



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation – March 2004

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**Amend, J. A., K. J. Edwards, and T. Lyons**

*Biogeochemistry of Sulfur*. GSA publications, IN PRESS.

Department of WHOI Author: MCG.

**Anderson, Donald M., David M. Kulis, Bruce A. Keafer, Kristin E. Gribble, Roman Marin,  
and Christopher A. Scholin**

Identification and enumeration of *Alexandrium* spp. from the Gulf of Maine using molecular probes. *Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11115**

**Boettcher, Margaret S., and Thomas H. Jordan,**

Earthquake scaling relations for mid-ocean ridge transform faults. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11132**

**Caswell, Hal, Takenori Takada, and Christine M. Hunter**

Sensitivity analysis of equilibrium in density-dependent matrix population models. *Ecology Lett.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11110**

**Edwards, Katrina**

Formation and degradation of seafloor hydrothermal sulfide deposits. In: *Biogeochemistry of Sulfur*. J. A. Amend, K. J. Edwards, T. Lyons, eds. GSA publications, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11058**

**Feddersen, Falk, and John Trowbridge**

The effect of wave breaking on surfzone turbulence and alongshore currents.  
*J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **11123**

**Francis, D. T. I., and K. G. Foote**

Anatomy of fish-swimbladder acoustic resonances at high frequencies. In: *Proceedings of 7th European Conference on Underwater Acoustics ECUA 2004, 5-8 July, 2004, Delft, Netherlands*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **11121**

**Francois, Roger**

230Th normalization: An essential tool for interpreting sedimentary fluxes during the late Quaternary. *Paleoceanography*, IN PRESS.  
Department of WHOI Author: MCG.  
Contribution Number: **11053**

**Holtegaard-Nielsen, Morten, Larry Pratt, and Karl Helfrich**

Mixing and entrainment in hydraulically-driven, stratified sill flows. *J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **11117**

**Hsu, Tian-Jian, Steve Elgar, and R. T. Guza**

A wave-resolving approach to modeling onshore sandbar migration. *Geophys.Res.Lett.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **11126**

**Hughen, Konrad A., Timothy I. Eglinton, and Li Xu**

Abrupt tropical vegetation response to rapid climate changes. *Science*, IN PRESS.  
Department of WHOI Author: MCG.  
Contribution Number: **11112**

**Hughen, Konrad A., John R. Southon, Chanda J. H. Bertrand, Brian Frantz, and Paula Zermeno**

Cariaco Basin calibration update: Revisions to calendar and <sup>14</sup>C chronologies for core PL07-58PC. *Radiocarbon*, IN PRESS.  
Department of WHOI Author: MCG.  
Contribution Number: **11128**

**Limeburner, Richard, J. A. Whitehead, and Claudia Cenedese**

Variability of Antarctic bottom water flow into the North Atlantic. *Deep-Sea Res. II*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **11119**

**McManus, J. F., R. Francois, J.-M. Gherardi, L. D. Keigwin, and S. Brown-Leger**

Collapse and rapid resumption of Atlantic meridional circulation linked to abrupt deglacial climate changes. *Nature*, IN PRESS.  
Department of WHOI Author: MCG.  
Contribution Number: **11116**

**Parks, S. E., P. Hamilton, S. D. Kraus, and P. L. Tyack**

The gunshot sound produced by male North Atlantic right whales (*Eubalaena glacialis*) and its potential function in reproductive advertisement. *Mar.Mamm.Sci.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **11107**

**Passamanek, Yale J., and Kenneth J. Halanych**

Evidence from Hox genes that bryozoans are lophotrochozoans. *Evolut.Develop.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **11100**

**Passamanek, Yale J., Christoffer Schnader, and Kenneth M. Halanych**

Investigation of molluscan phylogeny using large-subunit and small-subunit nuclear rRNA sequences. *Mol.Phylogenet.Evol.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **11096**

**Pedlosky, Joseph**

Reply to: A comment on 'A theory of equatorial deep jets'. *J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.

**Pritchard, Mark, and Robert Weller**

Near surface diurnal variability in the Western Equatorial Pacific during persistently low wind stress conditions. *J.Geophys.Res.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **11118**

**Spall, Michael A., and Joseph Pedlosky**

Reflection and transmission of equatorial Rossby waves. *J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **11114**

**Stanton, Timothy K., and Dezhang Chu**

On the acoustic diffraction by the edges of benthic shells. *J.Acoust.Soc.Am.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **11113**

**Tapia, Fabian, Jesus Pineda, Francisco J. Ocampo-Torres, Heidi Fuchs, Ed Parnell, Pauline Montero, and Sergio Ramos**

High-frequency observations of wind-forces onshore transport at a coastal site in Baja, California. *Cont.Shelf Res.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **11098**

**Wells, J. R., and K. R. Helfrich**

A laboratory study of localized boundary mixing in a rotating stratified fluid. *J.Fluid.Mech.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **11120**

**Williams, Albert J., Eugene A. Terray, and Archie T. Morrison, III**

Bottom stress measurements in shallow water under waves. In: *Proceedings of USA - Baltic International Symposium, June 15-17, 2004, Klaipeda, Lithuania*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **11122**

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April 2, 2004