

HUBBARD BROOK MONTHLY May 2023 issue

Recent Publications

Lawrence, G, I Fernandez, S Bailey, C Beier, A Contosta, E Lane, P Murdoch, L Nave, A Quintana, D Ross, and A White. 2023. Forming regional soil carbon networks to support effective climate change solutions. Soil Science Society of America Journal.

<https://doi.org/10.1002/saj2.20551>

Yancey, CE, SM Juice, AT Classen, L Rustad, E Carol. 2023. The impact of ice storms on mycorrhizal fungi varies by season and mycorrhizal type in a hardwood forest. Ecosphere.

<https://doi.org/10.1002/ecs2.4526>

Young, AR, R Minocha, S Long, J Drake, and RD Yanai. 2023. Responses of physical, chemical, and metabolic leaf characteristics to depth within mature sugar maple crowns and to nitrogen and phosphorus addition. Tree Physiology.

<https://doi.org/10.1093/treephys/tpad043>

Hubbard Brook in the News

New Report: Ensuring Equitable and Continued Investment in Northern Border Communities

[U Maine](#)

Taking the Pulse of Global Change with World Heritage Data Sets

[Eos](#)

Tree Health and the Northern Forest

[NSRC](#)

Education and Outreach

See the following updates from Lindsey:

Lindsey Rustad's Greening STEM project, titled "[Integrating Science, Art & Music to Understand Water Cycle Science and Monitoring](#)" culminated in a series of virtual capstone ZOOM-a-Scientist/Artist engagements with 9th and 10th grade students from Coe-Brown Academy, and 6th grade students from Nashua, NH. These online sessions were followed by a field trip for all ~140 students to Hubbard Brook on May 18 (Coe-Brown) and May 22 (Nashua). During the field trips, students learned about the forest, how to collect data with sensors, and engaged in an art activity titled "Conversation with A Forest" with Miami-based artist Xavier Cortada and his assistant/videographer, Adam Roberti.

Artist Xavier Cortada was back for a week-long artist-in-residence program, after a three year COVID hiatus! He was accompanied by his assistant and videographer, Adam Roberti. They helped out with the Greening STEM field trips on May 18 and 19, and introduced their participatory art activity called "Conversation With a Forest", where they invited their participants to think about the benefits forests bring to us, and asked them to consider the state of the forest and what the forest is telling them. Other artwork from the week will be revealed!

Announcements

The 60th Annual Hubbard Brook Cooperators' Meeting will be held in-person on July 12-13, 2023, at the Merrill Place Conference Center at Plymouth State University. The July Quarterly Project Meeting will be held the following day (Friday, July 14, 2023) at the Hubbard Brook Experimental Forest US Forest Service Northern Research Station (the Headquarters building.) You can learn more about the meetings [here](#).

Do you have a talent or Hubbard Brook tale to share with the community? We would love to feature you during our 2023 Hidden Talent and Storytelling Hour on July 12, 7:00 pm, following dinner in the barn at the Hubbard Brook Forest Service Headquarters. For inspiration, check out [previous performances](#), including music, singing, storytelling, Hubbard Brook trivia, jokes, magic, and art!

If you'd like to participate, please share some basic information about you and your performance using this [sign-up form](#).

Shout-outs

Lindsey Rustad gives a shout out to Ian Halm, Amey Bailey, Brendan Leonardi and Raisa Kochmaruk for leading Greening STEM 6th, 9th, and 10th graders on action-packed field tours and art encounters in the forest on May 18 and 22. In Lindsey's words, "You folks are such professionals at these tours, and help to inspire the next generation of ecosystem scientists and artists! Also a shout out to the same as well as Marty Quinn, John Campbell, Dayna De La Cruz, and Nina Lany for sharing their careers and stories with the kids on ZOOM a Scientist/Artist days!"

Shout-out from Sara Kaiser: "Congratulations to Jackson Hutchison and Lezhi Hao for graduating with honors from Cornell University for their research on black-throated blue warblers!"

- Jackson's research: Post-fledging habitat use, movement, and survival of black-throated blue warblers in high- and low-risk habitat
- Lezhi's research: Female-specific plumage color as a signal of stress resilience and mate quality in the sexually dichromatic black-throated blue warbler

Dayna's DEI Digest

See the following announcement from Dayna De La Cruz, HBRF's Community Relations Specialist, about Field Futures, a harassment-prevention training program.

Overview of Field Futures from its website and media:

Fieldwork is an important and transformative part of science, but it unfortunately carries higher risk of harassment and assault. Working to build a safer, more equitable and more welcoming field setting for everyone is what we should be striving for, and FieldFutures is doing just that! [FieldFutures](#) is an organization that provides workshops meant to teach participants how to prevent, intervene in, and effectively report incidents of sexual harassment and assault in field settings. Through a series of practical intervention scenarios led by a skilled facilitator, participants learn and practice tangible prevention skills via positive organizational climate-setting.

In Dayna's words: "After attending a FieldFutures Harassment Prevention Training myself and having a safe and beneficial experience, it was indisputable that we *had* to bring this amazing knowledge to Hubbard Brook. Having gone through several field seasons in my career, I believe this information is essential for a successful and safe field season. — I am happy to announce that Hubbard Brook will be having a virtual FieldFutures Training on Tuesday, June 20th at 6:00 pm EST for *students and student field crew leaders*. If you would like to participate, [please secure your spot using this form](#). Thank you!"

* NEW * Hubbard Brook Non-Sequitur

Snippets of intriguing conversation and writing, taken out of context.

"I have frogs in my bag."

Comment from mischievous field trip student, muttered to Brendan at the end of a tour.

Turned out to be a bluff!

Submitted by Brendan Leonardi

"The presence of absence is everywhere."

Written by Linda Mapes in, "What We Lose When We Lose Old-Growth Forests"

Will that soon be true for White Ash at Hubbard Brook, and then Hemlock?
Submitted by Lindsey Rustad

Hubbard Brook Data Report

New data will be reported next month.

Thanks for reading!

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