

THE OFFICIAL MAGAZINE OF THE OCEANOGRAPHY SOCIETY

Oceanography

CITATION

Roman, M. 2011. From the President: Arctic climate change. *Oceanography* 24(3):7,
<http://dx.doi.org/10.5670/oceanog.2011.83>.

COPYRIGHT

This article has been published in *Oceanography*, Volume 24, Number 3, a quarterly journal of The Oceanography Society. Copyright 2011 by The Oceanography Society. All rights reserved.

USAGE

Permission is granted to copy this article for use in teaching and research. Republication, systematic reproduction, or collective redistribution of any portion of this article by photocopy machine, reposting, or other means is permitted only with the approval of The Oceanography Society. Send all correspondence to: info@tos.org or The Oceanography Society, PO Box 1931, Rockville, MD 20849-1931, USA.



THE OCEANOGRAPHY SOCIETY

P.O. Box 1931
Rockville, MD 20849-1931 USA
t: (1) 301-251-7708; f: (1) 301-251-7709
www.tos.org

The Oceanography Society was founded in 1988 to disseminate knowledge of oceanography and its application through research and education, to promote communication among oceanographers, and to provide a constituency for consensus-building across all the disciplines of the field.

OFFICERS

Mike Roman, President
Mark Abbott, President-Elect
Carolyn Thoroughgood, Past-President
Susan Cook, Secretary
Susan Banahan, Treasurer

COUNCILLORS

John Cullen Charles Nittrouer
Scott Doney Lisa Rom
Scott Glenn Mary Scranton
Karen Heywood

EXECUTIVE DIRECTOR

Jennifer Ramarui (info@tos.org)

SPONSORS

Biospherical Instruments Inc.
www.biospherical.com

Fugro GEOS
www.geos.com

Lighthouse R&D Enterprises Inc.
www.lighthousehouston.com

Lockheed Martin Sippican Inc.
www.sippican.com

Ober | Kaler
www.ober.com

Satlantic
www.satlantic.com

Sea-Bird Electronics Inc.
www.seabird.com

SubChem Systems Inc.
www.subchem.com

Teledyne RD Instruments
www.rdinstruments.com

WET Labs
www.wetlabs.com

Arctic Climate Change

Perhaps more than any other ocean region, the Arctic has grabbed public attention as the embodiment of the impacts of climate change. We have seen pictures of stranded walrus pups and displaced polar bears. We have read about new trade routes and petroleum exploration in previously ice-covered seas. Earlier ice retreat and the absence of ice have changed the wind-driven mixing, ecology, and biogeochemistry of Arctic seas.

While many of these changes are tragic for both the affected species and the humans who depend on them, they also present an opportunity and obligation to examine the interdependent climate-oceanography-human dimension of the Arctic. Interdisciplinary approaches for Arctic research, such as those described in articles in this issue of *Oceanography*, can be used effectively to gain new insights and to provide important “teaching moments” that demonstrate the complex effects of climate change to the public and to policymakers.

As funding agencies set priorities for funding in the years ahead, we need to make sure that the effects of climate change in the Arctic are a top priority.

Mike Roman, TOS President

vacuubrand Five Decades of Vacuum Innovation

Portable Vacuum Network

Three or six high-performance vacuum ports in a snap! Vacuum to 1.5 Torr without interference between users.



Just attach the new VACUU·LAN® Mini-Network to the wall or your lab frame, connect it to your oil-free vacuum pump with vacuum tubing and you're ready to go! If needed, upgrade individual ports to fully programmable vacuum control in seconds.

Learn more at our microsite! www.vacuu-lan.com

VACUUBRAND, INC. www.vacuubrand.com
Cust. Serv. 888-882-6730 info@vacuubrand.net