



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – March 2000

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Atkins, Michael S., Andreas P. Teske, and O. Roger Anderson.

A survey of flagellate diversity at four deep hydrothermal vents in the East Pacific Ocean using structural and molecular approaches.

J.Eukaryot.Microbiol., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10159**

Barbeau, K. and J. W. Moffett.

Laboratory and field studies of colloidal iron oxide dissolution as mediated by phagotrophy and photolysis. *Biogeochemistry*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10144**

Buesseler, K. O. and M. A. Charette.

Comment on “How accurate are the ²³⁴Th based particulate residence times in the ocean?” by G. Kim, N. Hussain, and T. Church.

Geophys.Res.Lett., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10164**

Colosi, John A., Fred Tappert, and Matthew Dzieciuch.

Signal time integration effects on AET acoustic fluctuations and further analysis of the transmission finale. *J.Acoust.Soc.Am.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10162**

Concelman, S., S. M. Bollens, B. Sullivan, L. P. Madin, E. F. Horgan, M. Butler, and D. Van Keuren.

Distribution, abundance and benthic-pelagic coupling of suspended hydroids on Georges Bank. *Deep Sea. Res. II*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10143**

Flower, B. P., D. W. Oppo, J. F. McManus, K. A. Venz, D. A. Hodell, and J. Cullen.

North Atlantic intermediate to deep water circulation and chemical stratification during the past 1 Myr. *Paleoceanography*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10149**

Fratantoni, P. S., R. S. Pickart, D. J. Torres, and A. Scotti.

Mean synoptic structure of the shelfbreak jet in the Middle Atlantic Bight.

J. Phys. Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10130**

Furey, Peter W., Robert A. Weller, and Michael A. Spall.

Simulations of mixed layer response to local atmospheric forcing and inferring the subduction rate in the Northeast Atlantic. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10146**

Gebruk, A. V., P. Chevaldonne, T. Shank, R. Lutz, and R. Vrijenhoek.

Deep-sea hydrothermal vent communities of the Logatchev area (14°45'N, Mid-Atlantic Ridge). *J. Mar. Biol. Assoc. U.K.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10147**

Gregg, Tracy K. P., Daniel J. Fornari, Michael R. Perfit, W. Ian Ridley, and Mark D. Kurz.

Using submarine lava pillars to record mid-ocean ridge eruption dynamics.

Earth Planet. Sci. Lett., IN PRESS.

Department of WHOI Author: GEOL. and MCG.

Contribution Number: **10138**

Guardia, Roser, Jose Raventos, and Hal Caswell.

Spatial growth and population dynamics of a perennial tussock grass (*Achnatherum calamagrostis*) in a badland area. *J. Ecol.*, IN PRESS.

Department of WHOI Author: BIOL.

Contribution Number: **10134**

Humes, A. and T. Shank

Siphonostomatoid copepods from hydrothermal vents at the Southern East Pacific Rise. *Proceedings of the Biological Society of Washington*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10148**

Jarvinen, Denise.

Groundwater pollution and property values. *Water Resour.Res.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10136**

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

A WOCE hydrographic program meridional sections at 66° west in the North Atlantic. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10153**

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

Importance of passive diffusion in the uptake of polychlorinated biphenyls by phagotrophic protozoa. *Appl.Envir.Microbiol.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10163**

Miller, Patrick J. O. and David E. Bain

Within-pod variation in the sound production of a pod of killer whales (*Orcinus orca*). *Anim.Behav.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10156**

Moore, Laura J., Charlene Sullivan, and David G. Aubrey.

Interannual evolution of multiple longshore sand bars, Truro, Massachusetts. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10141**

Owens, W. Brechner and Bruce A. Warren

Deep circulation in the northwest corner of the Pacific Ocean.

Deep-Sea Res., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10154**

Powell, Wade H., Rachel Bright, Susan M. Bello, and Mark E. Hahn.

Developmental and tissue-specific expression of AHR1, AHR2, and ARNT2 I dioxin-sensitive and -resistant populations of the marine fish, *Fundulus heteroclitus*. *Toxicol.Sci.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10161**

Reddy, Christopher M., Timothy I. Eglinton, Radosav Palic, Bryan C. Benitez-Nelson, Gordana Stojanovic, Ivan Palic, Sinisa Djordjevic, and Geoffrey Eglinton,

Even carbon number predominance of plant wax *n*-Alkanes: A correction.

Organ.Chem., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10155**

Rengefors, K., K. Pettersson, T. Blenckner, and D. M. Anderson.

Species-specific alkaline phosphatase activity in freshwater spring phytoplankton - the application of a novel method. *J.Plankton Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10151**

Schultz, Richard A.

Localization of bedding-plane slip and backthrust faults above blind thrust faults: Keys to wrinkle ridge structure. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10145**

Sengco, Mario R., Aishao Li, Kimberly Tugend, David Kulis, and Donald M. Anderson.

Removal of red and brown tide cells using clay flocculation: 1. Laboratory culture experiments with *Gymnodinium breve* and *Aureococcus anophagefferens*. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10142**

Singh, H., O. Pizarro, A. Duester, and J. Howland.

Optical imaging from the ABE AUV. *Sea Tech.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10150**

Singh, Hanumant, Chris Roman, Louis Whitcomb, and Dana Yoerger.

Advances in fusion of high resolution underwater optical and acoustic data.

In: *IEEE/OES Underwater Technology 2000 Symposium, Tokyo, Japan, May 23-26, 2000*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10158**

Sohn, R. A., F. Vernon, and A. Hildebrand.

Field measurements of sonic boom penetration into the ocean.

J.Acoust.Soc.Am., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Solow, Andrew R.

The meaning of biological diversity. *Nature*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10140**

Solow, Andrew R. and Christopher J. Costello

A test for declining diversity. *Ecology*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10139**

Spall, Michael A.

Large-scale circulations forced by mixing near boundaries.

J.Mar.Res., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10152**

Toomey, Barbara Holland, Susan Bello, Mark E. Hahn, Susannah Cantrell, Peggy Wright, Donald E. Tillitt, and Richard T. Di Giulio.

TCDD induces apoptotic cell death and cytochrome P4501A expression in developing *Fundulus heteroclitus* embryos. *Aquat.Toxicol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10160**

Uchupi, Elazar, Juan Acosta, U. S. ten Brink, W. W. Danforth, W. P. Dillon, Araceli Munoz, J. W. Nealon, and Carlos Palomo.

Geology the Puerto Rico Trench region.

In: *Geotemas, Proceedings of V Congreso Geologico de Espana*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10137**

Yu, Lisan and Michele M. Rienecker.

The Indian Ocean warming of 1997-1998. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10135**

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