



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation – February 2004

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**Anderson, D. M., B. A. Keafer, W. R. Geyer, R. P. Signell, and T. C. Loder**

Toxic *Alexandrium* blooms in the western Gulf of Maine: The "plume advection hypothesis" revisited. *Limnol.Oceanogr.*, IN PRESS.

Department of WHOI Author: BIO. AOPE.

Contribution Number: **11093**

**Eustice, Ryan, Oscar Pizzarro, and Hanumant Singh**

Visually augmented navigation in an unstructured environment using a delayed state history. In: *International Conference on Robotics and Automation (ICRA2004)*, 26 April-1 May 2004, New Orleans, LA., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11106**

**Helfrich, Karl R., and Julia C. Mullarney**

Gravity currents in a rotating channel. *J.Fluid Mech.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11095**

**Hints, E. J., G. P. Allsup, C. F. Eck, D. S. Hosom, M. J. Purcell, A. A. Roberts, D. R. Scott, E. R. Sholkovitz, W. T. Rawlins, P. A. Mulhall, K. Lightner, W. W. McMillan, J. Song, and M. J. Newchurch**

New ozone measurement systems for autonomous operation on ocean buoys and towers. *J.Atmos.Ocean.Technol.*, IN PRESS.

Department of WHOI Author: MCG. PO. AOPE.

Contribution Number: **11101**

**Miller, Patrick J. O., Mark Johnson, Peter L. Tyack, and Eugene A. Terray**

Swimming gaits, passive drag, and buoyancy of diving sperm whales (*Physeter macrocephalus*). *J.Exp.Biol.*, IN PRESS.

Department of WHOI Author: BIO. AOPE.

Contribution Number: **11074**

**Olli, Kalle, Michael G. Neubert, and Donald M. Anderson**

Encystment probability and encystment rate: New terms to quantitatively describe formation of resting cysts in planktonic microbial populations. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11094**

**Peng, Benrog, Huascheng Hong, Xiongzi Xue, and Di Jin**

On the measurement of socioeconomic benefits of integrated coastal management (ICM): Application to Xiamen, China., IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **11109**

**Rauch, S., H. F. Hemond, and B. Peucker-Ehrenbrink**

Source characterisation of atmospheric platinum group elements deposition into an ombrotrophic peat bog. *J.Environ.Monitoring*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11105**

**Reddy, Christopher M., Li Xu, Gregory W. O'Neil, Robert K. Nelson, Timothy I. Eglinton, D. John Faulkner, Ross Norstrom, Peter S. Ross, and Sheryl A. Tittlemier**

Radiocarbon evidence for a naturally produced, bioaccumulating halogenated organic compound. *Environ.Sci.Technol.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11097**

**Richardson, P. L.**

Caribbean current and eddies as observed by surface drifters. *Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11102**

**Samuels, Amy, Iars Bejder, Rochelle Constantine, and Sonja Heinrich**

Swimming with free-ranging cetaceans with a special focus on the Southern Hemisphere. In: *Marine Mammals and Man: Fisheries, Tourism and Management*. N. Gales, M. Hindell, R. Kirkwood, eds. Melbourne, Australia: CSIRO Press, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11068**

**Shillington, Donna J., W. Steven Holbrook, Brian E. Tucholke, John R. Hopper, Keith E. Louden, Hans Christian Larsen, Harm van Avendonk, Sharon Deemer, and Jeremy Hall**

Data report: Marine geophysical data on the Newfoundland nonvolcanic rifted margin around SCREECH transect 2. *Proc. ODP, Init. Repts.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11103**

**Sicre, Marie-Alexandrine, and Edward T. Peltzer**

Lipid geochemistry of remote aerosols from the southwestern Pacific Ocean sector. *Atmos. Environ.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11082**

**Stephen, R. A.**

Numerical modeling of bottom scattering. In: *Proceedings of High-Frequency Ocean Acoustics Conference, March 1-5, 2004, La Jolla, CA*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11099**

**ten Brink, Uri, and Jian Lin**

Stress interaction between subduction earthquakes and forearc strike-slip faults: Modeling and observations. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11108**

**Webster, Sarah E.**

Excavation tool for deep water. In: *Underwater Detection Conference*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11104**

**Wilson, J. Y., S. R. Cooke, M. J. Moore, D. Martineau, I. Mikaelian, D. A. Metner, W. L. Lockhart, and J. J. Stegeman**

Systemic effects of Arctic pollutants in beluga whales indicated by CYP1A1 expression.

*Nature*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11085**

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Compiled by: Ann Devenish  
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library@whoi.edu  
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