



The Fringe

Newsletter of the Native Orchid Preservation and Education Society
nativeorchidpreservationeducationsociety.com

June

Letter from the President

Hello everyone,

This spring and summer has been a busy one, trying to see orchids amongst the rain drops and flooding.

We started our spring with a very successful members meeting in May. We were able to see five orchid species in bloom and learned about *Spiranthes*. I want to thank everyone for bringing lots of good food, sharing your knowledge of orchids and taking the time out of your busy schedules to join us.

On June 1st we did not make it to Lawrence Woods, but we were invited to visit Brian and Donna Wise's property. Their property is every native orchid lovers' paradise. We saw two orchids *Liparis liliifolia*, Lilyleaf Twayblade and *Liparis loeselii*, Loesel's Wide Lipped Orchid, blooming and foliage of several others. After enjoying their property, we were off to Cedar Bog where the *Cypripedium reginae*, Showy Lady's Slipper, was blooming. The day was finished off by stopping for ice cream at Young's Dairy.

Unfortunately, our trip to Spangler nature preserve was canceled. The field was flooded and no plants were spotted along the road.

I hope to see everyone on July 21; we will be going to Slate Run Metro Park and Lake Hope. Mark your calendars! More information to come.

Teresa



Orchid Viewing Weekend Shawnee State Park, May 10-12, 2019

We had a very successful weekend at Shawnee State Park viewing many beautiful orchids from the surrounding region, enjoying great fellowship and



learning opportunities. We joined the Davis Memorial Orchid Hike on Saturday morning and later traveled to see *Cypripedium acaule*, the Pink Lady's Slipper, and *Cypripedium parviflorum* v. *pubescens*, the Large Yellow Lady's Slipper, around Shawnee; and then went to Kentucky to see *Cypripedium kentuckiense*, the Kentucky Lady's Slipper. We also saw *Galearis spectabilis*, Showy Orchid, and *Isotria verticillata*, the Large Whorled Pogonia, although they were not in great shape. In the evening we had a membership meeting (minutes below) and a PowerPoint presentation on *Spiranthes*.



Planned Hikes and Work Days

Orchids present on these dates are dependent on the seasonal weather variation. If you wish to attend, let Teresa know - huesmantj@aol.com.

June 30: Wahkeena Nature Preserve, Fairfield County

July 21: Slate Run Metropark and Lake Hope State Park, Fairfield and Vinton Counties, Ohio

August 3: Hazeldell Meadow, Pulaski County, KY

September 25: Work Day, Cranberry Bog

We will be doing preview hikes to see what is available throughout the year. If you would like to be put on an email list to be notified, please let Teresa know.

Other Activities

We are continuing our study of *Aplectrum hyemale* or Putty Root at Winton Woods. We found 14 plants that were in bloom.



Updates on Cranberry Bog

On Saturday, June 15th, Teresa Huesman, Ken Mettler, Ann Tsui, and Jeanne and Barry Rhinehart traveled to Cranberry Bog to view the areas that we cleared last November and to survey and count *Calopogon tuberosus*, Grass Pinks, and *Pogonia ophioglossoides*, Rose Pogonias. There was disappointment on the amount of new

growth from invasives in the region but the region that we had cut was showing sprouts, but few previously cut invasives were flowering or producing seeds as well as established invasives. There were only 8 Grass Pinks observed, mostly in bud along the boardwalk, and more than 50 Rose Pogonias in the region. We also saw a few carnivorous plants from the boardwalk.



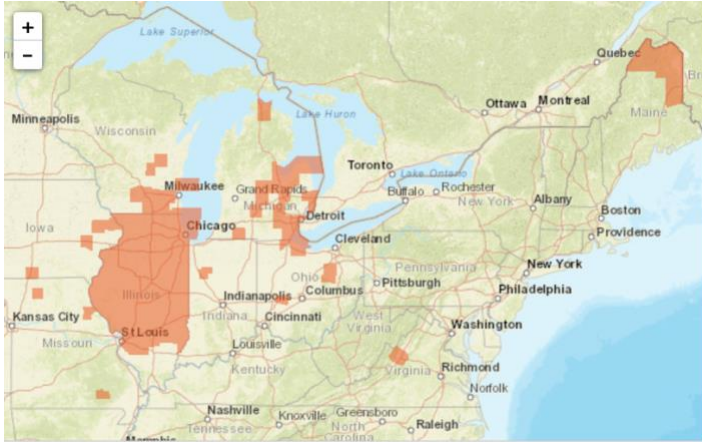
Ken and Teresa went to check the east meadow and found hundreds, if not a thousand, Rose Pogonias and many more blooming Grass Pinks. The invasives in the meadow were not as much of a problem as along the boardwalk. We hope to meet with Rick Gardner to plan our future work and to join ONAPA in their work on Wednesday, September 25. (pictures from Ken Mettler and Teresa Huesman)



Orchid of the Month – June

Platanthera leucophaea, Eastern Prairie Fringed Orchid

A federally threatened species that once covered much of the United States Midwest is now limited to a few locations as pictured in orange below:



1



It also occurs in Ontario, Canada (not shown). The orchid is thought to have widely ranged across the region prior to settlers arriving and removing the native habitat by clearing it for their farms.

The name *leucophaea* means “off-white” referencing the orchids color which ranges from a light greenish white to creamy white color. It blooms from late June to late July.

The plant is “glabrous throughout, 45-55 cm tall. Roots fleshy, thickened, especially near their base. Leaves 3-4 oblong-lanceolate, 10-17 cm long x 1.5 – 2.5 cm wide. Inflorescence a loose raceme of 18-25 flowers, each subtended by a lanceolate bract 15-25 mm long x 3-4 mm wide. Lip 17-20 mm long x 13-16 mm wide, creamy-white, broadly ovate in general outline, three-parted with each lobe cut deeply into narrow fringes. Spur from base of lip 20-30 mm long. Petals creamy-white, spatulate, with a finely toothed margin, 8-10 mm long x 4-5 mm wide. Lateral sepals white to greenish-white, obliquely ovate, 7-9 mm long x 4-5mm wide.”²

Platanthera leucophaea is found in moist to wet tallgrass prairies, sedge meadows, old fields, fens and bogs primarily north of the Wisconsinan glacial boundary. This boundary is thought to be caused by soils found in the region being more nutrient rich than the poorer more acidic soils to the south. But plant soil conditions can vary as seen in various populations around the regions it inhabits. It is mostly found in the Great Lakes Regions with other populations in Maine, Virginia, Missouri, and Iowa. There is a historic record of its occurrence in Oklahoma. In 1986 Sheviak and Bowles identified a new species, *Platanthera praeclara* occurring west of the Mississippi River that was once identified as *Platanthera leucophaea*.

Platanthera leucophaea is pollinated by large hawk moths that are attracted by its nightly fragrance. Insects attracted to it need long proboscis to obtain its nectar such as *Eumorpha achemon*, *Eumorpha pandorus* and *Lintneria eremitus*.



As a federally threatened species

Platanthera leucophaea is listed under the provisions of the Endangered Species Act. A Recovery Plan was prepared by Marlin L. Bowles of the Morton Arboretum in 1999 for the U.S. Fish and Wildlife Service. He found that there were 59 populations in 6 states with most in Wisconsin, Illinois, Michigan and Ohio. He found that full sun was necessary for optimum growth and reproduction. Long term management requires hawk moths for pollination and mycorrhizae with soil-inhabiting fungi for seedling establishment. Thus, pesticide use could be inhibitory. It was found to repopulate regions experiencing disturbance to areas especially by fire. He established that it could be removed from the list when “22 highly viable populations are distributed across plant communities and physiographic regions within the historic range of the species.”³

A viable population is expected to have more than 50 flowering plants and to be stable over a period of 5 years. He also made more recommendations in the document than is covered here.

The Endangered Species Act specifies reviews for species every 5 years and are available for 2010 and 2016. The plans detail the progress within the areas along with recovery criteria. Since the plan was initiated other populations have been found and one population has been created from a restored habitat. Other interesting information from the reviews show significant results and areas for work. It was also found that most plants only live 1 year (98% less than 5 years) and most are never dormant. The larger plants have the highest survival rate. Prescribed burning increases population survival.

References

1. <https://ecos.fws.gov/ecp0/profile/speciesProfile.action?spcode=Q2GG>
2. *Orchids of Indiana*, Michael A. Homoya, Indiana Academy of Science, 1993, p. 172.
3. https://ecos.fws.gov/docs/recovery_plan/990929.pdf

05/17/2016 [Eastern Prairie Fringed Orchid 5-Year Review \(2016\)](#)

Relationships Between Soil Characteristics, Distribution and Restoration Potential of The Federal Threatened Eastern Prairie Fringed Orchid, *Platanthera leucophaea* (Nutt.) Lindl, October, 2005, <file:///Users/jeannerhinehart/Desktop/Platanthera%20leucophaea%20/Relationships%20Between%20Soil%20Characteristics,%20Distribution%20and%20Restoration%20Potential%20of%20The%20Federal%20Th.webarc> [hive](#)

GoOrchids, <http://goorchids.northamericanorchidcenter.org/species/platanthera/leucophaea/>



Native Orchid Protection and Education Society (NOPES)

Membership Meeting Minutes of May 9, 2019

Attendees: Teresa Huesman, Jeanne Rhinehart, Ann Tsui, Angela Carter, Barry Rhinehart, Jan Yates, Ken Mettler, Michele Little, Eric Sauer, Cole Sauer, Jun Lao, Barry Jones, Jane Jones, MaryAnn Foss, Stacia Jeffs, Janet James, Crista Speigts, Matthew Speigts, Brian Grubbs, John Potter.

President Teresa Huesman started the Membership Meeting of NOPES at 8:15 pm on May 9, 2019 at Shawnee Lodge Cabin 18, 4404B State Route 125, West Portsmouth, OH 45663. The Membership Meeting minutes of April 24 were corrected by email and stand as approved.

Officers: Angela Carter agreed to fill the office of Vice President and Jan Yates the office of Treasurer. Officers serve for 2 year terms. We are grateful for these volunteers.

Cranberry Bog: We have permission to work on Cranberry Bog to observe, study and enhance the quality of native plant species found there. NOPES will propose a 3-year plan for our involvement at Cranberry Bog after a visit in June. One goal is to help slow the Bog's deterioration. Note that no clearing of "woodies" was done from 2014-2017 when the lake's dam was repaired. NOPES members plan to join the ONAPA Stewardship Project scheduled for September 25.

Cincinnati Nature Center (CNC): Dr. Cory Christopher, CNC Conservation Director, met with NOPES members. Conservation efforts were discussed, and he was very encouraging. We mentioned possibly assisting with control of the lesser celandine among the Wister's coral root growing there.

Putty Root Mapping: In a Cincinnati area park, 116 *Aplectum* (putty root) leaves were counted. An easily accessible place, we will be monitoring this area with photos and flower counts during the seasons.

CERC: The research area of the Smithsonian that deals with collecting seeds and fungus samples is working to supply fungus samples during reintroduction of native species. Julianne has contacted us. Permits will of course be required for use on private lands and at Cranberry Bog as we align our efforts with their goals.

Incorporation Process: NOPES has received an IRS EIN number, has set up a bank account and is recognized as a nonprofit organization by the State of Ohio. However, this is not the same as an IRS determination that we are exempt from taxes as a nonprofit. Achieving the tax exempt, 501c3 status, is our next goal. Writing the Regulations for NOPES is in process.

NOPES Scheduled Trips:

- 1) June 1 Lawrence Woods and Cedar Bog
- 2) June 22 Spangler Prairie and Cedar Bog
- 3) September 25 Work at Cranberry Bog with the ONAPA Stewardship Project

Also refer to the NOPES Calendar and Newsletters. Impromptu visits will be publicized via email.

Membership: Membership Applications are available for 2019 memberships.

The NOPES meeting adjourned at 8:58 pm. **The next Membership Meeting is TBA.**

Respectfully submitted,

Ann Tsui

Native Orchid Preservation and Education Society

Membership Application

Objectives for our group:

1. Preserve native orchid habitat and in situ native orchids
2. Work with other groups to preserve habitat and orchids
3. Educate people who are interested in native orchids through presentations, displays, observation, and demonstration of in situ orchid habitats about how to:
 - a. Grow native orchids according to their growth habits
 - b. Assist in orchid conservation
 - c. Preserve endangered species
 - d. Prevent removal of native orchids from the wild
 - e. Remove invasive species from known orchid habitats
 - f. Study the results of our efforts
 - g. Grow seedlings for distribution to orchid habitats
 - h. Perform research and field studies
3. Prepare resources about native orchid vendors, books, internet sites, native orchid conservation groups

Name:

Address:

Phone Number:

Email:

Occupation:

Other Interests:

Other Orchid Societies You Belong To:

Other Plant Societies You Belong To:

Are you involved in the sale of native orchids?

How did you learn of NOPES?

Why do you want to join NOPES?

IN CONSIDERATION of being given the opportunity to participate in any NOPES activity, including scheduled, supervised club activities, and during my membership, I, for myself, my personal representatives, assigns, heirs, and next of kin:

1. ACKNOWLEDGE, agree and represent that I understand the nature of NOPES Activities, both in meetings and hiking based, and that I am qualified, in good health, and in proper physical condition to participate in such Activity.
2. FULLY UNDERSTAND that:
 - A. some NOPES ACTIVITIES such as Orchid Hikes INVOLVE RISKS AND DANGERS of serious bodily injury, including permanent disability, paralysis and death ("Risks");
 - B. these Risks and dangers may be caused by my own actions, or inactions, the actions or inactions of others participating in the Activity, the condition in which the Activity takes place, or the negligence of the Releasee named below;
 - C. there may be other risks and social and economic losses either not known to me or not readily foreseeable at this time; and I FULLY ACCEPT AND ASSUME ALL SUCH RISKS AND ALL RESPONSIBILITY FOR LOSSES, COSTS, AND DAMAGES I incur as a result of my participation in the Activity.
3. FULLY UNDERSTAND that: NOPES is a society dedicated to the appreciation of native orchids through education and preservation. Individuals found poaching orchids will have their membership immediately revoked and will be reported to local and state authorities. A member may not act on behalf of nor invoke the name of NOPES without the express written permission of the board of NOPES. Members agree to hold harmless NOPES, the board, its officers and other members for any activities conducted by said member.
4. AGREE AND WARRANT that I will examine and inspect each Activity Which I take part as a member of NOPES and that, if I observe any Condition which I consider to be unacceptably hazardous or dangerous, I will notify the proper authority in charge of the Activity and will refuse to take part in the Activity until the condition has been corrected to my satisfaction.
5. HEREBY RELEASE, discharge, and covenant not to sue NOPES, their administrators, directors, agents, officers, volunteers and employees, other participating organizers, any sponsors, advertisers, and if applicable, owners and lessors of premises, on which the Activity takes place, (each considered one of the Releasees herein) from all liability, claims, demands, losses or damages on my account caused or alleged to be caused in whole or in part by the negligence of the Releasee or otherwise, including negligent rescue operations; and I further agree that if, despite this release and waiver of liability, assumption of risk, and indemnity agreement, I, or anyone on my behalf, makes a claim against any of the Releasees, I WILL INDEMNIFY, SAVE AND HOLD HARMLESS each of the Releasees from any litigation expenses, attorney fees, loss, liability, damage, or cost which any may incur as a result of such claim, to the fullest extent permitted by law.

I have read this agreement, fully understand its terms, understand that I have given up substantial rights by signing it and have signed it freely and without any inducement or assurance of any nature and intend it to be a complete and unconditional release of all liability to the greatest extent allowed by law and agree that if any portion of this agreement is held to be invalid, the balance, notwithstanding, shall continue in full force and effect.

Printed Name of Participant:

Address:

CITY STATE ZIP

Phone:

Cell Phone:

Participant's Signature:

Date:

Membership dues are \$20.00 for an individual or \$30 for a family. They can be mailed to Teresa Huesman, 5044 Goal Post Lane, Cincinnati, Ohio 45244

PARENTAL CONSENT (if participant is under the age of 18).

AND I, the minor's parent and/or legal guardian, understand the nature of NOPES activities and the minor's experience and capabilities and believe the minor to be qualified to participate in such activity. I hereby release, discharge, covenant not to sue, and AGREE TO INDEMNIFY AND SAVE AND HOLD HARMLESS each of the Releasees from all liability, claims, demands, losses, or damages on the minor's account caused or alleged to be caused in whole or part by the negligence of the Releasees or otherwise, including negligent rescue operations, and further agree that if, despite this release, I, the minor, or anyone on the minor's behalf makes a claim against any of the above Releasee,

I WILL INDEMNIFY, SAVE, AND HOLD HARMLESS each of the Releasees from any litigation expenses, attorney fees, loss liability, damage, or cost any may incur as the result of any such claim, to the fullest extent permitted by law.

Printed Name of Parent/Guardian: _____

Address: _____

City State Zip _____

Phone: _____

Cell Phone: _____ Date: _____ Parent/Guardian Signature (only if participant is under the age of 18): _____