

AINA NEWS

Melanie Paulson Takes a New Position

Staff, research associates, institute members, and postdoctoral fellows at AINA wish Melanie Paulson great success and happiness in her new position in the Faculty of Science, University of Calgary, where she will provide administrative support to the associate deans of Graduate Education, Research, and Innovation and Strategic Partnerships. Joining the institute in 2011, Melanie served as administrative assistant and then administrative coordinator under the executive directors Benoit Beauchamp, Peter Dawson, Shawn Marshall, and Maribeth Murray.

Melanie played a monumental role in maintaining workflow at AINA. Her outstanding dedication and deep knowledge of the institute made her a central figure in every aspect of work there. Apart from managing the office, she assumed the financial administration of the institute's budget, the journal *Arctic*, the Kluane Lake Research Station, and ASTIS. She managed the selection process for three scholarships offered through the institute: The Jennifer Robinson and Lorraine Allison Memorial Scholarships and the H.M. Ali Family Educational Award, as well as the University of Calgary's student applications for Polar Knowledge Canada's Northern Science Training Program, a fund for student travel in the Arctic and sub-Arctic. A myriad of other tasks consumed her workday and, not uncommonly, her evenings, all of which she took on with remarkable good humour. There is no question that she will be recognized immediately as a great asset to the offices and projects she will manage, and we look forward to seeing her on campus and around cheerful, noisy dinner tables.

Associate Director Leads International Sea Ice Project in Cambridge Bay

This past May, Dr. Brent Else (associate director, AINA) led an international team studying sea ice biogeochemistry near Cambridge Bay, Nunavut. The expedition was a contribution to the Essential Climate Variables in Sea Ice (ECV-ice) working group. ECV-ice is sponsored in part by the Scientific Committee on Ocean Research, which has convened working groups since 1961 to focus international efforts on major challenges faced by the oceanographic community. The goal of ECV-ice is to develop better techniques for measuring primary production and greenhouse gases in sea ice.

The 2022 expedition included 18 participants from Canada, Japan, Norway, and Belgium. The Canadian High Arctic Research Station (CHARS) provided accommodation, lab space, and logistic support, including the snowmobiles needed to travel out onto the sea ice every day for a month. Study sites were established on the landfast ice surrounding Cambridge Bay, where

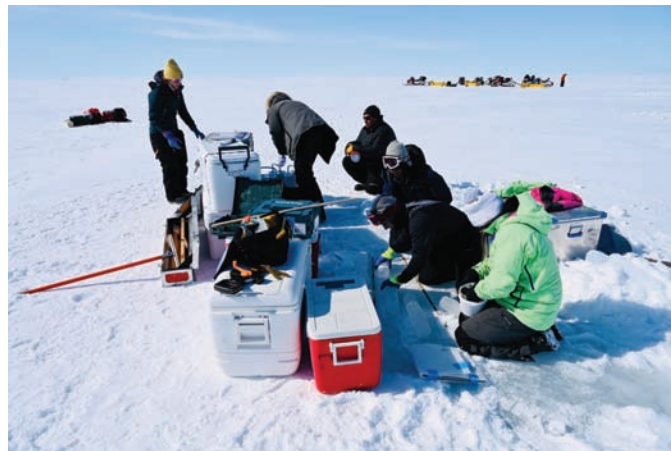


FIG. 1. Team members from Belgium, Norway, Japan, and a local Inuit technician collect sea ice samples on landfast ice near Cambridge Bay. Photo: Daiki Nomura.



FIG. 2. Taichi Noshiro (Japan, left) and Bruno Delille (Belgium, right) collect sea ice brine chemistry samples to compare different sampling and analysis techniques. Photo: Daiki Nomura.

instruments were deployed and ice cores and water samples were collected (Figs. 1, 2). One of the main objectives of the project was to perform side-by-side comparisons of measurement techniques developed in different labs around the world. Over the coming year, participants will share data and results and publish recommendations for best practices when studying sea ice biogeochemistry.

Despite the usual challenges of fieldwork, the expedition was, by all accounts, a great success. Cambridge Bay and CHARS proved to be excellent hosts for an international collaboration of this size. As CHARS continues to build capacity, we can look forward to further opportunities for Canada to lead on the international research stage.

Summer at the Kluane Lake Research Station

The Kluane Lake Research Station (KLRS) welcomed its first guests of the 2022 summer season on 20 April. This

summer over 20 research groups from Canada, the United States, and Europe working on projects, including those in the fields of glaciology, hydrology, biology, ecology, and geomorphology. Students and instructors from secondary schools and universities in Yukon, Alberta, Ontario, and the United Kingdom visited KLRS to conduct courses. Additionally, youth education groups through the Howl Academy, Girls* on Ice Canada, and Land Based Learning Camp (part of the Canadian Mountain Network) used the station.

KLRS began a partnership with the Oceanwise Direct Action program in 2021 and hosted two interns this year who supported a PhD hydrology project. A third intern joined KLRS through the University of Calgary's Office of Sustainability and worked to enhance KLRS garden and greenhouse growing environments. At the end of September, the station will be hosting an open house to

welcome researchers, project partners, and members from the surrounding community. We are grateful to all the staff who supported this season's success and all guests and visitors who come here and return to KLRS. The 2022 season will close on 25 September, and we look forward to supporting research projects in science and social sciences, education groups, and guests next year!

Published Book Review

Samantha Jones, a member of our copy-editing team, has published a review of the book entitled, "Tropical Arctic: Lost Plants, Future Climates, and the Discovery of Ancient Greenland," by Jennifer C. McElwain, Marlene Hill Donnelly, and Ian J. Glasspool (University of Chicago Press). Learn more at: <https://reviewcanada.ca/magazine/2022/07/into-the-woods/>