



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - April 1998

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Doherty, K.W., D.E. Frye, S.P. Liberatore, and J.M. Toole.

A moored profiling instrument. *J.Atmos.Oceanic Technol.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9696**

DuRand, Michele D. and Robert J. Olson.

Diel patterns in optical properties of the chlorophyte *Nannochloris* sp.: Relating individual cell to bulk measurements. *Limnol.Oceanogr.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9655**

Ellegard, M., D. Kulis, and D. Anderson.

Cysts of Danish *Gymnodinium* cf. *catenatum* (Dinophyceae): Studies on encystment, excystment, and toxicity. *J.Plankton Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9702**

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., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9691**

Goni, Miguel A., Kathleen C. Ruttenberg, and Timothy I. Eglinton.

A reassessment of the sources and importance of land-derived organic matter in surface sediments from the Gulf of Mexico.

Geochim.Cosmochim.Acta, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9607**

Goyet, C., N. Metz, F. Millero, G. Eiseid, D. O'Sullivan, and A. Poisson.

Temporal variation of the sea surface CO₂/carbonate properties in the Arabian Sea. *Mar.Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9686**

Hart, Stanley R. and Jerzy Blusztajn.

Clams as recorders of ocean ridge volcanism and hydrothermal vent field activity.

Science, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

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

Presence and metabolism of three heteroaromatic compounds compared to a PAH.

Proceedings of IAPAC-16 and Boeach Journal of Polycyclic Aromatic Compounds, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9678**

Huang, Rui Xin and Joseph Pedlosky.

Climate variability inferred from a layered model of the ventilated thermocline.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9697**

Inda, L.A., D.L. Erdner, M.L. Peleato, and D.M. Anderson.

Cytochrome C₆ isolated from the marine diatom

Thalassiosira weissflogii. *Phytochemistry*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9690**

Leckrone, Kristen J. and John M. Hayes.

Water-induced errors in continuous-flow carbon isotope ratio mass spectrometry.

Anal.Chem., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Lynch, Daniel R., Wendy C. Gentleman, Dennis McGillicuddy, and Cabell Davis.

Biophysical simulations of *Calanus finmarchicus* population dynamics in the Gulf of Maine. *Mar.Ecol.:Prog.Ser.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9689**

McGillicuddy, Jr., D.J., D.R. Lynch, A.M. Moore, W.C. Gentleman, and C.S. Davis.

An adjoint data assimilation approach to the estimation of *Pseudocalanus* spp. population dynamics in the Gulf of Maine - Georges Bank region. *Fish.Oceanogr.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9688**

Morrison, Hilary G., E. Jennifer Weil, Sibel I. Karchner, Mitchell L. Sogin, and John J. Stegeman.

Molecular cloning of CYP1A from the estuarine fish *fundulus heteroclitus* and phylogenetic analysis of CP1 genes: update with new sequences.

Comp.Biochem.Physiol., IN PRESS.

Department of WHOI Author: BIOL.

Contribution Number: **9692**

Pedlosky, Joseph and Michael Spall.

Rossby normal modes in basins with barriers. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9698**

Pineda, Jesus.

Circulation and larval distribution in internal tidal bore warm-fronts.

Limnol.Oceanogr., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9701**

Seewald, Jeffrey.

Petroleum geochemistry: Sulfur greases the wheels. *Nature*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9599**

Steele, John J. and Eric W. Henderson, Eric W.

Vertical migration of copepods. *J.Plankton Res.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9684**

Stephen, Ralph A.

Fermat's principle for anisotropic elastic media. *Proc. Seventh Int. Workshop on Seismic Anisotropy*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9699**

Swift, Stephen A., D. Lizarralde, Ralph A. Stephen, and Hartley Hoskins.

Seismic attenuation in upper ocean crust at Hole 504B.

J. Geophys. Res., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9700**

Whitehead, J.A.

Topographic control of oceanic flows in deep passages and straits.

Rev. Geophys., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9679**

Zafiriou, Oliver C., Bettina M. Voelker, and David L. Sedlak.

Chemistry of the superoxide radical (O_2^-) in seawater: Reactions within organic copper complexes. *J. Phys. Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9683**

Zettler, Linda A. Amaral, O. Roger Anderson, and David A. Caron.

Insights on the diversity within a "species" of *Thalassicolla* (Spumellarida) based on 16S-like ribosomal RNA gene sequencing.

J. Eukaryot. Microbiol., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9687**

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