



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - December 1999

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Bowin, Carl.

Mass anomalies and the structure of the Earth. *Phys.Chem.Earth*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10097**

**Chu, Dezhang, Dajun Tang, Thomas C. Austin, Alan A. Hinton,
and Richard I. Arthur, Jr.**

Fine-scale acoustic tomographic imaging of shallow water sediments.

IEEE-OE Special Issue, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10102**

**Currie, L. A., J. D. Kessler, J. V. Marolf, A. P. McNichol, D. R. Stuart,
J. C. Donoghue, D. J. Donahue, G. S. Burr, and D. Biddulph.**

Low-level (submicromole) environmental ¹⁴C metrology.

Proc.8th Int.AMS Conf., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10108**

Epstein, Ari W. and Robert C. Beardsley.

Flow induced aggregation of plankton at a front: A 2-D Eulerian model study.

Deep Sea Res.II - GLOBEC Special Volume, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10099**

Gagnon, Alan R., Ann P. McNichol, Joanne C. Donoghue, Dana R. Stuart, Karl Von Reden, J. M. Hayes, Schneider, R. J., K. L. Elder, M. Bellino, P. Long, R. Beaudette, and S. K. Handwork.

The NOSAMS sample preparation laboratory in the next millenium: Progress after the WOCE Program. *Nuc.Instrum.&Methods B*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10109**

Hahn, Mark E. and John J. Stegeman.

Molecular biology and biotechnology in marine toxicology. In: *Proceedings of the Workshop on Opportunities for Advancement of Environmental Applications of Marine Biotechnology, National Research Council, Board on Biology and Ocean Studies Board*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10114**

Hestermann, Eli V., John J. Stegeman, and Mark E. Hahn.

Relative contributions of affinity and intrinsic efficacy to aryl hydrocarbon receptor ligand potency. *Mol.Pharmacol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10113**

Huang, Rui Xin and Joseph Pedlosky.

Climate variability induced by anomalous buoyancy forcing in a multi-layer model of the ventilated thermocline. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10098**

Legg, Sonya and James C. McWilliams.

Convective modifications of a geostrophic eddy field.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10105**

Legg, Sonya and Nicolas Switanek.

Temperature and salinity gradients in the convective layer.

J.Mar.Res., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10104**

McNichol, A. P., J. R. Ertel, and T. I. Eglinton.

The radiocarbon content of individual content of lignin-derived phenols -- Technique and initial results. *Radiocarbon*, IN PRESS.

Department of WHOI Author: GEOL. MCG.

Contribution Number: **10101**

McNichol, A. P., R. J. Schneider, K. F. von Reden, A. R. Gagnon, K. A. Elder, NOSAMS, R. M. Key, and P. D. Quay.

Ten years after - the WOCE AMS radiocarbon program.

Proc. 8th Int. AMS Conf., Nucl. Inst. Meth., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10100**

Pedlosky, J.

The transmission and transformation of baroclinic Rossby waves by topography.

Nature, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10106**

Scheirer, Daniel S., Daniel J. Fornari, Susan E. Humphris, Steve Lerner.

High-resolution seafloor mapping using the DSL-120 sonar system: Quantitative assessment of sidescan and phase-bathymetry data from the Lucky Strike segment of the Mid-Atlantic Ridge. *Mar. Geophys. Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10107**

Spall, Michael A.

Where does dense water sink? A subpolar gyre example.

J. Phys. Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10103**

Watkins, William A., Mary Ann Daher, Nancy DiMarzio, Amy Samuels, Douglas Wartzok, and Kurt Fristrup.

Sperm whale dive behavior from radio telemetry of dive profiles.

Mar. Mammal Sci., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10110**

Wells, A. R. and K. R. Helfrich.

Circulation around a thin zonal island. *Nature*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10112**

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