



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles Received in June 1999

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**Abnet, Christian C., Robert L. Tanguay, Mark E. Hahn, Warren Heideman, and Richard E. Peterson.**

Two forms of aryl hydrocarbon receptor type 2 in rainbow trout (*Oncorhynchus mykiss*): Evidence for differential expression and enhancer specificity.

*J.Biol.Chem.*, 274(21):15159-15166, 1999.

Department of WHOI Author: BIO.

Contribution Number: **9742**

**Andre, M., C. Kamminga, and D. Ketten.**

Are low frequency sounds a marine hearing hazard: A case study in the Canary Islands. In: *Underwater Bio-Sonar and Bioacoustics Symposium, Loughborough University, 16-17 December 1997, Proceedings*. Institute of Acoustics, St. Albans, U.K., 19(9):77-84, 1997.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Benitez-Nelson, Claudia R., and Ken O. Buesseler.**

Phosphorus 32, phosphorus 37, beryllium 7, and lead 210: Atmospheric fluxes and utility in tracing stratosphere/troposphere exchange.

*J.Geophys.Res.*, 104(D9):11745-11754, 1999.

Department of WHOI Author: MCG.

Contribution Number: **9705**

**Buesseler, K. O. and H. D. Livingston.**

Natural and man-made radionuclides in the Black Sea. In: *Radionuclides in the Oceans: Inputs and Inventories*, P. Guéguéniat, P. Germain and H. Métivier, eds., Les Ulis, Les Editions de Physique, France, 1996., :199-217, 1996.

Department of WHOI Author: MCG.

Contribution Number: **9258**

**Dunn, Robert, Lauren S. Mullineaux, and Susan W. Mills.**

Resuspension of postlarval soft-shell clams *Mya arenaria* through disturbance by the mud snail *Illyanassa obsoleta*. *Mar.Ecol.Prog.Ser.*, 180:223-232, 1999.

Department of WHOI Author: BIO.

Contribution Number: **9828**

**Fratantoni, David M. and Philip L. Richardson.**

SOFAR float observations of an intermediate-depth eastern boundary current and mesoscale variability in the eastern tropical Atlantic Ocean.

*J.Phys.Oceanogr.*, 29:1265-1278, 1999.

Department of WHOI Author: PO.

Contribution Number: **9691**

**Gawarkiewicz, Glen, Gennady Korotaev, Sergey Stanichny, Leonid Repetin, and Dmitry Soloviev.**

Synoptic upwelling and cross-shelf transport processes along the Crimean Coast of the Black Sea. *Cont.Shelf Res.*, 19:977-1005, 1999.

Department of WHOI Author: PO.

Contribution Number: **9584**

**Irish, James D., Walter Paul, Jeffrey N. Shaumeyer, and Carl C. Gaither, III.**

Next-generation ocean observing buoy. *Sea Technol.*, :37-43, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Jin, Di and Hauke L. Kite-Powell.**

On the optimal environmental liability limit for marine oil transport.

*Trans.Res.Part E*, 35:77-100, 1999.

Department of WHOI Author: MPC.

Contribution Number: **9254**

**Ketten, Darlene R.**

Marine mammal hearing and acoustic trauma: Basic mechanisms, marine adaptations, and beaked whale anomalies.

In: *Summary Record, SACLANTCEN Bioacoustic Panel, La Spezia, Italy, 15-17 June 1998, SACLANTCEN M-133*. A. D'Amico, ed., NATO/SACLANT Undersea Research Centre, LaSpezia, Italy, :2-63-2-78, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Ketten, Darlene R.**

Marine mammal ears: An anatomical perspective on underwater hearing. In: *16th International Congress on Acoustics and 135th Meeting Acoustic Society of America. The Sound of the Future: A Global View of Acoustics in the 21st Century. Seattle, WA, 20-26 June 1998*, Patricia K. Kuhl and Lawrence A. Crum, eds., Acoustical Society of America, Woodbury, NY, III:1657-1660, 1998.  
Department of WHOI Author: BIO.  
Contribution Number: **NONE**

**Ketten, Darlene R.**

Structure and function in whale ears. *Bioacoustics*, 8:103-135, 1997.  
Department of WHOI Author: BIO.  
Contribution Number: **NONE**

**Leichter, James and Steven Miller.**

Predicting high frequency upwelling: Spatial and temporal patterns of temperature anomalies on a Florida coral reef. *Cont.Shelf Res.*, 19:911-928, 1999.  
Department of WHOI Author: BIO.  
Contribution Number: **9871**

**Minor, Elizabeth C., Timothy Eglinton, Jaap J. Boon, and Robert Olson.**

A protocol for the characterization of oceanic paraticles via flow cytometric sorting and direct temperature-resolved mass spectrometry.  
*Anal.Chem.*, 71(10):2003-2013, 1999.  
Department of WHOI Author: MCG. BIO.  
Contribution Number: **9865**

**Nyffeler, F., A. A. Cigna, H. Dahlgard, and H. D. Livingston.**

Radionuclides in the Atlantic Ocean: A survey. In: *Radionuclides in the Oceans: Inputs and Inventories*, P. Guéguéniat, P. Germain and H. Métivier, eds., Les Ulis, Les Editions de Physique, France, 1996., :1-28, 1996.  
Department of WHOI Author: MCG.  
Contribution Number: **NONE**

**Payne, Richard E. and Steven P. Anderson.**

A new look at calibration and use of Eppley precision infrared radiometers. Part II:calibration and use of the Woods Hole Oceanographic Institution improved meteorology precision infrared radiometer.  
*J.Atmos.Oceanic Tech.*, 16:739-751, 1999.  
Department of WHOI Author: PO.  
Contribution Number: **9723**

**Ralston, Rick, Margaret A. Rioux, and Kathryn D. Ellis.**

With feet planted firmly in mid-air: Staff training for automation system migration. In: *Head in the Clouds, Feet on the Ground. Proceedings of the North American Serials Interest Group, Inc., 13th Annual Conference, June 18-21, 1998, University of Colorado, Boulder, Colorado*, Jeffrey S. Bullington, Beatrice L. Caraway, and Beverley Geer, Haworth Press, NY, :407-413 and *The Serials Librarian* 36(3/4):407-413, 1999.  
Department of WHOI Author: ADMIN.  
Contribution Number: **NONE**

**Seewald, J. S.**

Mineral redox buffers and the stability of organic compounds under hydrothermal conditions. *Mat.Res.Soc.Symp.Proc.*, 432:317-331, 1997.  
Department of WHOI Author: MCG.  
Contribution Number: **9473**

**Smith, Deborah K., Maurice A. Tivey, and Hans Schouten.**

Locating the spreading axis along 80 km of the Mid-Atlantic Ridge south of the Atlantis Transform. *J.Geophys.Res.*, 104(B4):7599-7612, 1999.  
Department of WHOI Author: GEOL.  
Contribution Number: **9870**

**Weller, Robert A. and Stephen P. Anderson.**

Atmospheric forcing and oceanic response in TOGA COARE. In: *Eighth Conference on Air-Sea Interaction and Symposium on GOALS, 28 Jan - 2 Feb, 1996, Atlantia, GA.*, American Meteorological Society, Boston, MA, :J90-J94, 1996.  
Department of WHOI Author: PO.  
Contribution Number: **NONE**

**Whelan, Jean K., Lorraine B. Eglinton, Jeffrey Seewald, P. Meulbroek, J. Sosha, Larry M. Cathles, David Darby, and John M. Hunt.**

Sedimentary hydrocarbon and asphalt gradients through the top of overpressure. Organic geochemical evidence for dynamic creation and maintenance of pressure seals. In: *Overpressures in Petroleum Exploration - Proc. Workshop Pau, April 7th-8th, 1998; Bull.Centre Rech. Elf Explor.Prod., Mem. 22*, A. Mitchell and D. Grauls, eds., Elf Exploration Production, Pau CEDEX, France, :193-199, 1999.  
Department of WHOI Author: MCG.  
Contribution Number: **NONE**

**Whitcomb, Louis, Dana Yoerger, Hanumant Singh, and David Mindell.**

Towards precision robotic maneuvering, survey, and manipulation in unstructured undersea environments. In: *Robotics Research, The Eighth International Symposium*, Y. Shirai and S. Hirose, eds. Springer-Verlag, London, 45-54, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **9614**

**Zhang, Jubao, Raymond W. Schmitt, and Rui Xin Huang.**

The relative influence of diapycnal mixing and hydrologic forcing on the stability of the thermohaline circulation. *J.Phys.Oceanogr.*, 29:1096-1108, 1999.

Department of WHOI Author: PO.

Contribution Number: **9518**

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