



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation - September 1999

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**Ackert, Robert P., Jr., David J. Barclay, Harold W. Borns, Jr., Parker E. Calkin,  
Mark D. Kurz, James L. Fastook, and Eric J. Steig.**

Measurements of past ice sheet elevations in interior West Antarctica.  
*Science*, IN PRESS.  
Department of WHOI Author: GEOL. MCG.  
Contribution Number: **10026**

**Buesseler, Ken O., and Matthew A. Buesseler.**

Commentary on: "How accurate are the  $^{234}\text{Th}$  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: **NONE**

**Cenedese, Claudia, and Paul Linden.**

Stability of buoyancy-driven coastal current at the shelf break.  
*J. Fluid Mech.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10014**

**Chapman, David C.**

Boundary layer control of buoyant coastal currents and the establishment of a  
shelfbreak front. *J. Phys. Oceanogr.*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10033**

**Feng, Ming, Roger Lukas, Peter Hacker, Robert A. Weller, and Steven P. Anderson.**

Upper ocean heat and salt balances in the Western Equatorial Pacific in response  
to the intraseasonal oscillation during TOGA COARE. *J. Climate*, IN PRESS.  
Department of WHOI Author: PO.  
Contribution Number: **10036**

**Frese, Annette, Matthew P. Hare, Stephen R. Palumbi, and Cheryl Ann Butman.**

Rapid divergence of bivalve mitochondrial COI: Implications for molecular evolution. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10016**

**Gobat, J. I., and M. A. Grosenbaugh.**

Application the generalized-, method to the time integration of the cable dynamics equations. *Comput.Methods Appl.Mech.Eng.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10012**

**Grosenbaugh, Mark A., Jason I. Gobat, and Calvert F. Eck.**

Modeling the dynamics of a shallow-water oceanographic surface mooring using full-scale data. *Int.J.Offshore Polar Eng.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10013**

**Hare, Matthew P., Stephen R. Palumbi, and Cheryl Ann Butman.**

Single-step species identification of bivalve larvae using multiplex PCR. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10017**

**Honjo, Susumu, Roger Francois, Steven Manganini, Jack Dymond, and Robert Collier.**

Export fluxes in the western Pacific sector of the Southern Ocean along 170 degrees W. *Deep-Sea Res.I*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10025**

**Kaplan, Ilene M.**

Seafood auctions, market equity and the buying and selling of fish: Lessons on co-management from New England and the Mediterranean. *Mar.Pol.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10001**

**LaCasce, Joseph H.**

Baroclinic Rossby wave speeds in a square basin. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10029**

**McGillicuddy, D. J., D. R. Lynch, P. Wiebe, J. Runge, W. C. Gentleman, and C. S. Davis.**

Evaluating the U. S. GLOBEC Georges Bank broad-scale sampling pattern with observational systems simulation experiments. *Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10018**

**Norris, Richard D.**

Carbon cycling and chronology of climate warming during the Palaeocene/Eocene transition. *Nature*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Penas, A., E. Rolan, and C. Schander.**

The family Pyramidellidae Gray 1840 (Mollusca, Gastropoda Heterostropha) in West Africa. G. A. froturbonilla new genus. *Iberus*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10010**

**Pineda Jesus.**

Linking larval settlement to transport: Concepts for shallow water marine ecologists and fishery-scientists. *Book (unnamed)*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10020**

**Pratt, L. J., K. R. Helfrich, and E. P. Chassignet.**

Hydraulic adjustment to an obstacle in a rotating channel. *J.Fluid Mech.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10034**

**Snelgrove, Paul V. P. R., Judith P. Grassle, and Cheryl Ann Butman.**

Adult macrofauna effects on *Capitella* species I larval settlement: A laboratory flume study. *J.Mar.Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10031**

**Solow, Andrew R.**

The abundance of pelagic species and cod recruitment on Georges Bank. *Fish.Bull.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10027**

**Spall, Michael A.**

Generation of strong mesoscale eddies by weak ocean gyres. *J.Mar.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10023**

**Thwaites, F. T., and A. J. Williams, 3rd.**

BASS measurements of currents, waves, stress, and turbulence in the North Sea bottom-boundary layer. *IEEE J.Ocean.Eng.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10022**

**Turner, Jefferson T., Gregory J. Doucette, Christine L. Powell, David M. Kulis, Bruce A. Keafer, and Donald M. Anderson.**

Accumulation of red tide toxins in larger size fractions of zooplankton assemblages from Massachusetts Bay, USA. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10021**

**Whitcomb, Louis L., and Hanumant Singh.**

Combined Doppler/LBL based navigation of underwater vehicles. *In: 11th International Symposium on Unmanned Untethered Submersible Technology (UUST99), August 22-25, 1999, New England Center, Durham, New Hampshire, USA*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10015**

**White, S. N., A. D. Chave, G. T. Reynolds, E. J. Gaidos, J. A. Tyson, and C. L. Van Dover.**

Variations in ambient light emission from black smokers and flange pools on the Juan de Fuca Ridge. *Geophys.Res.Lett.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10030**

**Whitehead, J. A., Mary Louise Timmermans, W. Gregory Lawson, Sergey N. Bulgakov, Alejandro Martinez Zatarain, Jaime F. Almaguer Medina, and John Salzig.**

Partial mixing and double diffusion effects in doubly driven connection. *J.Fluid Mech.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10035**

**Wirsen, Carl O., and Stephen J. Molyneaux.**

A study of deep sea natural microbial populations and barophilic pure cultures using a high pressure chemostat. *Appl. Envir. Microbiol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10019**

**Zimmer, Richard K., and Cheryl Ann Butman.**

Chemical signaling processes in the marine environment. *Biol. Bull.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10032**

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