

HUBBARD BROOK MONTHLY December 2022 issue

Recent Publications

Gonzales, KE, RD Yanai, TJ Fahey, and MC Fisk. 2023. Evidence for P limitation in eight northern hardwood stands: Foliar concentrations and resorption by three tree species in a factorial N by P addition experiment. Forest Ecology and Management.

<https://doi.org/10.1016/j.foreco.2022.120696>

McEvoy, SL, UU Sezen, A Trouern-Trend, SM McMahon, PG Schaberg, J Yang, JL Wegrzyn, and NG Swenson. 2022. Strategies of tolerance reflected in two North American maple genomes. The Plant Journal.

<https://doi.org/10.1111/tpj.15657>

Rice, AM, MT Johnston, AJ Libenson, and RD Yanai. 2022. Tree variability limits the detection of nutrient treatment effects on sap flux density in a northern hardwood forest. PeerJ.

<https://doi.org/10.7717/peerj.14410>

Hubbard Brook in the News

Boston is Losing its Snow Wicked Fast (featuring Alix Contosta)

[The Atlantic](#)

Hubbard Brook Field Station

[PSU Campus News](#)

White Christmas? Climate change is decimating winter snowpack – harming forests year-round

[Red Green and Blue](#)

Outreach and Education Update

Xavier Cortada, a Hubbard Brook artist and member of the Committee of Scientists, gave a TED talk as part of TED's London 2022 Countdown Sessions titled "A creative approach to community climate action." The talk was given on October 3, and released as a video in late December. You can watch the talk [here](#).

On December 15, Ruth Yanai was featured in a SUNY ESF [podcast episode](#) titled "The Hidden Power of Uncertainty." In the episode, Ruth describes the surprising effects of uncertainty surrounding Hubbard Brook's nutrient cycling budgets.

Sara Kaiser gave a guest lecture titled "Changing Seasonality in Northern Hardwood Forests" to three AP Environmental Science classes at Dunwoody High School in Dunwoody, GA.

Tour season is over, but the reviews are pouring in! In 2022, Brendan Leonardi led 30 tours and engaged close to 900 people with Hubbard Brook science. Here is what two teachers had to say:

"I wanted to thank you for a terrific day yesterday. Kids are still buzzing today about what we should do next for our schoolyard research site and their individual research projects."

"Thanks again for a fantastic visit. The students really enjoyed hearing about Hubbard Brook history and ongoing science, and the field equipment demonstration was perfect for a field techniques class such as this. Good luck with everything! I'll be looking you up again next year (or maybe sooner)!"

Announcements

In late December, the Hubbard Brook community was devastated by the sudden loss of Gary Lovett, a longtime Hubbard Brook ecologist, and a colleague, mentor, and friend. If you'd like to express condolences to Gary's family, you may send a card to his wife and daughter at 28 Patricia Lane, Clinton Corners, NY 12514-2340, or send an email to janetk.allison@gmail.com. His family prefers no calls at this time. Gary will be remembered at the January Quarterly Project Meeting. You can also [make a donation](#) in Gary's honor.

Hubbard Brook's January Quarterly Project Meeting will be held in-person at Vassar College on January 4-6. The topics will be Critical Ecology and Changing Forest Structure. You can download the [final agenda](#) here.

The Switzer Foundation is now accepting applications for 2023 Switzer Fellowships from "top graduate students in New England and California who demonstrate outstanding leadership potential, and who are committed to a career in environmental improvement." The deadline to apply is January 9, 2023. Learn more [here](#).

Hubbard Brook Data Report

New and updated datasets:

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest: 15 Minute Wind Speed and Direction Measurements, 2012 – present ver 2. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/876a08535066af2021f47e0c0ad689ca>

(Accessed 2023-01-03).

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest (USDA Forest Service): Wind Speed and Wind Direction Measurements, 1965 - present ver 10. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/44e0990bd39a4bffbfe0c5f99b5133db>

(Accessed 2023-01-03).

McGuire, K.J., S.W. Bailey, J. Gannon, and J.R. Benton. 2022. Hubbard Brook Experimental Forest: Watershed 3 Saturated Hydraulic Conductivity ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/b40546b191ccfbc603b4107122e019c8>

(Accessed 2023-01-03).

Bower, J.A., S.W. Bailey, A.M. Pennino, and S.A. Duston. 2022. Hubbard Brook Experimental Forest: Watershed 3 Lateral Weathering Pedon Descriptions ver 1. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/57a6a8cf5621555e1d007be2e31ce58b>

(Accessed 2023-01-03).

Thanks for reading!