



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation – August 2000

MBL/WHOI Library  
Woods Hole, MA 02543

---

**Aubry, Marie-Pierre, John Van Couvering, William A. Berggren, and  
Fredrich Steininger.**

Should the golden spike glitter? *Episodes*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10253**

**Bucklin, A., O. S. Astthorsson, A. Gislason, L. D. Allen, S. B. Smolenack, and  
P. H. Wiebe.**

Population genetic variation of *C. finmarchicus* in Icelandic waters: Preliminary evidence of genetic differences between Atlantic and Arctic populations.

*J.Mar.Sci.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10276**

**Buesseler, Ken O., Claudia Benitez-Nelson, Michiel Rutgers van der Loeff,  
John Andrews, Lary Ball, Glen Crossin, and Matthew A. Charette.**

An intercomparison of small- and large-volume techniques for thorium-234 in seawater. *Mar.Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10267**

**Clift, Peter D. and Jian Lin.**

Patterns of extension and magmatism along the continent-ocean boundary, South China margin. *J.Geol.Soc.London*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10274**

**Cochran, J. K., K. O. Buesseler, M. P. Bacon, H. W. Wang, D. J. Hirschberg, L. Ball, J. Andrews, G. Crossin, and A. Fler.**

Short-lived thorium isotopes ( $^{234}\text{Th}$ ,  $^{228}\text{Th}$ ) as indicators of POC export and particle cycling in the Ross Sea, Southern Ocean. *Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10252**

**Curry, Ruth G. and Michael S. McCartney.**

Ocean gyre circulation changes associated with the North Atlantic oscillation.

*J. Phys. Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10260**

**Feddersen, Falk, E. L. Gallagher, Steve Elgar, and R. T. Guza.**

The drag coefficient in the nearshore. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10286**

**Flierl, Glenn and Dennis J. McGillicuddy, Jr.**

Mesoscale and sub-mesoscale physical-biological interactions.

In: *The Sea*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10281**

**Foote, Kenneth G.**

Pilot census of marine life in the Gulf of Maine: Accepting the tools of technology in management practice. *Mar. Pol. Rev.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10273**

**Foote, Kenneth G.**

Acoustic scattering by marine organisms. In: *Encyclopedia of Ocean Sciences*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10272**

**Garcon, Veronique C., Andreas Oschlies, Scott C. Doney, Dennis McGillicuddy, and Joanna Waniek.**

The role of mesoscale variability on plankton dynamics in the North Atlantic.

*Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10263**

**Gast, Rebecca J.**

The development of a reverse dot-blot method for the detection and identification of *Acanthamoeba* ribotypes. *J.Eukaryot.Microbiol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10261**

**Geyer, W. Rockwell, Jonathan D. Woodruff, and Peter Traykovski.**

The sediment transport and trapping in the Hudson River. *Estuaries*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10285**

**Gobat, Jason I. and Mark A. Grosenbaugh.**

A simple model for dynamic tension in catenary moorings.

*Appl.Ocean Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10277**

**Hannigan, Robyn E. and Edward R. Sholkovitz.**

The development of middle rare earth element enrichments in freshwaters:

Weathering of phosphate minerals. *Chem.Geol.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10247**

**Hinrichs, Kai-Uwe, Roger E. Summons, Victoria Orphan, Sean P. Sylva, and John M. Hayes.**

Molecular and isotopic analysis of anaerobic methane-oxidizing communities in marine sediments. *Org.Geochem.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10256**

**Huang, Rui Xin.**

Interior communication and the structure of the thermocline in Subtropical and Tropical Oceans. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10262**

**Humphris, Susan E. and Johnson R. Cann.**

Constraints on the energy and chemical balances of the modern TAG and ancient Cyprus seafloor sulfide deposits. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10257**

**Johnsen, Sonke and Edith A. Widder.**

Ultraviolet absorption in transparent zooplankton and its implications for depth distribution and visual predation. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10251**

**Jones, Alan G., Ian J. Ferguson, Alan D. Chave, Rob L. Evans, and Gary W. McNeice.**

The electric lithosphere of the Slave craton. *Science*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10279**

**Kaplan, Ilene M. and Hauke L. Kite-Powell.**

Safety at sea and fisheries management: Fishermen's attitudes and the need for co-management. *Mar.Pol.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10287**

**Kreutz, K. J., V. B. Aizen, L. D. Cecil, and C. P. Wake.**

Oxygen isotopic and soluble ionic composition of precipitation recorded in a shallow form core, Inidcheck Glacier (Central Tien Shan). *Tellus B*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10269**

**Kreutz, Karl J. and Edward R. Sholkovitz.**

Major element, rare earth element, and sulfur isotopic composition of a high-elevation firn core: Sources and transport of mineral dust in central Asia.

*Geochem.Geophys.Geosys.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10244**

**Legg, Sonya and James C. McWilliams.**

A note of sampling characteristics from isobaric floats in a convective eddy field.

*J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10248**

**Lonsdale, D. J., David A. Caron, Mark R. Dennett, and Rebecca Shaffner.**

Predation of *Oithona* spp. On protozooplankton in the Ross Sea, Antarctica.

*Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10258**

**Lynch, Daniel R. and Dennis J. McGillicuddy, Jr.**

Objective analysis for coastal regimes. *Cont.Shelf Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10264**

**Lynch, Daniel R., Christopher E. Naimie, Justin T. Ip, Craig V. Lewis, Francisco E. Werner, Richard Luettich, Brian O. Blanton, John Quinlan, Dennis J. McGillicuddy, Jr., James R. Ledwell, James Churchill, Valery Kosnyrev, Cabell S. Davis, Scott M. Gallagher, Carin J. Ashjian, R. Gregory Lough, James Manning, Charles N. Flagg, Charles G. Hannah, and Robert C. Groman**

Real-time data assimilative modeling on Georges Bank.

*Oceanography*, IN PRESS.

Department of WHOI Author: AOPE and PO.

Contribution Number: **10282**

**Martin, Candace E., Berhard Peucker-Ehrenbrink, Gregg J. Brunskill, and Ron Szymczak.**

Sources and sinks of unradiogenic osmium runoff from Papua, New Guinea.

*Earth Planet.Sci.Lett.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10268**

**McCullom, Thomas M., Jeffrey S. Seewald, and Bernd R. T. Simoneit.**

Reactivity of monocyclic aromatic compounds under hydrothermal conditions.

*Geochim.Cosmochim.Acta*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10270**

**McGillicuddy, Dennis J., Jr. and Valery K. Kosnyrev.**

Dynamical interpolation of mesoscale flows in the TOPEX/Poseidon diamond surrounding the U. S. JGOFS Bermuda Atlantic time-series site. *J.Geophys.Res.-Oceans*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10266**

**McGillicuddy, Dennis J., Jr.**

Models of small-scale patchiness.

In: *Encyclopedia of Ocean Sciences*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10265**

**Moore, Laura and Andrew Solow.**

Evidence of increasing landfall intensity of U. S. hurricanes, 1901-1998.  
*J.Climate*, IN PRESS.  
Department of WHOI Author: MPC. GEOL.  
Contribution Number: **10255**

**Morris, Michele Y., Melinda M. Hall, Louis C. St. Laurent, and Nelson G. Hogg.**

Abyssal mixing in the Brazil Basin. *J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10284**

**Pearson, A., T. I. Eglinton, and A. P. McNichol.**

An organic tracer for surface ocean radiocarbons. *Paleoceanography*, IN PRESS.  
Department of WHOI Author: MCG.  
Contribution Number: **10246**

**Pearson, A. and T. I. Eglinton.**

The origin of *n*-alkanes in Santa Monica Basin sediment: A model based on compound-specific  $\delta^{14}\text{C}$  and  $\delta^{13}\text{C}$  data. *Org.Geochem.*, IN PRESS.  
Department of WHOI Author: MCG.  
Contribution Number: **10245**

**Pickart, Roberts S., Daniel J. Torres, and R. Allyn Clark.**

Hydrography of the Labrador Sea during active convection.  
*J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10249**

**Sell, Anne F., Donna van Keuren, and Laurence P. Madin.**

Predation of omnivorous copepods on early developmental stages of *Calanus finmarchicus* and *Pseudocalanus*. *Limnol.Oceanogr.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **10259**

**Singh, Hanumant, Jonathan Howland, and Oscar Pizarro.**

Large area photomosaicking underwater. *IEEE J.Ocean.Eng.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10288**

**Trowbridge, John and Steve Elgar.**

Turbulence measurements in the surfzone. *J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10275**

**Tyack, Peter.**

Whistling down the waves. *Science*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10273**

---

Compiled by: Maureen Carragher  
MBL/WHOI Library  
library@whoi.edu  
September 6, 2000