



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – March 2003

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Bohnenstiehl, DelWayne R., Maya Tolstoy, Deborah K. Smith, Christopher G. Fox, and Robert P. Dziak

Time-clustering behavior of spreading-center seismicity between 15-35°N on the Mid-Atlantic Ridge: Observations from hydroacoustic monitoring. *Phys. Earth Planet. Inter.*, IN PRESS.
Department of WHOI Author: GEOL.
Contribution Number: **10897**

Bourdon, B., and K. W. W. Sims

U-series constraints on intraplate magmatism. In: *Reviews in Mineralogy and Geochemistry*. Washington, DC: Mineralogical Society of America, IN PRESS.
Department of WHOI Author: GEOL.

Buesseler, Ken

Will ocean fertilization work? *Science*, IN PRESS.
Department of WHOI Author: MCG.

Conte, M. H., T. D. Dickey, J. C. Weber, S. J. Johnson, and A. H. Knap

Transient physical forcing of pulsed export of bioreactive material to the deep Sargasso Sea. *Deep-Sea Res.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10895**

Duda, Timothy F.

Shear variability at 1660 and 2850 decibars over the mid-Atlantic Ridge in the Eastern Brazil Basin. *J. Phys. Oceanogr.*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **10892**

Edwards, K. J., D. R. Rogers, C. O. Wirsen, and T. M. McCollom,

Isolation and characterization of novel psychrophilic, neutrophilic, Fe-oxidizing chemolithoautotrophic alpha- and gamma-proteobacteria from the deep sea.

Appl. Environ. Microbiol., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10875**

Edwards, Katrina J., Wolfgang Bach, and Daniel R. Rogers,

Geomicrobiology of the ocean crust: A role for chemoautotrophic Fe-bacteria. *Biol. Bull.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10876**

Gaetani, G. A., and T. L. Grove

The Subduction Factory. Washington, DC: AGU, IN PRESS.

Department of WHOI Author: GEOL.

Gaetani, G. A., A. J. R. Kent, and T. L. Grove

Mineral/melt partitioning of trace elements during hydrous peridotite partial melting.

Contrib. Mineral. Petrol., IN PRESS.

Department of WHOI Author: GEOL.

Grove, T. L., L. T. Elkins Tanton, S. W. Parman, N. Chatterjee, O. Muentener, and G. A. Gaetani

Fractional crystallization and mantle melting controls on calc-alkaline differentiation trends.

Contrib. Mineral. Petrol., IN PRESS.

Department of WHOI Author: GEOL.

Hoefel, Fernanda, and Steve Elgar

Wave-induced sediment transport and sandbar migration. *Science*, IN PRESS.

Department of WHOI Author: AOPE.

Morrison, J. Ruairidh, and Norman B. Nelson

Seasonal cycle of phytoplankton UV absorption at the Bermuda Atlantic Time-series Study (BATS) site. *Limnol. Oceanogr.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10879**

Mulligan, Ann, and Elazar Uchupi

New interpretation of the glacial history of Cape Cod, Massachusetts, may have important implications for groundwater contaminant transport. *EOS*, IN PRESS.

Department of WHOI Author: MPC. GEOL.

Contribution Number: **10898**

Niehoff, Barbara

Gonad morphology and oocyte development in *Pseudocalanus* spp. in relation to food availability and temperature. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10882**

Petsch, S. T., K. J. Edwards, and T. I. Eglinton

Abundance, distribution and d13C analysis of microbial phospholipid-derived fatty acids in a black shale weathering profile. *Org.Geochem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10877**

Peucker-Ehrenbrink, Bernhard, Wolfgang Bach, Stanley R. Hart, Jerzy S. Blusztajn, and Tracy Abbruzzese

Rhenium-osmium isotope systematics and platinum group element concentrations in oceanic crust from DSDP/ODP sites 504 and 417/418. *Geochem.Geophys.Geosyst.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10894**

Pichat, S., K. W. W. Sims, R. Francois, J. F. McManus, and F. Albarede

Lower biological productivity during glacial periods in the Equatorial Pacific as derived from ($^{231}\text{Pa}/^{230}\text{Th}$)_{xs,0} measurements in deep-sea sediments. *Paleoceanography*, IN PRESS.

Department of WHOI Author: GEOL.

Reagan, M. R., K. W. W. Sims, J. Enrich, R. B. Thomas, H. Cheng, R. L. Edwards, G. Layne, and L. Ball

Old rhyolite progeny from young mafic parents in North American continental arcs. *J.Petrol.*, IN PRESS.

Department of WHOI Author: GEOL.

Rengefors, K., K. C. Ruttenberg, C. L. Hauptert, C. D. Taylor, B. L. Howes, and D. M. Anderson

Experimental investigation of taxon-specific response of alkaline phosphatase activity in natural freshwater phytoplankton. *Limnol.Oceanogr.*, IN PRESS, .

Department of WHOI Author: BIO.

Contribution Number: **10858**

Rensel, J. E., and D. M. Anderson

Effects of phosphatic clay dispersal at a salmon farming site in Puget Sound, Washington. In: *Proceedings of the 10th International Conference on Harmful Algae*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10849**

Schander, Christoffer, and Kenneth M. Halanych

DNA, PCR and formalinized animal tissue - a short review and protocols. *Organisms, Diversity and Evolution*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10866**

Sholkovitz, Edward, Craig Herbold, and Matthew Charette

An automated dye-dilution seepage meter for the time-series measurement of submarine groundwater discharge. *Limnol.Oceanogr.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10891**

Sims, K. W. W., J. Blichert-Toft, D. Fornari, M. R. Perfit, S. Goldstein, P. Johnson, D. J. DePaola, and P. Michaels

Aberrant youth: Chemical and isotopic constraints on the young off-axis lavas of the East Pacific Rise. *Geochem.Geophys.Geosyst.*, IN PRESS.

Department of WHOI Author: GEOL.

Solow, Andrew R., and Andrew R. Beet

A test for a regime shift. *Fish.Oceanogr.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10896**

Weinberg, James R., Thomas G. Dahlgren, Nan Trowbridge, and Kenneth M. Halanych

Genetic differences within and between species of deep-sea crabs (Chaceon) from the North Atlantic Ocean. *Biol.Bull.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10865**

Wilson, D. Keith, George V. Frisk, Timothy E. Lindstrom, and Cynthia J. Sellers

Measurement and prediction of ultra-low frequency ocean ambient noise off the eastern U.S. coast. *J.Acoust.Soc.Am.*, IN PRESS

Department of WHOI Author: AOPE.

Contribution Number: **10893**

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