



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles in Preparation – February 2002

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**Billiard, Sonya M, Mark E. Hahn, Diana G. Franks, Richard E. Peterson, Niels C. Bols and Peter V. Hodson**

Binding of polycyclic aromatic hydrocarbons (PAHs) to teleost aryl hydrocarbon receptors (AHRs). *Comp.Biochem.Physiol.*, IN PRESS.  
Department of WHOI Author: BIO.  
Contribution Number: **10614**

**Elder, Robert L., Brent G. Huntington and George T. Kotula**

State-of-the-art telemetry upgrade for the ROV Jason. In: *Oceanology International 2002*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10613**

**Gramling, C. M., D. C. McCorkle and A. E. Mulligan**

A carbon isotope method to quantify groundwater discharge at the land-sea interface. *Limnol.Oceanogr.*, IN PRESS.  
Department of WHOI Author: GEOL.  
Contribution Number: **10622**

**Herbers, T.H.C., Mark Orzech, Steve Elgar and R. T. Guza**

Shoaling transformation of wave frequency-directional spectra. *J.Geophys.Res.*, IN PRESS.  
Department of WHOI Author: AOPE.  
Contribution Number: **10620**

**Jewett, Stephen C., Thomas A. Dean, Bruce R. Woodin, Max K. Hoberg and John J. Stegeman**

Exposure to hydrocarbons ten years after the Exxon Valdez oil spill: evidence from cytochrome P4501A expression and biliary FACs in nearshore demersal fishes.

*Mar. Environ. Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10619**

**Jiang, Houshuo, Erik J. Anderson and Mark A. Grosenbaugh**

Numerical simulation of vortex ring formation in the presence of background flow with implications for squid propulsion. *J. Fluid Mech.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10623**

**Koopman, H. N., D. A. Pabst, W. A. McLellan, R. M. Dillaman and A. J. Read**

Changes in the blubber distribution and morphology associated with the starvation in the harbour porpoise (*Phocoena phocoena*): Evidence for regional variation in blubber structure and function. *Physiol. Biochem. Zool.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10604**

**Korenaga, Jun, Peter B. Kelemen and W. Steven Holbrook**

Methods for resolving the origin of large igneous provinces from crustal seismology.

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

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas**

Technological change and petroleum exploration in the Gulf of Mexico.

*Energy J.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10618**

**Morrison, J. R.**

In situ determination of the quantum yield of phytoplankton chlorophyll-a fluorescence:

A simple algorithm, observations, and a model.

*Limnol. Oceanogr.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10610**

**Schouten, Hans**

Paleomagnetic inclinations in DSDP Hole 417D reconsidered: secular variation or variable tilting. *Geophys.Res.Lett.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10615**

**Schouten, Hans and Peter B. Kelemen**

Melt viscosity, temperature and transport processes, troodos ophiolite, cyprus. *Earth Planet.Sci.Lett.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10617**

**Solow, Andrew R.**

Estimation of stratigraphic ranges when fossil finds are not randomly distributed. *Paleobiology*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10621**

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Compiled by: Maureen Carragher  
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library@whoi.edu  
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