



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - October 1998

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Bower Amy S. and Heather D. Hunt.

Lagrangian observations of the Deep Western Boundary Current in the North Atlantic Ocean. Part 1: Large-scale pathways and spreading rates.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9805**

Bower, Amy S. and Heather D. Hunt.

Lagrangian observations of the Deep Western Boundary Current in the North Atlantic Ocean. Part 2: The Gulf Stream-Deep Western Boundary Current crossover. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9806**

Chu, Dezhang and Zhen Ye.

A phase-compensated DWBA representation of the bistatic scattering by weakly scattering objects: Application to zooplankton. *J.Acous.Soc.Am.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9819**

Churchill, James H., Jackson O. Blanton, James L. Hench, Richard A. Luettich, and F. E. Werner.

Flood tide circulation near Beaufort Inlet, North Carolina: Implications for larval recruitment. *Estuaries*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9804**

Detrick, Robert S., Douglas R. Toomey, and John A. Collins.

Three-dimensional upper crustal heterogeneity and anisotropy around Hole 504B from seismic tomography. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9808**

Fratantoni, David M., William E. Johns, Tamara L. Townsend, and Harley E. Hurlburt.

Low-latitude circulation and mass transport pathways in a model of the Tropical Atlantic Ocean. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9816**

Frisk, George V.

A technique for measuring bottom acoustic impedance in shallow water.

In: *4th European Conference on Underwater Acoustics, Rome, Italy, 21-25 September 1998*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9811**

Greene, C. H., P. H. Wiebe, A. J. Pershing, G. Gal, , J. M. Popp, N. J. Copley, T. C. Austin, A. M. Bradley, R. G. Goldsborough, J. Dawson, R. Hendershott, and S. Kaartvedt.

Assessing the distribution and abundance of zooplankton: A comparison of acoustic and net-sampling methods with D-BAD MOCNESS.

Deep-Sea Res.II, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9779**

Jayne, Steven R. and Nelson G. Hogg.

A note on recirculation forced by an unstable jet. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9803**

Jin, Di.

Productivity in United States marine resource industries: Implications for Korea.

First International Forum: Marine Policy and the Korea Economy: Issues and Opportunities in Seoul, Korea, October 1998, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9800**

Kelemen, Peter B., Stanley R. Hart, and Stefan Bernstein.

Silica enrichment in the continental upper mantle via melt/rock reaction.

Earth Planet.Sci.Lett., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Legg, Sonya and James C. McWilliams.

Temperature and salinity variability in heterogeneous oceanic convection.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9820**

Li, Dan, Dajun Tang, and George V. Frisk.

Evaluation of sound propagation models used in bottom volume scattering studies.

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

Department of WHOI Author: AOPE.

Contribution Number: **9812**

Li, Dan, George V. Frisk, and Dajun Tang.

Modeling of bottom backscattering from three-dimensional volume inhomogeneities and comparisons with experimental data.

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

Department of WHOI Author: AOPE.

Contribution Number: **9813**

Marchitto, Thomas, Glenn A. Jones, Glenn A. Goodfriend, and Christopher R. Weidman.

Precise temporal correlation of Holocene mollusc shells using sclerochronology.

Quat.Res., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9821**

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Evidence for vertical circulation cells in the well-mixed area of Georges Bank and their biological implications. *Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9810**

**von Reden, Karl F., John C. Peden, Robert J. Schneider, Mary Bellino,
Joanne Donoghue, Kathryn L. Elder, Alan R. Gagnon, Patricia Long,
Ann P. McNichol, Tracey Morin Dana Stuart, and John M. Hayes.**

High-precision measurements of ^{14}C as a circulation tracer in the Pacific, Indian, and Southern Oceans with Accelerator Mass Spectrometry (AMS).

American Institute of Physics Conference Proceedings of the 8th International Conference on Heavy Ion Accelerator Technology, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9817**

Weidman, Christopher R. and Glenn A. Jones.

A century long ocean temperature record from ^{18}O analysis of mollusk shells.

Earth Planet.Sci.Lett., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9815**

Whitcomb, Louis, Dana Yoerger, and Hanumant Singh.

Advances in Doppler-based navigation of underwater robotic vehicles.

IEEE Int.Conf. on Robotics and Automation, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9818**

Yang, Jiayan.

A teleconnection mechanism that links climate changes in subpolar and tropical Atlantic Ocean. *Nature*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9802**

Compiled by: Maureen Carragher
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