



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in November 2001

MBL/WHOI Library
Woods Hole, MA 02543

Arbic, Brian K. and W. Brechner Owens.

Climatic warming of Atlantic Intermediate Waters. *J.Clim.*, 14:4091-4108, 2001.

Department of WHOI Author: PO.

Contribution Number: **10353**

Benitez-Nelson, Claudia, Ken O. Buesseler, David M. Karl, and John Andrews.

A time-series study of particulate matter export in the North Pacific Subtropical Gyre based on 234Th: 238U disequilibrium. *Deep-Sea Res.I*, 48:2595-2611, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10446A**

Butler, Rondi A., Melissa L. Kelley, Wade H. Powell, Mark E. Hahn, Rebecca J. Van Beneden.

An aryl hydrocarbon receptor (AHR) homologue from the soft-shell clam, *Mya arenaria*: Evidence that invertebrate AHR homologues lack 2,3,7,8-tetrachlorodibenzo-*p*-dioxin and beta-naphthoflavone binding. *Gene*, 278:223-234, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10412**

Cox, Rachel L., Thomas Mariano, Diane E. Heck, Jeffrey D. Laskin, and John J. Stegeman.

Nitric oxide synthase sequences in the marine fish *Stenotomus chrysops* and the sea urchin *Arbacia punctulata*, and phylogenetic analysis of nitric oxide synthase calmodulin-binding domains. *Comp.Biochem.Physiol.*, 130(B):479-491, 2001.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Edwards, Katrina J. and Andrew P. Rutenberg.

Microbial response to surface microtopography: The role of metabolism in localized mineral dissolution. *Chem.Geol.*, 180:19-32, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10460**

Elgar, Steve, Britt Raubenheimer, and R. T. Guza.

Current meter performance in the surf zone.

J.Atmos.Ocean.Technol., 18(10):1735-1746, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10241**

Escartin, J., G. Hirth, and B. Evans.

Strength of slightly serpentinized peridotites: Implications for the tectonics of oceanic lithosphere. *Geology*, 29(11):1023-1026, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Fratantoni, David M.

North Atlantic circulation during the 1990's observed with satellite-tracked drifters.

J.Geophys.Res., 106(C10):22067-22094, 2001.

Department of WHOI Author: PO.

Contribution Number: **10479**

Friedland, Kevin D., David G. Reddin, Nobumichi Shimizu, Ruth E. Haas, and Alan F. Youngson.

Strontium: calcium ratios in Atlantic salmon (*Salmo salar*) otoliths and observations on growth maturation. *Can.J.Fish.Aquat.Sci.*, 55:1158-1168, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Gobat, J. I. and M. A. Grosenbaugh.

Application of the generalized- α method to the time integration of the cable dynamics equations. *Comput.Methods Appl.Mech.Eng.*, 190:4817-4829, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10012**

Gobat, Jason I. and Mark A. Grosenbaugh.

A simple model for heave-induced dynamic tension in catenary moorings. *Appl.Ocean Res.*, 23:159-174, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10277**

Joyce, Terrence M., Alonso Hernandez-Guerra, and William A. Smethie.

Zonal circulation in the NW Atlantic and Caribbean from a meridional World Ocean Circulation Experiment hydrographic section at 66°W.

J.Geophys.Res., 106(C10):22095-22113, 2001.

Department of WHOI Author: PO.

Contribution Number: **10153**

Kujawinski, Elizabeth B., John W. Farrington, and James W. Moffett.

Marine protozoa produce organic matter with a high affinity of PCBs during grazing.

Environ.Sci.Tech., 35:4060-4065, 2001.

Department of WHOI Author: MCG. and ADMIN.

Contribution Number: **10467**

Matsumoto, Katsumi, Wallace S. Broecker, Elizabeth Clark, Daniel C. McCorkle, William R. Martin, and Irka Hajdas.

Can deep ocean carbonate preservation history as inferred from atmospheric pCO₂ record account for ¹⁴C and ‰ CaCO₃ profiles on the Ontong-Java Plateau? *Earth Planet.Sci.Lett.*, 192:319-329, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **10434**

McCollom, Thomas M. and Jeffrey S. Seewald.

A reassessment of the potential for reduction of dissolved CO₂ to hydrocarbons during serpentinization of olivine.

Geochim.Cosmochim.Acta, 65(21):3769-3778, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Muntener, Othmar, Peter B. Keleman, and Timothy L. Grove.

The role of H₂O during crystallization of primitive arc magmas under uppermost mantle conditions and genesis of igneous pyroxenites: An experimental study.

Contrib.Mineral.Petrol., <http://link.springer-ny.com/link/service/journals/00410/contents/01/00266/paper/s004100100266ch110.html>, 25 pp., 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Ogawa, Nanako O., Tadotoshi Koitabashi, Hirotaka Oda, Toshio Nakamura, Naohiko Ohkouchi, and Eitaro Wada.

Fluctuations of nitrogen isotope ratio of gobiid fish (Isaza) specimens and sediments in Lake Biwa, Japan during the 20th century.

Limnol.Oceanogr., 46(5):1228-1236, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Rose, Estelle F., Nobumichi Shimizu, Graham D. Layne, and Timothy L. Grove.

Melt production beneath Mt. Shasta from boron data in primitive melt inclusions.

Science, 293:281-283, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Seewald, Jeffrey S.

Model for the origin of carboxylic acids in basinal brines. *Geochim.Cosmochim.Acta*, 65(21):3779-3789, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10377**

Shimeta, Jeff, Victoria R. Starczak, Aladipo M. Ashiru, and Cheryl Ann Zimmer.

Influence of benthic boundary-layer flow on feeding rates of ciliates and flagellates at the sediment-water interface.

Limnol.Oceanogr., 46(7):1709-1719, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10402**

Singh, Hanumant, Jonathan Adams, David Mindell, and Brendan Foley.

Imaging underwater for archaeology. *J.Field Archaeol.*, 27(3):319-328, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **9882**

Solow, Andrew R.

Observation error and the detection of delayed density dependence.

Ecology, 82(11):3263-3264, 2001.

Department of WHOI Author: MPC.

Contribution Number: **9775**

Talley, Wayne K., Di Jin, and Hauke Kite-Powell.

Vessel accident oil-spillage: Post US OPA-90.

Transp.Res.Part D, 6:405-415, 2001.

Department of WHOI Author: MPC.

Contribution Number: **10354**

**Van Dover, C. L., S. E. Humphris, S. E., D. Fornari, C. M. Cavanaugh, R. Collier,
S. K. Goffredi, J. Hashimoto, M. Lilley, A. L. Reysenbach, T. M. Shank,
K. L. Von Damm, A. Banta, R. M. Gallant, D. Gotz, D. Green, J. Hall, T. L. Harmer,
L. A. Hurtado, and P. Johnson, et al.**

Biogeography and ecological setting of Indian Ocean hydrothermal vents. *Science*,
294:818-823, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

West, M., W. Menke, M. Tolstoy, S. Webb, and R. Sohn.

Magma storage beneath Axial volcano on the Juan de Fuca mid-ocean ridge. *Nature*,
413:833-836, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Compiled by: Maureen Carragher
MBL/WHOI Library
library@whoi.edu
December 3, 2001