



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation – December 2000

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**Bach, Wolfgang, Jeffrey C. Alt, Yaoling Niu, Susan E. Humphris, Jorg Erzinger, and Henry J. B. Dick.**

The chemical consequences of late-stage hydrothermal circulation in an uplifted block of lower ocean crust at the SW Indian Ridge: Results from ODP Hole 735B (Leg 176).

*Geochim. Cosmochim. Acta*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10358**

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

Testing a new small-volume technique for determining thorium-234 in seawater.

*J. Radioanal. Nucl. Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10333**

**Chapman, David C.**

Deceleration of a finite-width, stratified current over a sloping bottom: Frictional spindown or buoyancy shutdown? *J. Phys. Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10361**

**Charette, M. A., Ken O. Buesseler, and J. E. Andrews.**

Utility of radium isotopes for evaluating the input and transport of groundwater.

*Limnol. Oceanogr.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10340**

**Hare, Jonathan A., James H. Churchill, Robert K. Cowen, Thomas Berger,  
Peter Cornillon, Paul Dragos, Scott Glenn, John J. Govoni, and Thomas Lee.**

Routes and rates of larval fish transport from the southeastern to the mid-Atlantic North American continental shelf. *Limnol.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10372**

**Hestermann, Eli V., John J. Stegeman, and Mark E. Hahn.**

Relationships among the cell cycle, cell proliferation, and aryl hydrocarbon receptor expression in PLHC-1 cells. *Aquat.Toxicol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10357**

**Hoagland, P. and P. C. Ticco.**

Overview: Marine Policy. In: *Encyclopedia of Ocean Sciences*, J. Steele, S. Thorpe and K. Turekian, eds. Academic Press, London, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10365**

**Hoagland, P., U. R. Sumaila, and S. Farrow.**

Marine protected area. In: *Encyclopedia of Ocean Sciences*, J. Steele, S. Thorpe and K. Turekian, eds. Academic Press, London, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10364**

**Hoagland, P., J. Jacoby, and M. E. Schumacher.**

Overview: Law of the sea. In: *Encyclopedia of Ocean Sciences*, J. Steele, S. Thorpe and K. Turekian, eds. Academic Press, London, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10363**

**Hoefel, F. G. and R. L. Evans.**

Impact of low salinity porewater on seafloor electromagnetic data: A means of detecting submarine groundwater discharge?

*Estuarine Coastal Shelf Sci.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10356**

**Hosford, Allegra, Jian Lin, and Robert S. Detrick.**

Crustal evolution over the last 2 m.y. at the Mid-Atlantic Ridge OH-1 segment.

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

Department of WHOI Author: GEOL.

Contribution Number: **10362**



**Huang, Rui Xin and Xiangze Jin.**

Sea surface elevation and bottom pressure anomalies due to thermohaline forcing, Part I: Isolated perturbations. *J.Phys.Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10360**

**Johns, William E., Tamara L. Townsend, David M. Fratantoni, and W. Douglas Wilson.**

On the Atlantic inflow to the Caribbean Sea. *Deep-Sea Res.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10370**

**Kleindinst, Judith L. and Donald M. Anderson.**

*Pfiesteria*-related educational products and information resources available to the public, health officials and researchers. *Environ.Health Perspect.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **10367**

**Korenaga, J., W. S. Holbrook, R. S. Detrick, and P. B. Kelemen.**

Gravity anomalies and crustal structure at the Southeast Greenland Margin. *J.Geophys.Res.*, IN PRESS.  
Department of WHOI Author: GEOL.  
Contribution Number: **NONE**

**Kujawinski, Elizabeth B., John W. Farrington, and James W. Moffett.**

Marine protozoa produce organic matter with a high affinity for PCBs during grazing. *Environ.Sci.Technol.*, IN PRESS.  
Department of WHOI Author: MCG. ADMIN.  
Contribution Number: **10280**

**McGillis, W. R., J. B. Edson, J. E. Hare, and C. W. Fairall.**

Direct covariance air-sea CO<sub>2</sub> fluxes. *J.Geophys.Res.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10352**

**Moore, M. J., C. A. Miller, M. S. Morss, R. Arthur, W. A. Lange, K. G. Prada, M. K. Marx, E. and A. Frey.**

Ultrasonic measurements of blubber thickness in right whales. *J.Cetacean Res.Manage.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **10351**

**Moreira, Manuel, Cecile Gautheron, Kresten Breddam, Joshua Curtice, and Mark D. Kurz.**

Solar neon in the Icelandic mantle: New evidence for an undegassed lower mantle.

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

Department of WHOI Author: MCG.

Contribution Number: **10332**

**Moreira, Manuel and Mark D. Kurz.**

Helium in the oceanic lithosphere and the origin of the “High u” basalt helium isotopic.

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

Department of WHOI Author: MCG.

Contribution Number: **10317**

**Noyes, T. James, R. T. Guza, Steve Elgar, and T. H. C. Herbers.**

Comparison of methods for estimating nearshore shear wave variance.

*J.Atmos.Oceanic Tech.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10368**

**Pedlosky, J.**

Steady baroclinic flow through ridges with narrow gaps.

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

Department of WHOI Author: PO.

Contribution Number: **10371**

**Quillevere, Frederic, Richard D. Norris, Issam Moussa, and William A. Berggren**

Role of photosymbiosis and biogeography in the diversification of early Palaeogene acarininids (planktonic foraminifera). *Paleobiology*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10369**

**Ruessink, B. G., J. R. Miles, F. Feddersen, R. T. Guza, and S. Elgar.**

Modeling the alongshore current on barred beaches. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10355**

**Sheremet, Vitalii A.**

Inertial gyre driven by a zonal jet emerging from the western boundary.

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

Department of WHOI Author: PO.

Contribution Number: **10373**

**Talley, Wayne K., Di Jin, and Hauke Kite-Powell.**

Vessel accident oil spillage: Post OPA-90. *Transp.Res.Part D*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10354**

**Von Herzen, R., C. Ruppel, M. Nettles, and S. Nagihara.**

A constraint on the shear stress at the Pacific-Australia plate boundary from heat flow and seismicity at the Kermadec Forearc. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10359**

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