

Hubbard Brook Monthly, April 2018, Sent 5/1/2018

Dear Colleagues,

Below and attached please find the April 2018 issue of the Hubbard Brook Monthly. If you have an item you'd like to see included in the next issue, please send it to sciencelinks@hubbardbrookfoundation.org.

Best wishes,
Clara

HUBBARD BROOK MONTHLY April 2018 issue

Recent Publications (April 2018)

Ellison, AM, CJ LeRoy, KJ Landsbergen, E Bosanquet, DB Borden, PJ CaraDonna, K Cheney, R Crystal-Ornelas, A DeFreece, L Goralnik, E Irons, BG Merkle, KEB O'Connell, CA Penick, L Rustad, M Schulze, NM Waser, LM Wysong. 2018. Art/Science Collaborations: New Explorations of Ecological Systems, Values, and their Feedbacks. *The Bulletin of the Ecological Society of America* 99(2): 180-191. <https://doi.org/10.1002/bes2.1384>

Ouimette, AP, SV Ollinger, AD Richardson, DY Hollinger, T Keenan, LC Lepine, M Vadeboncoeur. 2018. Carbon fluxes and interannual drivers in a temperate forest ecosystem assessed through comparison of top-down and bottom up approaches. *Agricultural and Forest Meteorology*. 256–257: 420-430. <https://doi.org/10.1016/j.agrformet.2018.03.017>

Yang, Y, RD Lanai, CT Driscoll, M Montesdeoca, KT Smith. 2018. Concentrations and content of mercury in bark, wood, and leaves in hardwoods and conifers in four forested sites in the northeastern USA. *PLoS ONE* 13(4): e0196293. <https://doi.org/10.1371/journal.pone.0196293>

If your publication is missing from this list, please let us know:
sciencelinks@hubbardbrookfoundation.org

Hubbard Brook in the News

- New Hampshire Union Leader: Maple syrup producers say 2018 looks like a sweet season despite early start
<http://www.unionleader.com/business/Maple-syrup-producers-say-2018-looks-like-sweet-season-despite-early-start-04022018>

- Daily Hampshire Gazette: Down to Earth: Sugaring in a warming world, Daily Hampshire Gazette
<http://www.gazettenet.com/Down-to-Earth-with-Naila-Moreira-16766348>
- Vermont Standard: U.S. Ecologist Delves into Impacts of Ice Storms

Outreach and Education Update (*Including recent and planned speaking engagements for public audiences, community outreach events, and K-12 education involvement*)

- HBRF hosted a roundtable dialogue on April 5 about winter climate change with investigators from the Northeast Ecosystem Research Cooperative as part of a NSRC-funded synthesis project. The dialogue involved 21 participants from groups around New England, including representatives from Manomet, the New England Forestry Foundation, Northeast Climate Science Center, United South and Eastern Tribes, Ski NH, VT Association of Snow Travelers, White Mountain National Forest, and Loon Mountain.
- Lindsey Rustad presented on “Angling in a Warming World” at the Mollycokett Chapter of Trout Unlimited in West Paris, ME, on April 18. Her talk, “Why Ice Storms Aren’t Cool: Research at the Hubbard Brook Experimental Forest,” at the Vermont Institute of Natural Science in Quechee, VT, on April 19, led to coverage in the Vermont Standard. Next, she’ll be discussing “Changing Climate, Changing Forests” at the Androscoggin River Watershed Conference, on May 3, in Bethel, ME.
- Anthea Lavalley and Jenny Levy, VP of corporate responsibility at Hypertherm, led a panel discussion of environmental careers at Hanover High School on April 27 as part of their Earth Day celebration.
- Scott Bailey gave a talk on Hubbard Brook research, entitled “Hydropedologic mapping: a novel approach to assessing the ecological influence of soils on forests and surface waters,” at the Mark Twain National Forest in Missouri. The talk was part of the USDA Forest Service-Southwestern Region and Eastern Region Terrestrial Ecological Unit Technology Exchange Training on April 30.
- Hubbard Brook will host a retreat for graduate fellows from the Northeast Climate Science Center from May 14-17. The retreat will bring together graduate students, post-docs, and scientists from Missouri to Massachusetts to learn about the ecology and management of forests and other ecosystems in the region and the research examining climate change impacts.
- Hubbard Brook will host a member gathering from Manomet's Climate Smart Land Network on May 23 and 24.

Save the Date

- “The People’s Forest: A Centennial Celebration of the White Mountain National Forest” is opening at the Museum of the White Mountains in Plymouth on May 16 and will include materials from Hubbard Brook. The exhibit will be on view through September 12, 2018.
<https://www.plymouth.edu/museum-of-the-white-mountains/exhibitions/upcoming-exhibitions/>
- The LTER All Scientists Meeting will be held in Monterey, CA, Oct. 1-4, 2018. The theme is *Next Generation Synthesis: Successes and Strategies*. The deadline to submit workshop and poster proposals is **May 30**.
<https://lternet.edu/lter-scientists-meeting-2018/>

Announcements

- Anthea Lavalley worked with NSRC Theme Leaders to prepare a business report summarizing the challenges and achievements of this 16-year, federally funded program for applied forest research in our region. Outreach to congressional delegations of the Northern Forest states is underway in an effort to build support for renewed funding.
https://nsrcforest.org/sites/default/files/uploads/NSRC_Business_Report_FINAL.pdf
- HBES receives \$4,000 per year from the LTER network to foster the ArtSciConverge program. As updates to the current project, Waterviz, wind down, a small group of interested COS members is planning to meet to discuss how to continue to grow the ArtSciConverge program and determine its direction going forward. If you are interested in participating in this group, please contact Lindsey Rustad: lrustad@fs.fed.us.
- Hubbard Brook Multimedia Stories, a new blog about the science at Hubbard Brook, is now accessible from the homepage of the Hubbard Brook website. We look forward to adding new stories to the site and welcome contributions from investigators, post-docs, and students. If you are interested in writing a blog post about your research or contributing photos or videos, please contact Clara Chaisson: cchaisson@hubbardbrookfoundation.org.
- Sarah Garlick attended the National Alliance for Broader Impacts (NABI) Summit in Providence, Rhode Island, on April 25-27 and presented posters from the Ice Storm Experiment and Forest Science Dialogues. The conference included information from NSF employees on the latest thinking about broader impacts. If you’re interested in learning more, get in touch with Sarah: sgarlick@hubbardbrookfoundation.org.

- If you are a Cooperator who will be interacting with students or staff at HBES in 2018 and have not yet filled out the Safety Information Sheet, please do so. https://docs.google.com/spreadsheets/d/1V2ZaLhXULpSRsM_w4Vr8_lu9wNr5eR7HS0orFzCUgEE/edit?usp=sharing
- With the recent posting of a Chapter entitled “Soil Biology,” edited by Peter Groffman and Melany Fisk, the online book, *A Synthesis of Research at Hubbard Brook*, now includes a total of 13 chapters as well as a set of homework problems linked to the online data catalog. (<https://hubbardbrook.org/online-book>.) The book is written at a level for advanced students to provide a concise and updateable summary of any and all research from the HBES. Contributions and edits from members of the HBES COS are encouraged. Additional chapters are in the works on subjects including: Acid Rain Effects, Atmospheric Deposition, Soil Mineral Weathering, Soil Formation, Birds, Salamanders, and Forest Physiology and Phenology. Contacts for this effort are Tim Fahey (feedback, proposed chapters, etc.) and Mary Martin (technical support for chapter submissions and editing): tjf5@cornell.edu/mary.martin@unh.edu.

Thank you for reading! We appreciate your patience as we continue to refine our template to make this monthly update as beneficial and succinct as possible. We welcome your constructive suggestions.