



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - January 1999

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Avent, Sean R., Stephen M. Bollens, Mari Butler, Erich Horgan, and Rodney Rountree.

Planktonic hydroids on Georges Bank: Ingestion and selection by predatory fishes. *Deep-Sea Res. II*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **9848**

Beet, Andrew, Christopher Costello, and Andrew Solow.

Lumpability and stability in food webs. *Ecology*, IN PRESS.
Department of WHOI Author: MPC.
Contribution Number: **9867**

Benitez-Nelson, Claudia R. and Ken O. Buesseler.

Temporal variability of inorganic and organic phosphorus in the coastal ocean. *Nature*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **9863**

Bollens, Stephen M., Erich Horgan, Stephanie Concelman, Laurence P. Madin, and Mari Butler.

Planktonic hydroids on Georges Bank: Effects of mixing and food supply on feeding and growth. *Deep-Sea Res. II*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **9847**

Butler, Mari, Stephen M. Bollens, James E. Craddock, Brenda Burkhalter, Patricia M. Kremer, Laurence P. Madin, Erick Horgan, and Karsten E. Hartel.

Predatory mesopelagic fishes of the Arabian Sea: Distribution, abundance and diet of *Chauliodus pammelas*, *Chauliodus sloani*, *Stomias affinis*, and *Stomias nebulosa*. *Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9850**

Caron, David A., Ee Lin Lim, Mark R. Dennett, Rebeca J. Gast, Carol Kosman, and Edward F. DeLong.

Molecular phylogenetic analysis of the heterotrophic chrysophyte genus *Paraphysomonas*, and the design of rRNA-targeted oligonucleotide probes for two species. *J. Phycol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9842**

Caswell, Hal, Masami Fujiwara, and Solange Brault.

Declining survival probability threatens the North Atlantic right whale.

Proceedings of the National Academy of Sciences, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9852**

Caswell, Hal and Ron Etter.

Cellular automaton models for competition in patchy environments: Facilitation, inhibition, and tolerance. *Bull. Math. Biol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9825**

Churchill, James H. and Thomas J. Berger.

Transport of middle Atlantic bight shelf water to the Gulf Stream near Cape Hatteras. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Dunn, Robert, Lauren S. Mullineaux, and Susan W. Mills.

Resuspension of postlarval soft-shell clams, *Mya arenaria*, soft-shell clam, *Illyanassa obsoleta*, disturbance, boundary shear stress, caging experiments. *Mar. Ecol. Prog. Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9828**

Farrington, J. W.

“Mussel Watch” and chemical contamination of the coasts by polycyclic aromatic hydrocarbons.

International Symposium in Marine Pollution, Monaco, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9866**

Howland, Jonathan C., Hanumant Singh, Martin Marra, and Daniel Potter.

Digital mosaicking of underwater imagery. *Sea Technol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9861**

Huang, Rui Xin.

Parameter study of a continuously stratified model of the ideal-fluid thermocline.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9868**

Leichter, James and Steven Miller.

Predicting high frequency upwelling: Spatial and temporal patterns of temperature anomalies on a Florida coral reef. *Cont.Shelf Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9871**

Mincks, Sarah L., Stephen M. Bollens, Laurence P. Madin, Erich Horgan, Mari Butler, Patricia M. Kremer, and James E. Craddock.

Distribution, abundance, and feeding ecology of decapods in the Arabian Sea, with implications for vertical flux. *Deep-Sea Res.II*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9849**

Minor, E. C. and T. I. Eglinton.

Molecular-level variations in POM subclasses along the Mid-Atlantic Bight.

Mar.Chem., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9864**

Minor, Elizabeth C., Timothy Eglinton, Jaap J. Boon, and Robert Olson.

A protocol for the characterization of oceanic paraticles via flow cytometric sorting and direct temperature resolved mass spectrometry.

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Department of WHOI Author: MCG.

Contribution Number: **9865**

Neubert, Michael G. and Hal Caswell.

Demography and dispersal: Invasion speeds in stage-structured populations.
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Department of WHOI Author: BIO.
Contribution Number: **9859**

Pedlosky, Joseph.

The Transmission of Rossby Waves Through Basin Barriers.
J.Phys.Oceanogr., IN PRESS.
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Contribution Number: **9874**

Rehmann, Chris R. and Timothy F. Duda.

Diapycnal diffusivity inferred from scalar microstructure measurements near the New England shelf/slope front. *J.Phys.Oceanogr.*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **9869**

Smith, Deborah K., Maurice A. Tivey, and Hans Schouten.

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Department of WHOI Author: GEOL.
Contribution Number: **9870**

Thwaites, F. T. and A. J. Williams, III.

BASS measurements of currents, waves, stress and turbulence in the North Sea bottom-boundary layer. *Proceedings of the IEEE Sixth Working Conference on Current Measurement*, IN PRESS.
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Ontogeny of foraging behavior in Atlantic cod (*Gadus morhua*) larvae feeding on protozoans and copepod nauplii. *Mar.Biol.*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **9846**

Watkins, William A. and Mary Ann Daher.

Variabile spectra and nondirectional character of clicks from near-surface sperm whales (*Physeter catodon*). In: *Advances in the Study of Echolocation of Bats and Dolphins*, Jeanette Thomas, Cindy Moss, Marianne Vater, eds. Chicago University Press, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9860**

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February 3, 1999