

Hubbard Brook Monthly, March 2018, Sent 3/3/2018

Dear Colleagues,

Below and attached please find the March 2018 issue of the Hubbard Brook Monthly, a new regular newsletter sent out via this listserv to facilitate the sharing of information across the growing Hubbard Brook community.

As a reminder, the sections for future issues include: Recent Publications, Hubbard Brook in the News, Outreach and Education, New or Proposed Research, Save the Date, and Announcements. If you have an item you'd like to see included in the next issue, please send it to us no later than March 28 using the following email address: sciencelinks@hubbardbrookfoundation.org

Best wishes, Clara Chaisson, Sarah Garlick, and Maribeth Rubenstein

HUBBARD BROOK MONTHLY
March 2018 issue

Recent Publications (February 2018)

Burakowski, E.A., A. Tawfik, A. Ouimette, L.C. Lepine, K. Novick, S.V. Ollinger, C. Zarzycki, G. Bonan. 2018. The role of surface roughness, albedo, and Bowen ratio on ecosystem energy balance in the Eastern United States. *Agricultural and Forest Meteorology*. 249: 367–376.

<https://doi.org/10.1016/j.agrformet.2017.11.030>

Lee, M.S., D.Y. Hollinger, T.F. Keenan, A.P. Ouimette, S.V. Ollinger, A.D. Richardson. 2018. Model-based analysis of the impact of diffuse radiation on CO₂ exchange in a temperate deciduous forest. *Agricultural and Forest Meteorology*. 249: 377–389.

<https://doi.org/10.1016/j.agrformet.2017.11.016>

Sanders-DeMott R, R McNellis, M Jabouri, PH Templer. 2018. Snow depth, soil temperature, and plant-herbivore interactions mediate plant response to climate change. *Journal of Ecology*, 00: 1-12

<https://doi.org/10.1111/1365-2745.12912>

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

Hubbard Brook in the News

- SUNY-ESF: [Dr. Myron Mitchell Appointed to EPA Advisory Committee](#)

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

- Lindsey Rustad and Anthea Lavallee met the Assistant Director, the Operations Section Chief, and the Assistant Chief of Field Services at NH Homeland Security and Emergency Management on February 2 to discuss the Ice Storm Experiment and opportunities to collaborate and to share information related to these extreme weather events.
- Charley Driscoll traveled to Washington, D.C. along with Kathy Fallon Lambert from Harvard Forest, Jonathan Buonocore from Harvard University, and Dallas Burtraw from Resources for the Future to give two briefings on February 6. The first session was organized by the American Lung Association and was open to House staff, the press, and the public. The second was closed and was for minority members of the Senate Environment and Public Works committee staff. The group explained differences in carbon dioxide, sulfur dioxide, and nitrogen emissions; air quality impacts; and health and ecosystem benefits between the current standard to control carbon dioxide emissions from power plants and a replacement proposed by the Trump administration that would improve the heat rate efficiency of individual facilities.
- Hubbard Brook Research Foundation Trustee Anant Sundaram, Anthea Lavallee, and Mark Green met with Cabot Creamery Cooperative's Director of Sustainability and Environmental Consultant on February 23 to discuss respective approaches to environmental monitoring.
- Nat Cleavitt continued doing educational outreach for the Hubbard Brook Research Foundation with a February 20 visit with the first graders at Holderness Central School. She has two school trips planned in March.
- Photographer Joe Klementovich visited Hubbard Brook to take pictures for his "Portraits of Science" series. Check out the images (featuring Tammy Wooster and Amey Bailey) [here](#).

Save the Date

- The April Committee of Scientists meeting will be a joint meeting with guests from the Harvard Forest on **April 11, 2018** at the Cary Institute of Ecosystem Studies in Millbrook, New York. The meeting theme is Public Engagement with Science, led by Sarah Garlick and Kathy Fallon Lambert.

Announcements

- The upcoming deadline for proposals for new and expanded research at Hubbard Brook is **March 15**. More information and the on-line proposal form is here: <https://hubbardbrook.org/research/research-proposal-submission>
- The Hubbard Brook Research Foundation is currently taking reservations for the upcoming field season, and spots are filling up quickly. If you have not yet

done so, please reach out to Elisa at Especkert@hubbardbrookfoundation.org with your housing requirements.

- Charley Driscoll was named a Fellow of the American Association for the Advancement of Science (AAAS) on February 17 in Austin, Texas. Election as a AAAS Fellow is an honor bestowed upon AAAS members by their peers. Congratulations, Charley!
- There are a number of new and updated datasets on the Hubbard Brook website:

Groffman P. 2018. Long-term measurements of microbial biomass and activity at the Hubbard Brook Experimental Forest, 1994 - present. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/98e6451c4155ab4f4dc576386a1b613f>

Cleavitt, N. 2018. Hubbard Brook Experimental Forest: Orchid demography. Environmental Data Initiative. Available March 2, 2018.

Templer P., R. Sanders-DeMott. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Root Damage. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/4c15ee5dac54d091819d056f4d1fd483>

Templer P., R. Sanders-DeMott. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Foliar Nitrogen. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/a6780fe186f3da8ec1348f22366100e0>

Templer P., R. Sanders-DeMott. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Growth and Litter. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/40e33a5743be504c5aabf3e07d0995c3>

Templer P., R. Sanders-DeMott. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Herbivory Damage and Snow Depth. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/621e8639cced6d174e5ee566adb06756>

Templer P., R. Sanders-DeMott. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Photosynthesis. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/0f6fe437abba002553e4ad64a91f0f62>

Templer P., R. Sanders-DeMott, F. Bowles. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Soil and Air Temperature. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/6ce35c0cf60a9a2ad52ba7b020004190>

Templer P., R. Sanders-DeMott, A. Bailey. 2017. Climate Change Across Seasons Experiment (CCASE) Sapling Study at the Hubbard Brook Experimental Forest: Spring Phenology. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/46a9d6b84747ad87e1daace71c8a20b3>

Templer P., R. Sanders-DeMott, S. Juice, F. Bowles, L. Sofen, J. Harrison. 2017. Climate Change Across Seasons Experiment (CCASE) at the Hubbard Brook Experimental Forest: Soil and Air Temperature. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/b4ca017071e057df42c3e39a420da106>

Templer P., R. Sanders-DeMott, S. Juice, F. Bowles, L. Sofen, J. Harrison. 2016. Climate Change Across Seasons Experiment (CCASE) at the Hubbard Brook Experimental Forest: Snow and Frost. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/852515f6ffcbd91048d6d942a582048f>

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.