



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles Received in June 2003

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**Band-Schmidt, C. J., C. H. Lechuga-Deveze, D. M. Kulis, and D. M. Anderson**

Culture studies of *Alexandrium* affine (Dinophyceae), a non-toxic cyst forming dinoflagellate from Bahia Concepcion, Gulf of California. *Bot.Mar.*, 46:44-54, 2003.  
Department of WHOI Author: BIO.  
Contribution Number: **10763**

**Behn, Mark D., Jian Lin, and Maria T. Zuber**

Evidence for weak oceanic transform faults. *Geophys.Res.Lett.*, 29(24),2207,doi:10.1029/2002GL015612, 2002.  
Department of WHOI Author: GEOL.  
Contribution Number: **10739**

**Chapman, David C.**

Comment on "Cross-shelf eddy heat transport in a wind-free coastal ocean undergoing winter time cooling" by J. M. Pringle. *J.Geophys.Res.*, 108(C2),3026,doi:10.1029/2001JC001286, 2003.  
Department of WHOI Author: PO.  
Contribution Number: **10638**

**Clift, Peter, Christoph Gaedicke, Rosemary Edwards, Jae Il Lee, Peter Hildebrand, Shahid Amjad, Robert S. White, and Hans-Ulrich Schuller**

The stratigraphic evolution of the Indus Fan and the history of sedimentation in the Arabian Sea. *Mar.Geophys.Res.*, 23:223-245, 2002.  
Department of WHOI Author: GEOL.  
Contribution Number: **10792**

**Conte, Maureen H., John C. Weber, Peter J. Carlson, and Lawrence B. Flanagan**

Molecular and carbon isotopic composition of leaf wax in vegetation and aerosols in a northern prairie ecosystem. *Oecologia*, 135:67-77, 2003.

Department of WHOI Author: MCG.

Contribution Number: **10842**

**Dhillon, Ashita, Andreas Teske, Jesse Dillon, David A. Stahl, and Mitchell L. Sogin**

Molecular characterization of sulfate-reducing bacteria in the Guaymas Basin.

*Appl.Environ.Microbiol.*, 69:2765-2772, 2003.

Department of WHOI Author: BIO.

Contribution Number: **10905**

**Doney, Scott C., David M. Glover, Scott J. McCue, and Montserrat Fuentes**

Mesoscale variability of Sea-viewing Wide Field-of-view Sensor (SeaWiFS) satellite ocean color: Global patterns and spatial scales. *J.Geophys.Res.*,

108(C2),3024,doi:10.1029/2001JC000843, 2003.

Department of WHOI Author: MCG.

Contribution Number: **10861**

**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.*, 69:2906-2913, 2003.

Department of WHOI Author: MCG.

Contribution Number: **10875**

**Elgar, Steve, B. Raubenheimer, and T. H. C. Herbers**

Bragg reflection of ocean waves from sandbars. *Geophys.Res.Lett.*,

30(1),1016,doi:10.1029/2002GL016351, 2003.

Department of WHOI Author: AOPE.

Contribution Number: **10826**

**Francois, Roger, Susumu Honjo, Richard Krishfield, and Steve Manganini**

Factors controlling the flux of organic carbon to the bathypelagic zone of the ocean. *Global Biogeochem.Cycles*, 16(4),1087,doi:10.1029/2001GB001722, 2002.

Department of WHOI Author: MCG. GEOL.

Contribution Number: **10628**

**Golden, Charles E., Spahr C. Webb, and Robert A. Sohn**

Hydrothermal microearthquake swarms beneath active vents at Middle Valley, northern Juan de Fuca Ridge. *J.Geophys.Res.*, 108(B1),2027,doi:10.1029/2001JB000226, 2003.

Department of WHOI Author: GEOL.

**Gramling, C. M., D. C. McCorkle, A. E. Mulligan, and T. L. Woods**

A carbon isotope method to quantify groundwater discharge at the land-sea interface.

*Limnol.Oceanogr.*, 48:957-970, 2003.

Department of WHOI Author: GEOL.

Contribution Number: **10622**

**Hunt, Heather L., D. Archie McLean, and Lauren S. Mullineaux**

Post-settlement alteration of spatial patterns of soft shell clam (*Mya arenaria*) recruits.

*Estuaries*, 26(1):72-81, 2003.

Department of WHOI Author: BIO.

Contribution Number: **10787**

**Jayne, Steven R., John M. Wahr, and Frank O. Bryan**

Observing ocean heat content using staellite gravity and altimetry. *J.Geophys.Res.*,

108(C2),3031,doi:10.1029/2002JC001619, 2003.

Department of WHOI Author: PO.

Contribution Number: **10840**

**Joyce, Terrence M., and Jane Dunworth-Baker**

Long-term hydrographic variability in the Northwest Pacific Ocean. *Geophys.Res.Lett.*,

30(2),1043,doi:10.1029/2002GL015225, 2003.

Department of WHOI Author: PO.

Contribution Number: **10665**

**Lefevre, M., A. Vezina, M. Levasseur, and J. W. H. Dacey**

A model of dimethylsulfide dynamics for the subtropical North Atlantic. *Deep-Sea Res.I*,

49:2221-2239, 2002.

Department of WHOI Author: BIO.

**Milkov, Alexei V., Roger Sassen, Tatiyane V. Apanasovich, and Farid G. Dadashev**

Global gas flux from mud volcanoes: A significant source of fossil methane in the atmosphere and the ocean. *Geophys.Res.Lett.*, 30(2),1037,doi:10.1029/2002GL016358, 2003.

Department of WHOI Author: GEOL.

Contribution Number: **10782**

**Montesi, Laurent G. J., and Maria T. Zuber**

Spacing of faults at the scale of the lithosphere and localization instability: 1. Theory. *J.Geophys.Res.*, 108(B2),2110,doi:10.1029/2002JB001923, 2003.  
Department of WHOI Author: GEOL.

**Moore, Laura J., Charlene Sullivan, and David G. Aubrey**

Interannual evolution of multiple longshore sand bars in a mesotidal environment, Truro, Massachusetts, USA. *Mar.Geol.*, 196:127-143, 2003.  
Department of WHOI Author: GEOL.  
Contribution Number: **10141**

**Pawlowicz, Rich, Bob Beardsley, and Steve Lentz**

Classical tidal harmonic analysis including error estimates in MATLAB using T\_TIDE. *Comput.Geosci.*, 28:929-937, 2002.  
Department of WHOI Author: PO.

**Rasmussen, Tine L., Delia W. Oppo, Erik Thompson, and Scott J. Lehman**

Deep sea records from the southeast Labrador Sea: Ocean circulation changes and ice-rafting events during the last 160,000 years. *Paleoceanography*, 18(1),1018,doi:10.1029/2001PA000736, 2003.  
Department of WHOI Author: GEOL.

**Rosenthal, Yair, Delia W. Oppo, and Braddock K. Linsley**

The amplitude and phasing of climate change during the last deglaciation in the Sulu Sea, western equatorial Pacific. *Geophys.Res.Lett.*, 30(8),1428,doi:10.1029/2002GL016612, 2003.  
Department of WHOI Author: GEOL.  
Contribution Number: **10850**

**Schmitt, R. W.**

Observational and laboratory insights into salt finger convection. *Prog.Oceanogr.*, 56:419-433, 2003.  
Department of WHOI Author: PO.

**Skinner, M. W., D. R. Ketten, L. K. Holden, B. R. Whiting, K. T. Bae, L. T. Cohen, J. G. Neely, G. A. Gates, P. G. Smith, and G. R. Kletzker**

Is there a relation between speech recognition and the position of cochlear implant electrodes in the inner ear? *Semin.Hear.*, 23(1):97-98, 2002.  
Department of WHOI Author: BIO.

**Sloyan, Bernadette M., Gregory C. Johnson, and William S. Kessler**

The Pacific Cold Tongue: A pathway for interhemispheric exchange. *J.Phys.Oceanogr.*, 33:1027-1043, 2003.

Department of WHOI Author: PO.

**Straneo, Fiammetta, Robert S. Pickart, and Kara Lavender**

Spreading of Labrador Sea water: An advective-diffusive study based on Lagrangian data. *Deep-Sea Res.I*, 50:701-719, 2003.

Department of WHOI Author: PO.

Contribution Number: **10714**

**Swart, P. K., S. Thorrold, B. Rosenheim, A. Eisenhauer, C. G. A. Harrison, M. Grammer, and C. Latkoczy**

Intra-annual variation in the stable oxygen and carbon and trace element composition of sclerosponges. *Paleoceanography*, 17(3),1045,doi:10.1029/2000PA000622, 2002.

Department of WHOI Author: BIO.

**Whitehead, J. A.**

Corrigendum - Constant potential vorticity hydraulically controlled flow - complexities from passage shape. *J.Phys.Oceanogr.*, 33:1142, 2003.

Department of WHOI Author: PO.

Contribution Number: **10900**

**Whitehead, J. A., M. L. E. Timmermans, W. Gregory Lawson, Sergey N. Bulgakov, Alejandro Martinez Zatarain, Jaime F. Almaguer Medina, and John Salzig**

Laboratory studies of thermally and/or salinity driven flows with partial mixing 1. Stommel transitions and multiple flow states. *J.Geophys.Res.*,

108(C2),3036,doi:10.1029/2001JC000902, 2003.

Department of WHOI Author: PO.

Contribution Number: **9921**

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

Measurement and prediction of ultralow frequency ocean ambient noise off the eastern U.S. coast. *J.Acoust.Soc.Am.*, 113(6):3117-3133, 2003.

Department of WHOI Author: AOPE.

Contribution Number: **10893**

**Yang, Jiayan**

On the importance of resolving the western boundary layer in wind-driven ocean general circulation models. *Ocean Modelling*, 5:357-379, 2003.

Department of WHOI Author: PO.

Contribution Number: **9636**

**Yang, Jiayan, and Terrance M. Joyce**

How do high-latitude North Atlantic climate signals the crossover between the Deep Western Boundary Current and the Gulf Stream? *Geophys.Res.Lett.*, 30(2),1070,doi:10.1029/2002GL015366, 2003.

Department of WHOI Author: PO.

Contribution Number: **10822**

**Ye, Zhen, and Dezhang Chu**

Comment on "Multiple scattering in a reflecting cavity: Application to fish counting in a tank" [J.Acoust.Soc.Am. 109, 2587-2597 (2001)] (L). *J.Acoust.Soc.Am.*, 113(6):2978-2979, 2003.

Department of WHOI Author: AOPE.

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