



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation - March 1998

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**Cannon, G.A., T.M. Joyce, D.J. Pashinski, K.R. Helfrich, and S.A. Harrington.**

Flow variability around a hydrothermal vent. *Geophys.Res.Lett.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9674**

**Edwards, C.A. and J. Pedlosky.**

Dynamics of nonlinear cross-equatorial flow. Part I: Potential vorticity transformation. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Edwards, C.A. and J. Pedlosky.**

Dynamics of nonlinear cross-equatorial flow: Part II: The tropically enhanced instability of the western boundary current. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Fofonoff, N.P.**

Nonlinear limits to ocean thermal structure. *J.Mar.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9673**

**Hahn, Mark E.**

Mechanisms of innate and acquired resistance to dioxin-like compounds.

*Rev.Toxicol., Ser.B*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9676**

**Jayne, Steven R. and Jochem Marotzke.**

Wind-driven variability of global ocean heat transport. *Science*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9681**

**Kite-Powell, L. Hauke, Di Jin, and Mary Schumacher.**

Productivity and competitiveness of shipyards in the United States. *Maritime Policy and Management*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9664**

**McManus, Jerry F.**

Radiometrically determined sedimentary fluxes in the sub-polar North Atlantic during the last 140,000 years. *Earth Planet.Sci.Lett.*, IN PRESS.

Contracts: OCE-9632372.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Nowacek, Douglas P., Peter L. Tyack, Randall S. Wells, and Mark P. Johnson.**

An onboard acoustic data logger to record biosonar of free-ranging bottlenose dolphins. *J.Acoust.Soc.Am.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9669**

**Robbins, Paul E. and William J. Jenkins.**

Observations of temporal changes of tritium-<sup>3</sup>He age in the eastern North Atlantic thermocline: Evidence for changes in ventilation?. *J.Mar.Res.*, IN PRESS.

Contracts: N00014-95-1, OCE91-16284, N00014-90-J-1384.

Contribution Number: **9667**

**Solow, Andrew R.**

Estimating settlement time. *Radiocarbon*, IN PRESS.

Contracts: Marine Policy Center.

Department of WHOI Author: MPC.

Contribution Number: **9660**

**Steele, John H. and Colin W. Clark.**

Relations between individual and population based plankton models.

*J.Plankton Res.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9677**

**Sundermeyer, Miles A. and James F. Price.**

Lateral mixing and the North Atlantic tracer release experiment.

*J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.,Contribution Number: **9682**

**Swift, Stephen A., Graham M. Kent, Robert S. Detrick, John A. Collins, and Ralph A. Stephen.**

Oceanic basement structure, sediment thickness, and heat flow near Hole 504B.

*J.Geophys.Res.*, IN PRESS.

Contracts: OCE93-01058, OCE95-29075.

Contribution Number: **9672**

**Tucholke, Brian E. and Jian Lin.**

Megamullions and mullions defining oceanic metamorphic core complexes on the Mid-Atlantic Ridge.

*J.Geophys.Res.*, IN PRESS.

Contracts: N00014-90-J-1621, OCE87-16713, OCE95-03561.

Contribution Number: **9671**

**Werner, Sandra R. and Robert C. Beardsley.**

The vertical structure of the tidal boundary layer on the southern flank of Georges Bank during strongly stratified conditions. *J.Geophys.Res.*, IN PRESS.

Contracts: OCE93-13671, OCE96-32357.

Contribution Number: **9668**

**White, Sheri N., Susan E. Humphris, and Martin C. Kleinrock.**

New observations on the distribution of past and present hydrothermal activity in the TAG area of the Mid-Atlantic Ridge (26°08'N).

*Mar.Geophys.Res.*, IN PRESS.

Contracts: OCE93-14697.

Contribution Number: **9670**

**Wijffels, Susan, Melinda M. Hall, Terrence Joyce, Daniel J. Torres, Peter Hacker,  
and Eric Firing.**

The multiple deep gyres of the Western North Pacific: A WOCE section along  
149°E. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9680**

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