



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation - August 1999

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**Aluwihare, L. I. and D. J. Repeta.**

A comparison of the chemical characteristics of oceanic DOM and extracellular DOM produced by marine algae. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10004**

**Bard, Shannon Mala.**

Multixenobiotic resistance as a cellular defense mechanism in aquatic organisms.

*Aquat.Toxicol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9969**

**Berggren, W. A., M.-P. Aubry, M. van Fossen, D. V. Kent, R. D. Norris,  
and F. Quillevere.**

Integrated paleocene calcareous plankton magnetobiochronology and stable isotope stratigraphy: DSDP Site 384 (NW Atlantic Ocean).

*Paleogeogr.Paleoclimatol.Paleoecol.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9998**

**Bock, Erik J., Tetsu Hara, Nelson M. Frew, and Wade R. McGillis.**

Relationship between air-sea gas transfer and short wind waves.

*J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10006**

**Chapman, David D.**

A numerical study of the adjustment of a narrow stratified current over a sloping bottom. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9994**

**Dewar, William K. and Rui X. Huang.**

On the adjustment of the ventilated thermocline. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9996**

**Frye, Daniel, Bradford Butman, Keith von der Heydt, Mark Johnson,  
Andrew Maffei, and Steven Lerner.**

New technologies for coastal observations. *Sea.Technol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10011**

**Gast, R. J., T. A. McDonnell, and D. A. Caron.**

Sr DNA-based taxonomic affinities of algal symbionts from planktonic foraminifer and a solitary radiolarian. *J.Phycol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9992**

**Geyer, W. Rockwell, P. Hill, T. Milligan, and P. Traykovski.**

The structure of the Eel River plume during floods. *Cont.Shelf Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10005**

**Hill, Richard W., John W. H. Dacey, and Ahser Edward.**

Dimethylsulfoniopropionate in giant clams (Tridacnidae). *Bio.Bull.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9993**

**Hogg, Nelson G.**

Low-frequency variability on the western flanks of the Grand Banks.

*J.Mar.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9995**

**Hogg, Nelson G.**

Deep circulation. *Ocean Circ.Clim.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9997**

**Huber, Brian T., R. Mark Leckie, Richard D. Norris, Timothy J. Bralower,  
and Emily CoBabe.**

Foraminiferal assemblage and stable isotopic change across the Cenomanian-Turonian boundary in the subtropical North Atlantic. *J.Foramin.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Humphris, Susan E. and Margaret K. Tivey.**

A synthesis of geological and geochemical investigations of the TAG hydrothermal field: Insights into fluid flow and mixing processes in a hydrothermal system.

In: *Ophiolites and Ocean Crust, Geological Society of America Special Penrose Volume*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10009**

**McGillis, W. R., J. B. Edson, J. D. Ware, J. E. Hare, C. W. Fairall, J. W. H. Dacey, and R. Wanninkhof.**

Carbon dioxide flux techniques performed during Gas Ex98.

*J.Mar.Chem.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9991**

**Sigman, D. M., M. A. Altabet, D. C. McCorkle, R. Francois, and G. Fischer.**

The  $\delta^{15}\text{N}$  of nitrate in the Southern Ocean: II. Consumption of nitrate in the surface waters. *Global Biogeochem.Cycles*, IN PRESS.

Department of WHOI Author: GEOL. MCG.

Contribution Number: **10007**

**Sigman, D. M., M. A. Altabet, D. C. McCorkle, R. Francois, and G. Fischer.**

The  $\delta^{15}\text{N}$  of nitrate in the Southern Ocean: Nitrogen cycling and circulation in the ocean interior. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL., MCG.

Contribution Number: **10008**

**Smith, Deborah K. and Johnson R. Cann.**

Constructing the upper crust of the Mid-Atlantic Ridge: A reinterpretation based on the Puna Ridge, Kilauea Volcano. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9999**

**Solow, Andrew R.**

Testing for a temperature effect on an early catch record of Icelandic cod.

*Clim.Change*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9989**

**Steele, J. H. and M. Schumacher.**

Ecosystem structure before fishing. *Fish.Res.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9973**

**Stegeman, John J., Jennifer J. Schlezinger, Donald E. Tillitt, and**

**James E. Craddock.**

Cytochrome P450 1A expression in mid-water fishes: Potential effects of organic chemical contaminants in remote oceanic zones. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10003**

**Tivey, M. K., D. S. Stakes, T. L. Cook, M. D. Hannington, and S. Petersen.**

A model for growth of steep-sided vent structures on the Endeavour segment of the Juan de Fuca Ridge: Results of a petrologic and geochemical study.

*J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9937**

**White, Renee D., Damian Shea, Jennifer J. Schlezinger, and John J. Stegeman.**

In vitro metabolism of polychlorinated biphenyl congeners by Beluga whale (*Delphinapterus leucas*) and pilot whale (*Globicephala melas*), and relationship to cytochrom P450 expression. *Comp.Biochem.Physiol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10000**

**Wolfgang, M. J., J. M. Anderson, J. A. Grosenbaugh, D. K. P. Yue, and M. S. Triantafyllou.**

Near-body flow dynamics in swimming fish. *J.Exp.Biol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10002**

**Wylie, Jonathan J., Barry Voight, and J. A. Whitehead.**

Instability of magma flow from volatile-dependent viscosity. *Science*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

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