



The 1142<sup>nd</sup> meeting of the New England Botanical Club, Inc. will be held **Saturday, 7 December 2019, at 4:00 PM** in Haller Lecture Hall (room 102), Geological Museum, 24 Oxford St., Harvard University, Cambridge, MA.



**“Forecasting the Ecosystem Impacts of Invasive Insects  
in Northeastern U.S. Forests”**

**By  
Dr. Jaclyn Hatala Matthes  
Dept Biological Sciences, Wellesley College, Wellesley, MA**

**PLEASE READ (MANY NEW ANNOUNCEMENTS):**

- 1) **JACLYN’S ABSTRACT:** Introduced insects and pathogens are a globally widespread cause of forest disturbance, and forests in the northeastern United States are host to a particularly diverse abundance of introduced insect pests. Introduced insect pests can create significant ecological damage to forests, often with severe economic consequences for human communities. These impacts are challenging to predict due to the diversity of insect pests, the internal biotic dynamics within ecological communities, and external forces of disturbance such as droughts and storms. Ecological forecasting can play a helpful role in constraining the potential near-term ecological outcomes of the impacts of insect pests in forests. Through a framework that merges continual data collection with an ecosystem model (much like our weather forecasting system), we can generate forest forecasts for the impacts and recovery from insect pests. This forecasting framework can help to identify similarities and differences among the impacts of different species of insect pests and potentially help to inform future field data collection efforts.
- 2) **NEXT NEBC MEETING:** On Saturday, January 11, 2020, we will have our members’ “show and tell,” raffle, and potluck dinner at Division of Fisheries and Wildlife’s Cronin Building, 1 Rabbit Hill Road, Westborough, MA. Start making your preparations for *“20th Assembly of Associates’ Appetizing Alimentary Acquisitions and Amazing Apparitions of Angiosperms.”* Donations of botanical books and other botanical items are appreciated.
- 3) **REQUEST FOR RHODORA ASSOCIATE EDITORS AND REVIEWING EDITORS:** NEBC’s newly appointed Editor-in-Chief, Dr. Melanie Schori, seeks additional Associate Editors for *Rhodora* to serve for three-year terms and several Reviewing Editors to serve two-year terms. Associate Editors will be expected to handle 4–6 manuscripts per year on their topic area by contacting potential reviewers, reviewing the manuscript themselves, and sending collated responses to the Editor-in-Chief. Reviewing Editors will be asked to review 1–2 manuscripts per year on their topic area and should either be graduate students or recent graduates who will be mentored through the reviewing process to gain experience. NEBC membership is not required for either type of editorship. Those interested should send an email describing their relevant expertise and experience (or lack thereof) to [editor@rhodora.org](mailto:editor@rhodora.org).
- 4) **THIRD FEATURED REVIEW IN RHODORA NOW AVAILABLE:** *“Common Garden Experiments as a Dynamic Tool for Ecological Studies of Alpine Plants and Communities in Northeastern North America”* by Kevin Berend, Kristen Haynes, and Caitlin McDonough MacKenzie. The Featured Review is published in *Rhodora* Vol. 121, No. 987, pp. 174-212, and is available open access to all and free of charge [here](#). (PDF file).

- 5) **FUNDING OPPORTUNITIES FROM NEBC NOW OPEN (DEADLINES FEB 1 AND MARCH 1):**
- **NEBC JUNIOR FACULTY AWARD ON THE FLORA OF NEW ENGLAND – APPLICATIONS DUE 1 FEBRUARY 2020:** Applications for funding will be accepted from 1 December 2019 to 1 February 2020 from early-career, tenure-track faculty at any college or university in New England. Full requirements and application instructions can be found on the [Junior Faculty Award on the Flora of New England](#) web page.
  - **NEBC LES MEHRHOFF BOTANICAL RESEARCH AWARD(S) – APPLICATIONS DUE 1 FEBRUARY 2020:** Applications for funding will be accepted from 1 December 2019 to 1 February 2020. Full details for project requirements and application instructions can be found on the [Les Mehrhoff Botanical Research Award](#) web page. Summaries of past funded projects and a button for donations to the fund can be found on the same web page.
  - **NEBC GRADUATE STUDENT RESEARCH AWARD(S) – APPLICATIONS DUE 1 MARCH 2020:** Each year NEBC awards several thousands of dollars in support of botanical research conducted by graduate students. Sunday, 1 March 2020 is the deadline for receipt of proposals and supporting letters. Full details can be found on the [Graduate Student Research Award](#) web page.
- 6) **VIDEOS of PAST PRESENTATIONS:** Please see [Past Meetings](#) for videos of past lectures.
- 7) **2019-2020 PROGRAM CALENDAR:** Please print and post this one-page [2019-2020 Program Calendar](#) for meetings that have been planned through May 2020. Also please forward to others who may be interested. Meetings are open to all.
- 8) **MEMBERSHIP RENEWALS ARE PAST DUE:** [Renew Your NEBC Membership for 2020 Here!](#)
- 9) **NONVASCULAR HERBARIUM WORK DATES:** If you would like to help Elizabeth Kneiper and the Nonvascular Herbarium Committee with many tasks related to the NEBC collection, please contact her at [Ekneiper@aol.com](mailto:Ekneiper@aol.com). Meet in the basement of the Farlow Herbarium, Harvard University, Cambridge, MA. Upcoming work dates are on Wednesday's and Saturday's. Please see the [What's New](#) page for details.
- 10) **PARKING LOCATION:** Our designated FREE parking lot is **the 52 Oxford St. Garage, near the intersection of Everett St. and Oxford St.** Parking in any other lot will likely lead to towing. Please find a map showing the Oxford Garage (52OXST) at the following link: [Interactive Harvard University Campus Map](#)
- 11) **NEW SATURDAY PARKING ARRANGEMENTS:** Free parking for attendees will be from 12 noon to 7 PM on the Saturday of the meeting. NEBC Council members and people working in the vascular and nonvascular herbaria may park free from 9AM to 7PM.

*The Council will meet 2:30-3:30 PM in the meeting room near Haller Lecture Hall.*

**The New England Botanical Club**      **2019-2020 Program Calendar**  
Harvard University Herbaria, 22 Divinity Ave., Cambridge, MA 02138-2020  
NEBC Association Manager: John Burns [nebc@rhodora.org](mailto:nebc@rhodora.org)  
Club Phone: (413) 548-5668

**NEBC Corresponding Secretary**  
Dr. Nancy M. Eyster-Smith  
[neystersmith@bentley.edu](mailto:neystersmith@bentley.edu)  
NEBC WEB SITE: <http://www.rhodora.org/>