differentiated from *Viburnum prunifolium* by its glossy green leaves and rusty brown hairs. Several bird species are attracted to the fruit, notable for landscaping.

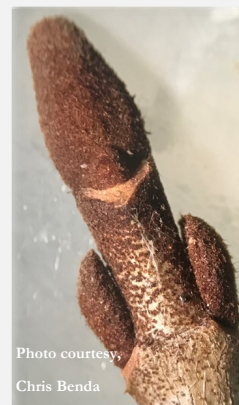


Photo courtesy,  
Chris Benda



Photo courtesy, Jeffery Phippen

2018



## Southern Chapter

P.O. Box 271, Carbondale IL 62901

southernillinoisplants@gmail.com

www.facebook.com/southernillinoisplants

### Calendar of Events

Feb. 11	Chris Benda	Cadaver Botany and Potluck	Midland Hills
Mar. 20	Dr. Jen Weber	Tracing the Phenology and Breeding System of Venus Looking Through Space and Time	CTH
Apr. 13-15	Various (keynote Dr. Gerould Wilhelm)	Indigenous Plant Symposium	John A. Logan
May TBD	Chris Benda	Pleasant Valley Hill Prairies EA	Eddyville
June 2-3	Justin Thomas	Sedge Workshop	SIU, field sites
June 8-10	Various	INPS Annual Gathering	Kankakee Chapter
July 17	John E. Schwegman	Milkweeds of Illinois and their Pollination System	CTH
Aug. 21	Chris Benda	Flora of the Coastal Plains of Illinois	CTH
Sept. 18	TBD	TBD	CTH
Oct. 16	Erin Medvecz	TBD	CTH
Nov. 20	TBD	TBD	CTH
Dec. TBD	INPS	Holiday Dinner and Award Ceremony	The Haven

CTH = Carbondale Township Hall, 217 E. Main St., Carbondale IL at 6:30 pm; TBD = To Be Determined  
For more information visit <http://www.ill-inps.org/index.php/southern-chapter>





## Summary of Past Events

### January Program, What Happened to Liliaceae? by Marisa Szubryt



In January, we hosted Marisa Szubryt to speak about the taxonomic changes in the Liliaceae, which is the lily family. Marisa is a graduate student at Southern Illinois University in the Plant Biology Department and a board member of the Southern Chapter of INPS. Although her research is focused on Euthamia and other taxonomic groups, she agreed to present this topic at the request of the board.

What is a lily? Many common names allude to lilies. Water lily (*Nymphaea*), the house plant peace lily (*Spathiphyllum*), day lilies (*Heimerocallis*), spider lily (*Hymenocallis*), and corn lily (*Veratrum*) are all plants named after lilies that are not true lilies. One thing these species share in common is the presence of six showy petal-like tepals.

True lilies in Illinois include bluebead lily (*Clintonia*), trout lilies (*Erythronium*), and lilies (*Lilium*). Tulips (*Tulipa*), native to the Mediterranean, are also true lilies. So what is a lily?

The concept of the lily family has changed drastically over time. Linnaeus first described the family and he based his classification system largely on reproductive characteristics. Lilies were described as plants that have flowers with 6 stamens and 3 carpels fused on a single pistil. Another major characteristic that binds the lily family of the past was the presence of a superior ovary. A superior ovary sits above the stamens and petals. Due to the lack of a group of characteristics that seemed to clearly define what makes a plant a lily, the family was once incredibly large. Systematists realized that the alternative was to split the family into many smaller families.

Plant species once included in the lily family because of the presence of six petal-like tepals now belong to other families like the Amaryllidaceae and the Juncaceae. In fact, these other families belong to different orders. The big reason the inevitable splitting of this large family occurred was due to molecular data. DNA is very comparable and it allows scientists to objectively compare the relatedness of similar looking species. Turns out some plants that look the same are not really that closely related at all!



Photo courtesy,  
Brewbooks



Photo courtesy,  
K. Chayka

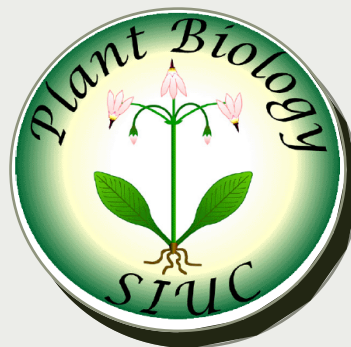


Photo  
courtesy,  
Illinois  
Wildflowers

## Local Events

### Native Shrubs for the Home Landscape

**Monday, February 26<sup>th</sup> at 7:00 p.m.**

216 East Monroe St., Carbondale, IL

Do you want to attract birds and butterflies to your yard? Have you spent hours removing invasive species and are wondering how to replace them? University of Illinois Forestry Technician, Kevin Rohling, will discuss shrubs native southern Illinois which will make an attractive addition to your property.

For more information, call Ruth Kelly at (618) 684-2196 or e-mail at [rth\\_kelley@yahoo.com](mailto:rth_kelley@yahoo.com).



### Delwood Project Tour, Glades and Upland Forest

**Saturday & Sunday, Feb. 24-25<sup>th</sup>**

Tour the Delwood project with forest ecologists to learn about the glades and upland forest communities in this 232-acre project. Share your vision for this place and connect with others who are interested in southern Illinois forests. The tour begins at 1:00 p.m. at Pleasant Ridge Church cemetery, which is located one mile west of Delwood (south of Harrisburg) along Burden Falls Road. Meet on the south side of the road. For more information, contact Headquarters at 618-253-7114.



### Missouri Department of Conservation, Southeast Regional Office, Cape Girardeau

#### Prescribed Fire Workshop

**Tuesday, February 13<sup>th</sup> 1—4:30 pm or 6—9:30 pm**

Prescribed fire is an ancient technique used to manage grassland, woodlands, and old fields for forage production, improvement of wildlife habitat, and reduce fuel for wildfire. Landowners can learn to use prescribed fire as a land management tool. Workshops will include classroom discussions on methods, equipment, safety, and why and when to use fire as a management tool. Those who attend will be invited to future demonstration burns. To register for this workshop, please call 573-290-5730.



#### Cape Girardeau Nature Center

#### Maple Sugaring

**Saturday, February 17<sup>th</sup> 1—4 pm**

Discover one of the forest's sweetest gifts. Maple sugaring is rich in history and still practiced today. Learn the history, equipment, and process of making maple syrup. Youth and adult groups welcome. No registration required.

#### Habitats: Milkweed-palooza

**Saturday, February 24<sup>th</sup> 1—3 pm**

Stop on by to learn about the importance of milkweed species. Milkweed is a host for a multitude of wildlife, most notably Monarch butterflies. Let's dive into the bug-eat-plant kind of world that milkweed is a part of.

**SAVE THE DATE**

**Native Plant Seminar**

**Saturday, March 10<sup>th</sup>**

**Darwin Week at Southern Illinois University: check out a schedule of events at**

<http://darwinweek.siu.edu/>

**SIU** Southern Illinois  
Carbondale University



## You don't know a tree until you see it naked! Tree Twig ID Workshop



*Viburnum rufidulum*

Two dates offered:

**Sunday, February 18<sup>th</sup>**

**Wednesday, February 21<sup>st</sup>**

Giant City State Park Visitor Center, Makanda, IL

10:00am to 4:00PM

\$50 for instruction, handouts, and lunch provided

For more information or to register,

Visit [www.illinoisbotanizer.com](http://www.illinoisbotanizer.com)

Identifying trees and shrubs in the winter when their leaves are gone can seem difficult, but all the parts necessary to know them are there if you know what to look at. Learn how to see trees naked (without leaves) by looking at bark, bud, and twig characteristics and you will be able to identify trees any time of the year on your own!

Instructor Chris Benda (aka, Illinois Botanizer) teaches the Flora of Southern Illinois at Southern Illinois University. Chris has over 10 years experience as a botanist in Illinois and is the past-president of the Illinois Native Plant Society. See full bio at [www.illinoisbotanizer.com](http://www.illinoisbotanizer.com).

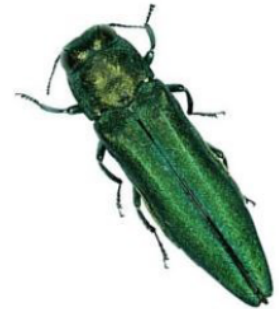





## EMERALD ASH BORER COMMUNITY MANAGEMENT MEETING

**EMERALD ASH BORER (EAB)** is a non-native invasive forest pest threat and it's heading towards YOUR community. Learn what you can do to protect, treat, and manage ash trees in your community.

Please join our community meeting in your area to learn more about the threat and impacts of EAB and how to design an effective management plan to help protect your ash trees. Urban and rural foresters, arborists, landowners, and community decision makers are invited to attend.



### Locations:

- ★ **February 21st:** Carbondale Civic Center, 200 South Illinois Avenue, **Carbondale** ★ 
- **February 22nd:** Metro East Parks and Recreation District, 104 United Drive, **Collinsville**
- **February 23<sup>rd</sup>:** Ballard Nature Center, 5253 US 40, **Altamont**
- **February 28<sup>th</sup>:** University Farm-Livestock Center, County Road 1100E, **Macomb**



Meeting schedule: 9:00 a.m. to 2:00 p.m., lunch and refreshments included.

\$10 registration, CEUs are available

Register [HERE](#): or call The Morton Arboretum at 630-719-2468.





## Invasive Species Corner

<http://www.rtrcwma.org>  
<http://www.facebook.com/rtrcwma>

*Please look at the following resources for the latest in Invasive Species news.*

**THURSDAY · 24 MAY 2018 · 9:30AM-4PM**



**SAVE the DATE**  
ILLINOIS INVASIVE SPECIES SYMPOSIUM



ILLINOIS INVASIVE SPECIES AWARENESS MONTH

**UNIVERSITY OF ILLINOIS EXTENSION · CHAMPAIGN, IL**

We are accepting abstract submissions for presentations at the 5th Annual Illinois Invasive Species Symposium. The Symposium is a joint effort between University of Illinois Extension, the Illinois Natural History Survey, and The Morton Arboretum. It provides an opportunity to learn about projects, research, and programs underway to address invasive species that are impacting Illinois' natural lands and native species.

Presentations should be on invasive species projects, research, or programs in Illinois. We are accepting submissions of presentations on all taxa of invasive species. Presentations will be 20-30 minutes in length.

Please e-mail abstract submissions to [cwevans@illinois.edu](mailto:cwevans@illinois.edu) by April 9, 2018. Authors will be notified by April 23

### Abstract Format

1. Title
2. Authors: Include author names and contact information. If there are multiple authors, please

place an asterisk (\*) after the name of the presenter(s)

3. Body of abstract: should be a single paragraph and provide a brief description of the presentation



Welcome new  
CWMA Coordinator,  
Nick Seaton! He can be  
contacted at  
[rtrcwma@gmail.com](mailto:rtrcwma@gmail.com)



### Southern Illinois Prescribed Burn Association, Annual Meeting

Monday, February 12<sup>th</sup>

5:00 p.m., Giant City Lodge (460 Giant City Lodge Rd., Makanda, IL)

Members, volunteers, friends and family;

Please join us for dinner and our annual meeting on February 12th at the Giant City Lodge in Giant City State Park, Makanda. Registration will be \$20 at the door either by cash or check payable to the Southern Illinois Prescribed Burn Association and includes the Lodge's famous chicken and fish buffet with sides, drinks, dessert, and gratuity. For planning purposes, please RSVP for this event by mailing \$20 to 945 State Highway 146 West, Golconda IL, 62938. Don't forget to put your 2018 membership dues in the envelope!





INPS SOUTHERN CHAPTER  
P.O. Box 271  
Carbondale, IL 62903-0271

[southernillinoisplants@gmail.com](mailto:southernillinoisplants@gmail.com)  
[www.ill-inps.org](http://www.ill-inps.org)



*Dodecatheon frenchii* –  
French's Shooting Star

### Board Members

President: Chris Benda  
VP: Chris Evans  
Secretary: Erin Medvecz  
Treasurer: Sonja Lallemand  
At-large: Nancy Garwood  
At-large: Jean Sellar  
At-large: Jody Shimp  
At-large: Marisa Szubryt  
Newsletter: Jennifer Behnken

Know someone who would like to receive our newsletter? Please have them send their email address to [southernillinoisplants@gmail.com](mailto:southernillinoisplants@gmail.com) to be added to our distribution list!



### Join us!

- ☐ New Member    ☐ Address Change only  
☐ Renewal    ☐ Additional Donation

Name _____		
Street _____		
City _____	State _____	Zip _____
Phone Number _____	Membership Year _____	
Email _____		

- #### Membership Categories
- ☐ Student.....\$15.00  
☐ Individual.....\$25.00  
☐ Family.....\$35.00  
☐ Institutional (nonvoting).....\$20.00  
☐ Supporting.....\$50.00  
☐ Patron.....\$100.00  
☐ Business.....\$125.00  
☐ Life.....\$500.00  
☐ *Iliamna* (life).....\$1,000.00  
☐ *Dodecatheon* (life).....\$2,000.00  
☐ *Erigenia* (life).....\$3,000.00

#### PLEASE MAKE CHECKS PAYABLE TO:

Illinois Native Plant Society, P.O. Box 271, Carbondale, IL 62903

The Harbinger Newsletter is sent electronically by email.

- ☐ Check here to receive the newsletter BY MAIL

**Erigenia**, our scientific journal, is now available digitally as well as in print.

Please indicate your preference for receiving the journal.

- ☐ Email only    ☐ Postal Mail only    ☐ Both

#### Chapter Affiliation

- |  |  |
|--|--|
| <input type="checkbox"/> Central (Springfield)       | <input type="checkbox"/> Northeast (Chicago)       |
| <input type="checkbox"/> Forest Glen (Westville)     | <input type="checkbox"/> Quad Cities (Rock Island) |
| <input type="checkbox"/> Grand Prairie (Bloomington) | <input type="checkbox"/> Southern (Carbondale)     |
| <input type="checkbox"/> Irene Cull (Peoria)         | <input type="checkbox"/> Other/Uncertain _____     |
| <input type="checkbox"/> Kankakee Torrent            |  |

#### I would like to help with:

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Leadership & Organization (serving on board at State or Chapter level) | <input type="checkbox"/> Giving Workshops &/or Seminars | <input type="checkbox"/> Public Media/Communications |
| <input type="checkbox"/> Leading Field Trips & Tours  | <input type="checkbox"/> Public Speaking                | <input type="checkbox"/> Writing/Submitting articles |
| <input type="checkbox"/> Organizing Workshops &/or Seminars                                     | <input type="checkbox"/> Fund Raising                   | <input type="checkbox"/> Photography                 |
|   | <input type="checkbox"/> Website Assistance/Managment   | <input type="checkbox"/> Other: _____                |