



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – July 2001

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Bach, Wolfgang, Jeffrey C. Alt, Yaoling Niu, Susan E. Humphris, Jorg Erzinger, and Henry J. B. Dick.

The geochemical consequences of late-stage low-grade alteration of lower ocean crust at the SW Indian Ridge: Results from ODP Hole 735B (Leg 176).

Geochim. Cosmochim. Acta, IN PRESS.

Department of WHOI Author: MCG., GEOL.

Contribution Number: **10459**

Benitez-Nelsons, 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 ^{234}Th : ^{238}U disequilibrium. *Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10446A**

Choi, M. S., R. Francois, K. Sims, M. P. Bacon, S. Brown-Leger, A. P. Fler, L. Ball, D. Schneider, and S. Pichat.

Rapid determination of ^{230}Th and ^{231}Pa in seawater by desolvated micro-nebulization inductively coupled plasma magnetic sector mass spectrometry. *Mar. Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10448**

Churchill, James H., Elise A. Ralph, Angela M. Cates, Judith W. Budd, and Noel R. Urban.

Observations of a negatively buoyant river plume in a large lake. *Limnol. Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10492**

Clift, Peter and Jian Lin.

Preferential mantle lithospheric extension under the South China Margin.
Mar.Pet.Geol., IN PRESS.
Department of WHOI Author: GEOL.
Contribution Number: **10484**

Conte, M. H., J. C. Weber, L. L. King, and S. G. Wakeham.

The alkenone temperature signal in Western North Atlantic surface waters.
Geochim.Cosmochim.Acta, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10473**

Cruse, Anna M. and Jeffrey S. Seewald.

Metal mobility in sediment-covered ridge-crest hydrothermal systems: Experimental and theoretical. *Geochim.Cosmochim.Acta*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10453B**

Donoghue, T., O. Zafiriou, and C. Taylor.

Retractable surface-following sampler. *Mar.Technol.Soc.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10431**

Drenzek, Nicholas J., Timothy I. Eglinton, Carl O. Wirsen, Harold D. May, Qingzhong Wu, Kevin R. Sowers, and Christopher M. Reddy.

Stable carbon isotopic fractionation during the reductive dechlorination of polychlorinated biphenyls. *Environ.Sci.Technol.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10458**

Fong, Derek and W. Rockwell Geyer.

The alongshore transport of fresh water in a surface-trapped river plume.
J.Phys.Oceanogr., IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **10494**

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., IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10468**

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.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10467**

Martin, C. E., B. Peucker-Ehrinbrink, G. Brunskill, and R. Szymczak.

Isotope systematics of dissolved osmium in the salinity gradient of a tropical estuary. *Geochim.Cosmochim.Acta*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10433**

Olli, Kalle and Donald M. Anderson.

High encystment success of the dinoflagellate *Scrippsiella cf. lachrymosa* in culture experiments. *J.Phycol.*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **10489**

Podar, Mircea, Steven H. D. Haddock, Mitchell L. Sogin, and G. Richard Harbison.

A molecular phylogenetic framework for the phylum Ctenophora using 18S rRNA genes. *Mol.Phylogenet.Evol.*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **10474**

Reddy, Christopher M., Nicholas J. Drenzek, Timothy I. Eglinton, Linnea J. Heraty, Neil C. Sturchio, and Vernon J. Shiner.

Stable chlorine intramolecular kinetic isotope effects from the abiotic dehydrochlorination of DDT. *Environ.Sci.Pollut.Res.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10432**

Sayles, F. L., W. R. Martin, Zanna Chase, and R. F. Anderson.

Benthic remineralization and burial of biogenic SiO_x, CaCO₃, organic carbon, and detrital material in the Southern Ocean along a transect at 170 degrees west. *Deep-Sea Res.II*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **10429**

Stokey, R.

Dynamic calibration of a magnetic heading sensor using an acoustic net. In: *12th International Symposium on Unmanned Untethered Submersible Tech.*, IN PRESS.
Department of WHOI Author: AOPE.

Contribution Number: **10497**

Verbugge, L. A., J. P. Giesy, D. A. Verbrugge, B. R. Woodin, and J. J. Stegeman.

Catalytic and immunochemical properties of hepatic cytochrome P450 1A in three avian species treated with beta-naphthoflavone or isosafrole. *Comp.Biochem.Physiol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10493**

Webster, Sarah, Oscar Pizarro, and Hanumant Singh.

Photomosaicking in underwater archaeology.

Inst.Naut.Archaeol.Quart., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10483**

Whelan, J. K., M. C. Kennicutt, L. Eglinton, and Y. Qian.

Short time-scale (years) variations of petroleum fluids from the U.S. Gulf Coast.

Geochim.Cosmochim.Acta, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10461**

Wijffels, Susan E. and John M. Toole.

Revisiting the South Pacific subtropical. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Yoerger, Dana R., Albert M. Bradley, Fritz Stahr, and Russell McDuff.

Surveying deep-sea hydrothermal vent plumes with the Autonomous Benthic Explorer (ABE). In: *12th International Symposium on Unmanned Untethered Submersible Tech.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10496**

Yu, Lisan, Robert A. Weller, and W. Timothy Liu.

Regulation of westerly wind bursts by ENSO conditions. *J.Clim.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10485**

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