

HUBBARD BROOK MONTHLY March 2023 issue

Recent Publications

Deitsch, JF, and SA Kaiser. 2023. Artificial light at night increases top-down pressure on caterpillars: experimental evidence from a light-naive forest. *Proceedings of the Royal Society B: Biological Sciences* 290: 20230153.

<https://doi.org/10.1098/rspb.2023.0153>

Lowe, WH, BR Addis, MM Cochrane, and LK Swartz. 2023. Source-sink dynamics within a complex life history. *Ecological Society of America*.

<https://doi.org/10.1002/ecy.3991>

Ontman, R, P Groffman, CT Driscoll, and Z Cheng. 2023. Surprising relationships between soil pH and microbial biomass and activity in a northern hardwood forest. *Biogeochemistry*.

<https://doi.org/10.1007/s10533-023-01031-0>

Hubbard Brook in the News

Artificial light at night aids caterpillar predators

[Cornell Chronicle](#)

Outreach and Education

On March 4, Lindsey Rustad joined US Forest Service educators from the New York City Urban Field Station and the NYC Watershed Ag Council to Present Hubbard Brook WaterViz lessons to 40 New York City science teachers in Brooklyn, NY.

On March 7, Raisa Kochmaruk gave a talk titled "Common Roots of Art and Science" as part of the Science Pub Series at Walter's Basin in Holderness, NH.

On March 7, Alix Contosta and John Campbell gave a talk titled "Winter Weather Whiplash" as part of the Science in the Mountains series hosted by the Mt. Washington Observatory.

On March 14, Lindsey Rustad presented recent results from the Hubbard Brook Ice Storm Experiment at the New England Society of American Foresters in Nashua, NH.

On March 24 in Baltimore, Maryland, Sarah Garlick presented a poster about the NSF APEAL project (Advancing Public Engagement Across LTERs) at the ARIS Summit, the annual meeting of the Center for Advancing Research Impacts in Society (ARIS).

On March 27, HBRF Executive Director Anthea Lavalley gave an invited, virtual talk to the Ecological Society of America's Student Section about Hubbard Brook's communications and outreach training program *Young Voices of Science*.

See this Young Voices of Science program update from Brendan: The 6th cohort of the Young Voices of Science program is currently underway! With a record number of applications this year, we have selected an ambitious and impressive group of 23 students from 19 different colleges and universities, across 4 different countries. Each participant in this spring cohort brings a focus on environmental education coupled with a unique set of research and science communication experiences. To learn more about the program and stay up to date on the fantastic science communication work our participants produce as part of the program, check out the Young Voices of Science [website](#), and follow us on [Instagram](#) and on our brand-new [Twitter](#) page.

Announcements

Mark your calendars! The next Quarterly Project Meeting will be held virtually on Thursday, April 13, from 10:00 am to 3:00 pm EDT. The topic will be changing seasonality, and the discussion will be led by Sara Kaiser and Mike Hallworth. You can access the agenda [here](#) and find the zoom link below:

<https://us02web.zoom.us/j/87008565795?pwd=bXYyUXJb2tkUGJHQjgzZ2VZcitWdz09>
Meeting ID: 870 0856 5795
Passcode: 503670

The Hubbard Brook Annual 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.)

On Tuesday, April 4 from 2:00-4:30pm ET, Charley Driscoll, James Saires, and Sarah Garlick are leading a town hall meeting for the Hubbard Brook community to discuss the planned enhanced mineral weathering experiment at Hubbard Brook. Please join us! The zoom link is: <https://us02web.zoom.us/j/89887974331?pwd=aWpsZEIxMUZ3VIZudjJRY2Z3dVBDdz09>

See this tour season announcement from Brendan: The sun is shining, the snow is melting and spring skiing season is upon us. That can only mean one thing, tour season at Hubbard Brook is right around the corner! Tours will start in early May, depending on snow melt and road conditions. For more information or to schedule a tour, please reach out to Brendan Leonardi at educator@hubbardbrookfoundation.org.

See this announcement from Sara Kaiser: John Deitsch (Cornell '23) was awarded a National Science Foundation Graduate Student Research Fellowship to continue his research on the effects of artificial light at night on insects at the University of Texas, El Paso. John conducted his undergraduate honors thesis research at Hubbard Brook in 2021 as part of the Hubbard Brook Field Ornithology Program. That summer, he discovered the first emerald ash-borer to arrive in the forest. In 2022, he returned to Hubbard Brook to work on the emerald ash-borer experiment. Congratulations, John!

Over the course of four days in March, the HBNO shoveling team moved about 32 tons of snow. See Brendan's shout-out below.

Shout-outs

Anthea Lavallee gives a shout-out to Sarah Garlick: "I would like to thank Sarah Garlick for her TREMENDOUS work at HBRF over the last 9 years. Sarah's creativity and hard work elevated Hubbard Brook's public engagement with science initiative on a national stage. We will miss her but will be cheering her on in her new role at TNC!"

Brendan Leonardi gives a shout-out to the shoveling team: "Many, many thanks to everyone who contributed to the HBNO shoveling work done this past month. Together as a team, we moved many tens of thousands of pounds of snow, all across the Hubbard Brook valley. It was an unbelievable amount of work, and it never would have happened if not for everyone's contributions to the project. THANKS TO Garrett Higgins, Geoff Wilson, Steve Caron, Ryan Shipley, Raisa Kochmaruk and Amey Bailey for all your time, energy and good cheer. It would not have been possible without you all!"

Hubbard Brook Data Report

There are no new data this month.

Thanks for reading!