



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles Received in March 2004

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**Note: Access to online articles may be limited to the Woods Hole scientific community**

**Bach, Wolfgang, Stephen Roberts, David A. Vanko, Ray A. Binns, Chris J. Yeats, Paul R. Craddock, and Susan E. Humphris**

Controls of fluid chemistry and complexation on rare-earth element contents of anhydrite from the Pacmanus seafloor hydrothermal system, Manus Basin, Papua New Guinea.

*Miner.Deposita*, 38:916-935, 2003.

Department of WHOI Author: MCG. GEOL.

Contribution Number: **10661**

**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.*, 138:147-161, 2003.

DOI: 10.1016/S0031-9201(03)00113-4

[Link to online article](#)

Department of WHOI Author: GEOL.

Contribution Number: **10897**

**Bracco, Annalisa, Eric P. Chassignet, Zulema D. Garraffo, and Antonello Provenzale**

Lagrangian velocity distributions in a high-resolution numerical simulation of the North Atlantic.

*J.Atmos.Ocean.Technol.*, 20:1212-1220, 2003.

DOI: 10.1175/1520-0426(2003)020<1212:LVDIAH>2.0.CO;2

[Link to online article](#)

Department of WHOI Author: PO.

Contribution Number: **10581**

**Brasse, Heinrich, Pamela Lazaeta, Volker Rath, Katrin Schwalenberg, Wolfgang Soyer, and Volker Haak**

The Bolivian Altiplano conductivity anomaly. *J.Geophys.Res.*, 107(B5), 2096,  
doi:10.1029/2001JB000391, 2002.

DOI: 10.1029/2001JB000391

[Link to online article](#)

Department of WHOI Author: AOPE.

**Chave, Alan D., Douglas S. Luther, and Christopher S. Meinen**

Correction of motional electric field measurements for galvanic distortion.  
*J.Atmos.Ocean.Technol.*, 21:317-330, 2004.

DOI: 10.1175/1520-0426(2004)021<0317:COMEFM>2.0.CO;2

[Link to online article](#)

Department of WHOI Author: AOPE.

Contribution Number: **10977**

**Drenzek, Nicholas J., Timothy I. Eglinton, Carl O. Wirsen, Neil C. Sturchio, Linnea J. Heraty, Kevin R. Sowers, Qingzhong Wu, Harold D. May, and Christopher M. Reddy**

Invariant chlorine isotopic signatures during microbial PCB reductive dechlorination.  
*Environ.Pollut.*, 128:445-448, 2004.

DOI: 10.1016/j.envpol.2003.09.006

[Link to online article](#)

Department of WHOI Author: MCG. BIO.

Contribution Number: **11041**

**Geist, Dennis, William M. White, Francis Albarede, Karen Harpp, Robert Reynolds, Janne Blichert-Toft, and Mark D. Kurz**

Volcanic evolution in the Galapagos: The dissected shield of Volcan Ecuador.  
*Geochem.Geophys.Geosyst.*, 3, 1061, doi:10.1029/2002GC000355, 2002.

DOI: 10.1029/2002GC000355

[Link to online article](#)

Department of WHOI Author: MCG.

**Gregg, Tracy K. P., and Deborah K. Smith**

Volcanic investigations of the Puna Ridge, Hawai'i: Relations of lava flow morphologies and underlying slopes. *J.Volcanol.Geotherm.Res.*, 126:63-77, 2003.

DOI: 10.1016/S0377-0273(03)00116-1

[Link to online article](#)

Department of WHOI Author: GEOL.

**Hints, Eric J., John W. H. Dacey, Wade R. McGillis, James B. Edson, Christopher J. Zappa, and Hendrick J. Zemmelen**

Sea-to-air fluxes from measurements of the atmospheric gradient of dimethylsulfide and comparison with simultaneous relaxed eddy accumulation measurements. *J. Geophys. Res.*, 109, C01026, doi:10.1029/2002JC001617, 2004.

DOI: 10.1029/2002JC001617

[Link to online article](#)

Department of WHOI Author: AOPE.

Contribution Number: **10813**

**Kase, R. H., J. B. Girton, and T. B. Sanford**

Structure and variability of the Denmark Strait overflow: model and observations. *J. Geophys. Res.*, 108(C6), 3181, doi:10.1029/2002JC001548, 2003.

DOI: 10.1029/2002JC001548

[Link to online article](#)

Department of WHOI Author: PO.

Contribution Number: **10817**

**Kelemen, P. B., K. Hanghoj, and A. R. Greene**

One view of the geochemistry of subduction-related magmatic arcs, with an emphasis on primitive andesite and lower crust. In: *Treatise on Geochemistry*. Heinrich D. Holland and Karl K. Turekian, eds. New York, NY: Elsevier, 3:593-659, 2003.

Department of WHOI Author: GEOL.

**Koopman, H. N., S. J. Iverson, and A. J. Read**

High concentrations of isovaleric acid in the fats of odontocetes: Variation and patterns of accumulation in blubber vs. stability in the melon. *J. Comp. Physiol. B*, 173:247-261, 2003.

DOI: 10.1007/s00360-003-0329-9

[Link to online article](#)

Department of WHOI Author: BIO.

Contribution Number: **10683**

**Kormas, Konstantinos Ar., David C. Smith, Virginia Edgcomb, and Andreas Teske**

Molecular analysis of deep subsurface microbial communities in Nankai Trough sediments (ODP Leg 190, Site 1176). *FEMS Microbiol. Ecol.*, 45:115-125, 2003.

DOI: 10.1016/S0168-6496(03)00128-4

[Link to online article](#)

Department of WHOI Author: BIO.

Contribution Number: **10914**

**Kremp, A., D. H. Shull, and D. M. Anderson**

Effects of deposit-feeder gut passage and fecal pellet encapsulation on germination of dinoflagellate resting cysts. *Mar.Ecol.Prog.Ser.*, 263:65-73, 2003.

[Link to online article](#)

Department of WHOI Author: BIO.

Contribution Number: **11015**

**Macdonald, A. M., M. O'Neil Baringer, R. Wanninkhof, K. Lee, and D. W. R. Wallace**

A 1998–1992 comparison of inorganic carbon and its transport across 24.5°N in the Atlantic. *Deep-Sea Res.II*, 50:3041-3064, 2003.

DOI: 10.1016/j.dsr2.2003.07.009

[Link to online article](#)

Department of WHOI Author: PO.

Contribution Number: **10751**

**Miyazaki, Shin'ichi, Jeffrey J. McGuire, and Paul Segall**

A transient subduction zone slip episode in southwest Japan observed by the nationwide GPS array. *J.Geophys.Res.*, 108(B2), 2087, doi:10.1029/2001JB000456, 2003.

DOI: 10.1029/2001JB000456

[Link to online article](#)

Department of WHOI Author: GEOL.

**Moore, Sue E., William A. Watkins, Jeremy Davies, Mary Ann Daher, and Marilyn Dahlheim**

Blue whale habitat associations in the Northwest Pacific: Analysis of remotely-sensed data using a geographic information system. *Oceanography*, 15(3):20-25, 2002.

[Link to online article](#)

Department of WHOI Author: BIO.

Contribution Number: **10498**

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

Abundance, distribution and d<sup>13</sup>C analysis of microbial phospholipid-derived fatty acids in a black shale weathering profile. *Org.Geochem.*, 34:731-743, 2003.

DOI: 10.1016/S0146-6380(03)00040-8

[Link to online article](#)

Department of WHOI Author: MCG.

Contribution Number: **10877**

**Raubenheimer, B., Steve Elgar, and R. T. Guza**

Observations of swash zone velocities: A note on friction coefficients. *J.Geophys.Res.*, 109,C01027,doi:10.1029/2003JC001877, 2004.

DOI: 10.1029/2003JC001877

[Link to online article](#)

Department of WHOI Author: AOPE.

**Sohn, Robert A., Andrew H. Barclay, and Spahr C. Webb**

Microearthquake patterns following the 1998 eruption of Axial volcano, Juan de Fuca Ridge: Mechanical relaxation and thermal strain. *J.Geophys.Res.*, 109, B01101, doi:10.1029/2003JB002499, 2004.

DOI: 10.1029/2003JB002499

[Link to online article](#)

Department of WHOI Author: GEOL.

**Solow, Andrew R.**

Characterizing the error in the estimated age-depth relationship. *Radiocarbon*, 45:501-506, 2003.

[Link to online article](#)

Department of WHOI Author: MPC.

Contribution Number: **10684**

**Ward, Brian, Rik Wanninkhof, Peter J. Minnett, and Michael J. Head**

SkinDeEP: A profiling instrument for upper-decameter sea surface measurements. *J.Atmos.Ocean.Technol.*, 21:207-222, 2004.

DOI: 10.1175/1520-0426(2004)021<0207:SAPIFU>2.0.CO;2

[Link to online article](#)

Department of WHOI Author: AOPE.

**Warren, Josphe D., Timothy K. Stanton, Peter H. Wiebe, and Harvey E. Seim**

Inference of biological and physical parameters in an internal wave using multiple-frequency, acoustic-scattering data. *ICES J.Mar.Sci.*, 60:1033-1046, 2003.

DOI: 10.1016/S1054-3139(03)00121-8

[Link to online article](#)

Department of WHOI Author: AOPE. BIO.

Contribution Number: **10940**

**Weller, Robert A., Frank Bradley, and Roger Lukas**

The interface or air-sea flux component of the TOGA coupled ocean-atmosphere response experiment and its impact of future air-sea interaction studies. *J.Atmos.Ocean.Technol.*, 21:223-257, 2004.

DOI: 10.1175/1520-0426(2004)021<0223:TIOAFC>2.0.CO;2

[Link to online article](#)

Department of WHOI Author: PO.

Contribution Number: **10790**

**Zappa, Christopher J., Peter A. Raymond, Eugene A. Terray, and Wade R. McGillis**

Variation in surface turbulence and the gas transfer velocity over a tidal cycle in a macro-tidal estuary. *Estuaries*, 26:1401-1415, 2003.

[Link to online article](#)

Department of WHOI Author: AOPE.

Contribution Number: **10720**

**Zemmelink, Hendrik J., Winfried W. C. Gieskes, Wim Klaassen, Wim J. Beukema, Henk W. de Groot, Hein J. W. de Baar, Eric J. Hintsa, Wade R. McGillis, and John W. H. Dacey**

Relaxed eddy accumulation measurements of the sea-to-air transfer of dimethylsulfide over the northeastern Pacific. *J.Geophys.Res.*, 109, C01025, doi:10.1029/2002JC001616, 2004.

DOI: 10.1029/2002JC001616

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Department of WHOI Author: AOPE. MCG.

Contribution Number: **10812**

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