



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation – August 2002

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#### **Bach, Wolfgang, Bernhard Peucker-Ehrenbrink, Stanley R. Hart, and Jerzy S. Blusztajn.**

Geochemistry of hydrothermally altered ocean crust: Hole 504B - Implications for seawater-crust exchange budgets and Sr- and Pb-isotopic evolution of the mantle.

*Geochem. Geophys. Geosyst.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10801**

#### **Cenedese, C., J. A. Whitehead, T. A. Ascarelli, and M. Ohiwa.**

A dense current flowing down a sloping bottom in a rotating fluid. *J. Phys. Oceanog.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10804**

#### **Cenedese, Claudia**

Laboratory experiments on mesoscale vortices colliding with a seamount.

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

Department of WHOI Author: PO.

Contribution Number: **NONE**

#### **Chapman, David C.**

Separation of an advectively trapped buoyancy current at a bathymetric bend.

*J. Phys. Oceanog.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10803**

**Chu, Dezhang, Kenneth G. Foote, and Larry Hufnagle.**

Measurement of multibeam sonar directivity patterns. *Oceans '02*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10807**

**Clift, P.D., R. Hannigan, J. Blusztajn, and A. E. Draut.**

Geochemical evolution of the Dras-Kohistan Arc during collision with Eurasia: evidence from the Ladakh Himalaya, India. *Island Arc*, IN PRESS.  
Department of WHOI Author: GEOL.  
Contribution Number: **10771**

**Clift, Peter, Jian Lin, and Udo Barckhausen.**

Evidence of low flexural rigidity and low viscosity lower continental crust during continental break-up in the South China Sea. *Mar.Petroleum Geol.*, IN PRESS.  
Department of WHOI Author: GEOL.  
Contribution Number: **10814**

**Clift, Peter D., Hans Schouten, and Amy E. Draut.**

A general model of arc-continent collision and subduction polarity reversal from Taiwan and the Irish Caledonides. *Geol.Soc.London, Spec.Pub.*, IN PRESS.  
Department of WHOI Author: GEOL.  
Contribution Number: **10772**

**Doherty, Kenneth W., Terrence R. Hammar, and Kenneth G. Foote.**

Transducer mounting and rotating system for calibrating sonars in a sea well. *Oceans 2002*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10805**

**Draut, Amy E., Peter D. Clift, Robyn E. Hannigan, Graham Layne, and Nobumichi Shimizfu.**

A model for continental crust genesis by arc accretion: rare earth element evidence from the Irish Caledonides. *Earth Planet.Sci.Lett.*, IN PRESS.  
Department of WHOI Author: GEOL.  
Contribution Number: **10770**

**Garcia, Xavier, David Boerner, and Laust B. Pedersen.**

Full galvanic distortion decomposition of tensor CSAMT data: application to data from the Buchans Mine (Newfoundland, Canada). *Geophys.J.Int.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10773**

**Green, Rebecca E., Heidi M. Sosik, and Robert J. Olson.**

Phytoplankton and non-phytoplankton particle properties and contributions to inherent optical properties in New England continental shelf waters. *Limnol.Oceanog.*, IN PRESS.

Department of WHOI Author: BIOL.

Contribution Number: **10769**

**McDonald, Glenn and Matt Naiman.**

Heat transfer advances for submerged oceanographic systems. *Oceans 2002*, IN PRESS.

Department of WHOI Author: BIOL.

Contribution Number: **10777**

**Morrison, Archie T. III, Albert J. Williams III, Andrew W. Waterbury, and Colin M. Tierney.**

Analog output from a differential travel-time current meter. *Oceans 2002, IEEE Proceedings*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10775**

**Polzin, K. L., E. Kunze, J. M. Toole, and R. W. Schmitt.**

The partition of finescale energy into internal waves and subinertial motions. *J.Phys.Oceanog.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10802**

**Reddy, Christopher M., Timothy I. Eglinton, Aubrey Hounshell, Helen K. White, Li Xu, Richard B. Gaines, and Glenn S. Fryxinger.**

The West Falmouth oil spill after thirty years: The persistence of petroleum hydrocarbons in marsh sediments. *Environ.Sci.Technol.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10811**

**Spall, Michael A.**

On the thermohaline circulation in semi-enclosed marginal seas. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10808**

**Sperry, B., J. Lynch, G. Gawarkiewicz, C. Chiu, and A. Newhall.**

Characteristics of acoustic propagation to the eastern vertical line array receiver during the summer 1996 New England Shelfbreak PRIMER experiment. *IEEE*

*J.Ocean.Eng.*, IN PRESS.

Department of WHOI Author: AOPE. PO.

Contribution Number: **10810**

**Thwaites, F. T. and C. S. Davis.**

Development of a towed, flyable fish for the Video Plankton Recorder. *Oceans 2002*, IN PRESS.

Department of WHOI Author: BIOL.

Contribution Number: **10778**

**Warren, Bruce A.**

The first law of thermodynamics in a salty ocean. *J.Marine Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10776**

**Williams, Albert J. III, Tor Bjorklund, and Allan Zemanovic.**

Pipe MAVs, a deep-ocean flowmeter. *Oceans 2002, IEEE Proceedings*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10774**

**Williams, Albert J., 3rd**

Intercomparison of MAVS with VACM, VMCM, FSI 2-D, and Aanderaa RCM 11 current meters from a mooring. *Oceans '02*, IN PRESS.

Department of WHOI Author: AOPE

Contribution Number: **10800**

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