



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – October 2000

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Asher, William, James Edson, Wade McGillis, Ric Wanninkhof, David Ho, and Trina Litchendorf.

Fractional area whitecap coverage and air-sea gas transfer velocities measured during *GasEx-98*. In: *Gas Transfer at Water Surfaces*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10339**

Ashjian, Carin J., Cabell S. Davis, Scott M. Gallager, and Philip Alatalo.

Distribution of plankton, particles, and hydrographic features across Georges Bank using the video plankton recorder. *Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10028**

Bard, Shannon and John J. Stegeman.

Inhibition of Rhodamine B transport in liver, brain, and ovary by cyclosporin A: Development of an *in vivo* model for analysis of P-glycoprotein function. *Drug Metab. Dispos.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10305**

Bard, Shannon Mala, Michael M. Moore, and John J. Stegeman.

P-glycoprotein and cytochrome P450 1A expression in winter flounder (*Pleuronectes americanus*) cholangiocellular carcinomas. *Carcinogenesis*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10302**

Bard, Shannon Mala, Bruce R. Woodin, and John J. Stegeman.

Induction of P-glycoprotein P450 1A in fish (*Anoplaschus purpurascens*) exposed to environmental xenobiotics. *Aquat.Toxicol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10303**

Bard, Shannon Mala, Bruce R. Woodin, and John J. Stegeman.

P-glycoprotein activity does not affect the in vivo distribution of 3H-benzo[a] pyrene in a vertebrate model (*Fundulus heteroclitus*).

Biochem.Pharmacol., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10304**

Bard, Shannon Mala, Susan Bello, Mark Hahn, and John J. Stegeman.

Expression of P-glycoprotein in killfish (*Fundulus heteroclitus*) exposed to environmental xenobiotics. *Aquat.Toxicol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10306**

Buesseler, K. O., L. Ball, J. Andrews, J. K. Cochran, D. J. Hirschberg, M. P. Bacon, A. Fleer, and M. Brzezinski.

Upper ocean export of particulate organic carbon and biogenic silica in the Southern Ocean along 170°W. *Deep-Sea Res.II*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10328**

Concelman, S., S. M. Bollens, B. K. Sullivan, L. P. Madin, E. Horgan, M. Butler, and D. van Keuren.

Distribution, abundance and benthic-pelagic coupling of suspended hydroids on Georges Banks. *Deep-Sea Res.II*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10323**

Edwards, Katrina J., Bo Hu, Robert J. Hamers, and Jillian F. Banfield.

A new look at microbial leaching patterns on sulfide minerals.

FEMS Microbiol.Ecol., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Eggen, Trym H., James C. Preisig, and Arthur B. Baggeroer.

Communication over Doppler spread channels part II: Receiver characterization and practical results. *IEEE J.Ocean.Eng.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10325**

Hahn, Mark E.

Dioxin toxicology and the aryl hydrocarbon receptor: Insights from fish and other non-traditional models. *Mar.Biotechnol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10330**

Hamersley, M. Robert, Brian L. Howes, David S. White, Susan Johnke, Dale Young, Susan B. Peterson, and John M. Teal.

Nitrogen balance and cycling in an ecologically engineered septage treatment system. *Ecol.Eng.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10324**

Kilfoyle, Daniel B., James C. Preisig, and Arthur B. Baggeroer.

Spatial modulation over stochastic multiple-input/multiple-output channels.

IEEE Trans.Inf.Theory, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10329**

McKenna, Sean P. and Wade R.McGillis.

Surface divergence and air-water gas transfer. In: *4th International Symposium on Gas Transfer at Water Surfaces*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10336**

Norris, Richard D.

Pelagic species diversity, biogeography, and evolution. *Paleobiology*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Scheltema, Amelie.

Two new hydrothermal vent species, *Helicoradomenia bisquama* and *Helicoradomenia acredema*, from the Eastern Pacific Ocean (Mollusca, apacophora). *Argonauta*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10327**

Soloviev, Alexander, Jim Edson, Wade McGillis, Peter Schluessel, and Rik Wanninkhof.

Fine thermohaline structure and gas-exchange in the near-surface layer of the ocean during *GasEx-98*. In: *4th International Symposium on Gas Transfer at Water Surfaces*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10334**

Terray, Eugene, N. C. Kraus, B. Strong, and B. Brumley.

Validation of the Doppler shifted dispersion relation for waves in the presence of strong tidal currents, using ADCP wave directional spectra and comparison data. In: *6th International Conference on Wave Hindcasting and Forecasting*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10326**

Wanninkhof, Rik, Scott Doney, Taro Takahashi, and Wade McGillis.

The effect of using averaged winds on global air-sea CO₂ fluxes. In: *4th International Symposium on Gas Transfer at Water Surfaces*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10335**

White, Sheri N. and Alan D. Chave.

Investigations of ambient light emission at deep-sea hydrothermal vents. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10331**

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