



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - June 1998

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Abnet, Christian C., Robert L. Tanguay, Mark E. Hahn, and Richard E. Peterson.

Cloning and characterization of two forms of the rainbow trout (*Oncorhynchus mykiss*) aryl hydrocarbon receptor: Elevation of AhR mRNA abundance by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin. *Toxicol.Appl.Pharmacol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9742**

Arnofsky, Pamela F

Spiomenia spiculata gen. Et sp. Nov. (Aplacophera:Neomeniomorpha) collected from the deep waters of the West European Basin. *The Veliger*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9747**

Ashjian, Carin J., Sharon L. Smith, Charles N. Flagg, and Cara Wilson.

Patterns and occurrence of diel vertical migration of zooplankton biomass in the Mid-Atlantic Bight described by an acoustic Doppler current profiler.

Cont.Shelf Res., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9741**

Bachmayer, R., L. L. Whitcomb, and M. A. Grosenbaugh.

A four quadrant finite dimensional thruster model. *Oceans '98*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9749**

Benfield, M. C., P. H. Wiebe, T. K. Stanton, C. S. Davis, S. M. Gallagher, and C. H. Greene.

Estimating the spatial distribution of zooplankton biomass by combining video plankton recorder and single-frequency acoustic data.

Deep-Sea Res. II, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9718**

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

^{32}P , ^{33}P , ^7Pe , and ^{210}Pb as tracers of aerosol residence times and stratosphere/troposphere exchange. *J.Geophys.Res. C: Oceans Atmos.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9705**

Brink, K. H. and J. A. Allen.

Comments on ‘‘The non-wavelike response of a continental shelf to wind

J.Mar.Res., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Doutt, James A. and George V. Frisk.

Centimeter-level accuracies using GPS at sea to determine the range between a moving ship and a drifting buoy. *Oceans '98*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9735**

Edwards, Andrew M. and John Brindley.

Zooplankton mortality terms and dynamical behaviour of plankton population models.

Bull.Math.Biol., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9721**

Gobat, Jason I. and Mark A. Grosenbaugh.

WHOI cable: Time domain numerical modeling of moored and towed oceanographic systems. *Oceans '98*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9732**

Helfrich, Karl R., Joseph Pedlosky, and Eleanor Carter.

The shadowed island. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9722**

Huuskonen, Sirpa E., Arvo Tuvikene, Marina Trapido, and Mark E. Hahn.

CYP1A induction and prophyrin accumulation in PLHC-1 fish cells exposed to sediment and oil shale extracts. *Arch. Environ. Contam. Toxicol.*, IN PRESS.

Department of WHOI Author: BIO..

Contribution Number: **9738**

Kinsey, James C.

Drag characterization in the autonomous benthic explorer. *Oceans '98*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9734**

Minor, E. C., T. I. Eglinton, R. Olson, and J. J. Boon.

The compositional heterogeneity of particulate organic matter from the surface ocean: An investigation using flow cytometry and DT-MS.

Adv. Org. Geochem., Proc. Int. Meet., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9726**

Monaghan, E., and K. C. Ruttenberg.

Measurement of total dissolved phosphorus in the coastal ocean: A reassessment of available methods and an examination of seasonal water column phosphorus.

Limnol. Oceanogr., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9731**

Morrison, Archie T., III.

The single axis sample volume of the BASS rake acoustics current sensor.

Oceans '98, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9733**

Otte, Sandra, J. Gijs Kuenen, Lars P. Nielsen, Hans W. Paerl, Heide N. Schulz, Andreas Teske, Jacob Zopfi, V. Ariel Gallardo, Thomas Kjaer, Bettina Strotmann, and Bo B. Jergensen.

Ecophysical studies on partially purified mixed cultures of *Thioploca* species.

Appl. Environ. Microbiol., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9730**

Payne, Richard E. and Steven P. Anderson.

A new look at calibration and use of Eppley precision infrared radiometers.

J. Atmos. Oceanic Technol., IN PRESS.

Department of WHOI Author: PO .

Contribution Number: **9723**

Peucker-Ehrenbrink, Berhard, and Joel D. Blum.

Re-Os isotope systematics and weathering of Precambrian crustal rocks.

Geochim.Cosmochim.Acta, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9725**

Sancho, Gorka.

Factors regulating the height of spawning ascents in trunkfishes. *J.Fish Biol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9727**

Scheltema, Amélie H.

Discrimination of neomenioid species and genera through the morphology of hard parts (including seven new species and one new genus) (Neomeniomorpha, Aplacophora, Mollusca). *Biol.Bull.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9746**

Scheltema, Amélie H. and Dimitry L. Ivanov.

New evidence from an aplocophoran that segmentation is primitive in Mollusca.

Science, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9743**

Scheltema, Amélie H.

New eastern Atlantaic neomenioid aplacophoran species in formerly monotypic genera (Neomeniomorpha, Mollusca). *Ophelia*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9744**

Scheltema, Amélie H.

Ocheyoherpia trachia, a new neomenioid mollusc species from Macquarie Island, and an illustrated description of *Tegulaherpia tasmanica* Salvini-Plawen from Bass Strait (Neomeniomorpha, Aplacophora). *Records of the Australian Museum*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9745**

Solow, Andrew R.

On nonparametric estimation of functional response. *Ecology*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9736**

Solow, Andrew R.

On the effect of dependence on coverage estimation. *Biometrics*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9724**

Stanton, Timothy K.

From acoustic scattering models of zooplankton to acoustic surveys of large regions. *Proceedings of IEE Colloquium on Recent Advances in Sonar Applied to Biological Oceanography, London, UK, June 1998*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9716**

Thwaites, F. T., S. M. Gallager, C. S. Davis, A. M. Bradley, A. Girard, and W. Paul.

An autonomous winch and cable for the moored profiling video plankton recorder. *Oceans '98*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9737**

Watkins, William A., Mary Ann Daher, Gina M. Reppucci, Joseph E. George, Darel L. Martin, Nancy A. DiMarzio, Damon P. Gannon.

Seasonality and distribution of whale calls in the North Pacific.

Oceanography, IN PRESS.

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Contribution Number: **9729**

Williams, III, Albert J. and Fredrik T. Thwaites.

Earth coordinate 3-D currents from a modular acoustic velocity sensor.

Oceans '98, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9739**

Zenk, Walter, Gerold Siedler, Bernd Lenz, and Nelson G. Hogg.

Antarctic bottom water flow through the Hunder channel. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9720**

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