THE ARCTIC OCEAN: ROUND TWO

EVERY DECADE OR SO, it is worth revisiting a topic that we previously covered in Oceanography to provide the community with updates on progress. This special issue on The New Arctic Ocean is the latest example. In 2011, we published a special issue on The Changing Arctic Ocean (https://tos.org/oceanography/ issue/volume-24-issue-03) featuring some of the advances made in polar science resulting from the International Polar Year of 2007–2008. Articles in this current special issue further explore the continuing, profound, and increasingly rapid changes occurring in the Arctic Ocean, illuminated by another decade of advances in data collection, analysis, and computation, and enriched by infusions of Indigenous knowledge. Continued warming of the "new" Arctic Ocean, which is already exhibiting further sea ice decline and "Atlantification," more coastal erosion, the potential for more frequent and larger harmful algal blooms, and alterations to ecosystem functioning, among other significant changes, is of great consequence to local coastal communities' food security and infrastructure, and some changes, such as sea ice decline, likely have global implications.

Tom Weingartner led the guest editor team that included Carin Ashjian, Lawson Brigham, Thomas Haine, Liza Mack, Don Perovich, and Benjamin Rabe. All are credited with giving careful consideration to the seven topics covered in this special issue, soliciting article contributions from a wide range of experts who work on Arctic Ocean problems, and shepherding the articles through peer review—much of which was accomplished when the COVID pandemic was still strongly affecting research and teaching. It is perhaps an understatement to say it was a challenging time to publish. In addition to giving the guest editors a shout out for their time, effort, and thoughtful input that led to an outstanding, well-rounded set of papers, I would like to thank the US Arctic Research Commission; the National Science Foundation, Office of Polar Programs, Arctic Sciences Section; and the Office of Naval Research for supporting production of this special issue.

Ellen S. Kappel, Editor

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