



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in March 2003

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Balmforth, N. J., A. Provenzale, and J. A. Whitehead

The language of pattern and form. In: *Geomorphological Fluid Mechanics*. N.J. Balmforth, A. Provenzale, eds. New York: Springer, :3-33, 2001.
Department of WHOI Author: PO.

Beaulieu, Stace E.

Accumulation and fate of phytodetritus on the sea floor. *Oceanogr.Mar.Biol.*, 40:171-232, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **10529**

Benitez-Nelson, C. R., K. O. Buesseler, M. Rutgers van der Loeff, J. Andrews, L. Ball, G. Crossin, and M. A. Charette

Testing a new small-volume technique for determining ²³⁴Th in seawater. *J.Radioanal.Nucl.Chem.*, 248(3):795-799, 2001.
Department of WHOI Author: MCG.
Contribution Number: **10333**

Bower, Amy S., David M. Fratantoni, William E. Johns, and Hartmut Peters

Gulf of Aden eddies and their impact on Red Sea water. *Geophys.Res.Lett.*, 29(21),2025,doi:10.1029/2002GL015342, 2002.
Department of WHOI Author: PO.
Contribution Number: **10732**

Camm, Jeffrey D., Susan K. Norman, Stephen Polasky, and Andrew R. Solow

Nature reserve site selection to maximize expected species covered. *Oper.Res.*, 50(6):946-955, 2002.
Department of WHOI Author: MPC.
Contribution Number: **10225**

Caswell, Hal

Life table response experiments in ecotoxicology. In: *Demography in Ecotoxicology*. Jan Kammenga and Ryszard Laskowski, eds. New York: Wiley & Sons Ltd., :43-55, 2000.
Department of WHOI Author: BIO.
Contribution Number: **10205**

Chang, Kyung-Il, Nelson G. Hogg, Moon-Sik Suk, Sang-Kyung Byun, Young-Gyu Kim, and Kuh Kim

Mean flow and variability in the southwestern East Sea. *Deep-Sea Res.I*, 49:2261-2279, 2002.
Department of WHOI Author: PO.
Contribution Number: **10662**

Clift, P. D.

The Indus Fan: Climate-tectonic interactions in the western Himalaya. *Geoscientist*, 11(12):4-9, 2001.
Department of WHOI Author: GEOL.

Freed, Andrew M., and Jian Lin

Accelerated stress buildup on the southern San Andreas fault and surrounding regions caused by Mojave Desert earthquakes. *Geology*, 30(6):571-574, 2002.
Department of WHOI Author: GEOL.
Contribution Number: **10157**

Fujiwara, Toshiya, Jian Lin, Takeshi Matsumoto, Peter B. Kelemen, Brian E. Tucholke, and John F. Casey

Crustal evolution of the Mid-Atlantic Ridge near the Fifteen-Twenty Fracture Zone in the last 5 Ma. *Geochem.Geophys.Geosyst.*, 4,1024,doi:10.1029/2002GC000364, 2003.
Department of WHOI Author: GEOL.
Contribution Number: **10702**

Goldstone, J. V., M. P. Pullin, S. Bertilsson, and B. M. Voelker

Reactions of hydroxyl radical with humic substances: Bleaching, mineralization, and production of bioavailable carbon substrates. *Environ.Sci.Technol.*, 36:364-372, 2002.
Department of WHOI Author: MCG.
Contribution Number: **10468**

Griffiths, R. W., and J. A. Whitehead

Earth's surface morphology and convection in the mantle. In: *Geomorphological Fluid Mechanics*. N.J. Balmforth, A. Provenzale, eds. New York: Springer, :111-137, 2001.
Department of WHOI Author: PO.

Hellou, J., J. Leonard, J. Meade, S. Sharpe, J. Banoub, S. Papiernik, L. Eglinton, and J. Whelan

Presence and biotransformation of three heteroaromatic compounds compared to an aromatic hydrocarbon. *Polycyclic Aromat.Comp.*, 14/15:221-230, 1999.

Department of WHOI Author: MCG.

Contribution Number: **9678**

Hoagland, P.

Recent US policy developments affecting the use of analytical approaches for estimating the economic effects of fisheries conservation and management. In: *Axes: Research Orientations for the Development of New Tools and Models to Evaluate the Contribution of Aquaculture and Fishing Activities to the Development of Coastal Areas and Their Socio-Economic Interactions with Other Sectors*. Pierre Failler, ed. Portsmouth, UK: Centre for the Economics and Management of Aquatic Resources, University of Portsmouth, :75-84, 2001.

Department of WHOI Author: MPC.

Huang, Rui Xin

The available potential energy in a compressible ocean. In: *Advances in Mathematical Modelling of Atmosphere and Ocean Dynamics; Proceedings of the IUTAM Symposium Held in Limerick, Ireland, 2-7 July, 2000*. P. F. Hodnett, ed. Boston: Kluwer Academic Publishers:167-172, 2001.

Department of WHOI Author: PO.

Contribution Number: **9902**

Humphris, Susan E.

The potential role of ocean sciences research and information technology in the COSEE. *J.Mar.Ed.*, 17:22-25, 2001.

Department of WHOI Author: GEOL.

Ichikawa, Hiroshi, and Robert C. Beardsley

The current system in the Yellow and East China Seas. *J.Oceanogr.*, 58:77-92, 2002.

Department of WHOI Author: PO.

Ivanov, Dmitry L., and Amelie H. Scheltema

Prochaetodermatidae of the Western Indian Ocean and Arabian Sea (Mollusca, Aplacophora).

In: *Tropical Deep-Sea Benthos*. P. Bouchet and B. A. Marshall, eds. Paris: Publications Scientifiques du Muséum national d'Histoire naturelle, 22:9-38, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10066**

Kilfoyle, Daniel B., James C. Preisig, and Arthur B. Baggeroer

Spatial modulation over partially coherent multiple-input/multiple-output channels. *IEEE Trans.Signal Process.*, 51(3):794-804, 2003.

Department of WHOI Author: AOPE.

Contribution Number: **10598**

Kim, S.-W., R. J. Schneider, K. F. von Reden, J. H. Hayes, and J. S. C. Wills

Test of negative ion beams from a microwave ion source with a charge exchange canal for accelerator mass spectrometry applications. *Rev.Sci.Instrum.*, 73:846-848, 2002.

Department of WHOI Author: GEOL.

King, B. A., E. Firing, and T. M. Joyce

Shipboard observations during WOCE. In: *Ocean Circulation and Climate: Observing and Modelling the Global Ocean*. Gerold Siedler, John Church, John Gould, eds. San Diego: Academic Press, :99-122, 2001.

Department of WHOI Author: PO.

La Du, Jane, Deana Erdner, Sonya Dyhrman, and Don Anderson

Molecular approaches to understanding population dynamics of the toxic dinoflagellate *Alexandrium fundyense*. *Biol.Bull.*, 203:244-245, 2002.

Department of WHOI Author: BIO.

Layne, G. D., and K. W. Sims

Analysis of $^{232}\text{Th}/^{230}\text{Th}$ in volcanic rocks by secondary ionization mass spectrometry. *Int.J.Mass Spectrom.*, 203:187-198, 2000.

Department of WHOI Author: GEOL.

Matthews, J. N., S. Brown, D. Gillespie, M. Johnson, R. McLanaghan, A. Moscrop, D. Nowacek, R. Leaper, T. Lewis, and P. Tyack

Vocalisation rates of the North Atlantic right whale (*Eubalaena glacialis*). *J.Cetacean Res.Manag.*, 3(3):271-282, 2001.

Department of WHOI Author: BIO.

McCave, I. N., R. C. Chandler, S. A. Swift, and B. E. Tucholke

Contourites of the Nova Scotian Continental Rise and the HEBBLE area. In: *Deep Water Contourite Systems: Modern Drifts and Ancient Series, Seismic and Sedimentary Characteristics*. J. F. Howe, D. A. V. Stow, J. C. Faugeres, eds. London: The Geological Society, :21-38, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **10391**

McManus, J. F., D. W. Oppo, L. D. Keigwin, J. L. Cullen, and G. C. Bond

Thermohaline circulation and prolonged interglacial warmth in the North Atlantic. *Quat.Res.*, 58:17-21, 2002.

Department of WHOI Author: GEOL.

Moore, Jon A.

Upside-down swimming behavior in a whipnose anglerfish (Teleostei: Ceratiodei: Gigantactinidae). *Copeia*, 2002(4):1144–1146, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10668**

Moore, M. J., C. A. Miller, M. S. Morss, R. Arthur, W. A. Lange, K. G. Prada, M. K. Marx, and E. A. Frey

Ultrasonic measurements of blubber thickness in right whales. *J.Cetacean Res.Manage.*, Spec.Iss. 2:301-309, 2001.

Department of WHOI Author: BIO. AOPE.

Contribution Number: **10351**

Mullineaux, Lauren S., Kevin G. Speer, Andreas M. Thurnherr, Matthew E. Maltrud, and Annick Vangriesheim

Implications of cross-axis flow for larval dispersal along mid-ocean ridges. *Cah.Biol.Mar.*, 43:281-284, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10809**

Neubert, Michael G., Petra Klepac, and P. van den Driessche

Stabilizing dispersal delays in predator-prey metapopulation models. *Theor.Popul.Biol.*, 61:339-347, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10653**

Paul, W.

Data on ropes from industrial synthetic fibers. In: *Handbook of Oceanographic Winch, Wire and Cable Technology, 3rd ed.* John Bash, ed. Washington, DC: National Science Foundation, :12-7-12-29, 2001.

Department of WHOI Author: AOPE.

Pickart, Robert S., Fiammetta Straneo, and G. W. K. Moore

Is Labrador Sea water formed in the Irminger Basin? *Deep-Sea Res.I*, 50:23-52, 2003.

Department of WHOI Author: PO.

Contribution Number: **10663**

Schmitz, Birger, Mario Tassinari, and Bernhard Peucker-Ehrenbrink

A rain of ordinary chondritic meteorites in the early Ordovician. *Earth Planet.Sci.Lett.*, 194:1-15, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10544**

Song, Jiasheng, Margaret Clagett-Dame, Richard E. Peterson, Mark E. Hahn, William M. Westler, Rafal R. Sincinski, and Hector F. DeLuca

A ligand for the aryl hydrocarbon receptor isolated from lung. *Proc.Natl.Acad.Sci.U.S.A.*, 99(23):14694-14699, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10717**

Stokey, R.

Dynamic calibration of a magnetic heading sensor using an acoustic net. In: *Proceedings of the 12th International Symposium on Unmanned, Untethered, Submersible Technology (UUST '01), Durham, New Hampshire*. 7 pp., 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10497**

Swearer, Stephen E., Jeffrey S. Shima, Michael E. Hellberg, Simon R. Thorrold, Geoffrey P. Jones, D. Ross Robertson, Steven G. Morgan, Kimberly A. Selkoe, Gregory M. Ruiz, and Robert R. Warner

Evidence of self-recruitment in demersal marine populations. *Bull.Mar.Sci.*, 70(1) Suppl.:251-271, 2002.

Department of WHOI Author: BIO.

Thorrold, Simon R., and Jonathan A. Hare

Otolith applications in reef fish ecology. In: *Coral Reefs Fishes: Dynamics and Diversity in a Complex Ecosystem*. Peter F. Sale, ed. San Diego, CA: Academic Press, :243-264, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10400**

Tucholke, Brian E.

The Greater Antilles Outer Ridge: Development of a distal sedimentary drift by deposition of fine-grained contourites. In: *Deep Water Contourite Systems: Modern Drifts and Ancient Series, Seismic and Sedimentary Characteristics*. J. F. Howe, D. A. V. Stow, J. C. Faugeres, eds. London: The Geological Society, :39-55, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **10392**

Tyack, P. L.

Bioacoustics. In: *Encyclopedia of Ocean Sciences*. John H. Steele, Karl K. Turekian, Steve A. Thorpe, eds. London: Academic Press, 1:295-302, 2001.

Department of WHOI Author: BIO.

Uchupi, Elazar, S. A. Swift, and D. A. Ross

Morphology and Late Quaternary sedimentation in the Gulf of Oman Basin.

Mar.Geophys.Res., 23:185-203, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **10786**

Whitcomb, Louis, Dana Yoerger, and Hanumant Singh

Advances in Doppler-based navigation of underwater robotic vehicles. In: *IEEE International Conference on Robotics and Automation, Detroit, MI*. Piscataway, NJ: IEEE, :399-406, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **9818**

Whitehead, J. A.

A boundary layer flow with multiple equilibria. *Phys.Fluids*, 14(7):2575-2577, 2002.

Department of WHOI Author: PO.

Wiley, David N., Greg Early, Charles A. Mayo, and Michael J. Moore

Rescue and release of mass stranded cetaceans from beaches on Cape Cod, Massachusetts, USA; 1990-1999: A review of some response actions. *Aquat.Mamm.*, 27(2):162-171, 2001.

Department of WHOI Author: BIO.

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