



The 1168<sup>th</sup> meeting of the New England Botanical Society will be held  
**Saturday, 1 April 2023, at 7:00 PM ET** in McConnell 103 in  
Clark Science Center, Smith College, Northampton, MA,  
**and via Zoom**



**“Complex Interactions in *Sarracenia*: Implications for Plant and Ecosystem Health”**

**By Dr. Jessica Stephens**  
**Assistant Professor, Biology Department**  
**Westfield State University**  
**Westfield, MA**

**PLEASE READ:**

- 1) **THIS PRESENTATION & MEETING WILL BE IN-PERSON & VIRTUAL:** This meeting will be **in-person** at Smith College, but it will also be a **hybrid presentation using Zoom**. The link to join our Zoom Monthly Meetings will be reoccurring and is below. See [Campus Map](#) for parking and meeting locations.
- 2) **DR. STEPHEN’S ABSTRACT:** Carnivorous plants are found in nutrient poor habitats and have evolved complex trapping structures used in attraction, retention, and digestion of prey. This adaptation has evolved independently six times in flowering plants, resulting in approximately 645 species worldwide, which often display tremendous morphological diversity. These plants are highly dependent on insects to obtain nutrients and similar to animals, these plants are predicted to rely heavily on their microbiota to digest prey. In addition, carnivorous plant interactions with arthropods as prey have garnered the most attention, but it is important to note that these plants promote a diverse array of interactions with various arthropod species. These include herbivory, pollination, parasitism, and predation of primary associates, as well as capture interruption. The presentation will discuss recent research on these complex interactions in one group of carnivorous plants, pitcher plants of North America, and how understanding these relationships can better inform management and conservation in this group and surrounding habitats.
- 3) **BOTANICAL OPPORTUNITY:** The [Botanic Garden of Smith College](#) and Lyman Conservatory with [Into the Glasshouse art exhibit](#) and [Papermaking with Plants exhibit](#) will remain open for meeting attendees after 4 PM until 5:30 PM. See [Visitor Guide](#) for directions and more info about the gardens and conservatory. See [Campus Map](#) for parking and meeting locations.
- 4) **DINNER OPTION:** Attendees may meet at the [Northampton Brewery](#), 11 Brewster Ct, Northampton, MA, or gather at the front door/lobby of the Lyman Conservatory by 4:45 PM when a group plans to walk 10-15 minutes from campus to dinner.
- 5) **EAGLE HILL INSTITUTE DISCOUNTS (20%) & NEBS STIPENDS (\$150) FOR STUDENTS:** The [Eagle Hill Institute](#), Steuben, ME, is again offering NEBS members a 20% discount for their 2023 in-person summer week-long seminars (May-Sept). This discount is applied towards tuition and accommodations, but not meals or lab/microscope use fees. Also, NEBS will cover one stipend per year of \$150 towards costs for the first 3 NEBS STUDENT members who register for a summer botany course. Contact the Executive Director Sara Helm-Wallace at [nebc@rhodora.org](mailto:nebc@rhodora.org) for details and to apply. [Eagle Hill calendar](#).

- 6) **NEXT NEBS MEETING:** On Saturday, May 6, 2023, Dr. Kirsten Coe, Assistant Professor of Biology, Biology Department, Middlebury College, Middlebury, VT, will speak on "**Sphagnum Moss-Associated Nitrogen Fixation in New England Peatlands.**" Dr. Coe's presentation will be held at Native Plant Trust's Garden in the Woods, Framingham, MA, and will be in-person only.
- 7) **LAST NEBS MEETING BEFORE SUMMER IS 6:30 PM FRIDAY 23 JUNE 2023:** Dr. Kristina Jones, Director, Wellesley College Botanic Gardens, Wellesley, MA, will provide a tour of the [Global Flora Conservatory](#) at Wellesley College, MA, and speak on "**A Sustainable Conservatory in New England? Lessons from Wellesley College's Global Flora Project.**" This will be on in-person only meeting.
- 8) **VIDEOS of PAST PRESENTATIONS:** Please see [Past Meetings](#) for videos of past lectures, including Dr. Jack's March presentation.
- 9) **MEMBERSHIPS:** [Renew or Join for 2023 Here!](#) If you know of others who might be interested in our organization, please forward this link.

*The next Council meeting will be 29 March 2023 from 6:00-7:30 PM ET via Zoom.*

### **ZOOM INVITATION FOR NEBS MONTHLY MEETINGS**

Topic: NEBS Monthly Meeting

Date and Time: First Saturday of the month at 7:00 PM Eastern Time

Join Zoom Meeting

<https://zoom.us/j/98845538584>

Meeting ID: 988 4553 8584

One tap mobile

+19292056099,,98845538584# US (New York)

+13017158592,,98845538584# US (Germantown)

Dial by your location

+1 929 205 6099 US (New York)

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

Meeting ID: 988 4553 8584

Find your local number:

<https://zoom.us/j/98845538584>

#### **New England Botanical Society**

Harvard University Herbaria, 22 Divinity Ave.,  
Cambridge, MA 02138-2020

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[nebc@rhodora.org](mailto:nebc@rhodora.org)

**NEBS WEB SITE:** <http://www.rhodora.org/>  
[New England Botanical Society Brochure](#)

#### **NEBS Corresponding Secretary**

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**Meetings through June 2023**  
[2022-2023 Program Calendar](#)

[Mission and Vision Statements](#)  
[Strategic Goals for 2020-2025](#)