



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - October 1997

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Anderson, Donald M.

Physiology and bloom dynamics of toxic *Alexandrium* species, with emphasis on life cycle transitions. IN: *The Physiological Ecology of Harmful Algal Blooms*. D. M. Anderson, A. D. Cembella, and G. M. Hallegraeff, eds. Springer-Verlag, Heidelberg. IN PRESS.

Contracts: NSF OCE94-15536, NOAA NA36-RM-0190,
Natl Sea Grant NA90-AA-D-SG480, WHOI Sea Grant R/B-121,
Massachusetts Water Resource Authority.

Department of WHOI Author: BIO.

Contribution Number: **9550**

Benitez-Nelson, C. R. and K. O. Buesseler.

Sensitive techniques for the measurement of cosmogenic ^{32}P and ^{33}P activities in rain and seawater. *Anal.Chem.*, IN PRESS.

Contracts: STAR EPA Fellowship, NSF OCE96-33240,
WHOI Unrestricted Funds .

Department of WHOI Author: MCG.

Contribution Number: **9579**

Colosi, John A., Edward K. Scheer, Stanley M. Flatte, Bruce D. Cornuelle, Mathew A. Dzieciuch, Walter H. Munk, Peter Worcester, Bruce M. Howe, James A. Mercer, Robert C. Spindel, Kurt Metzger, Theodore G. Birdsall and Arthur B. Baggeroer.

Comparisons of measured and predicted acoustic fluctuations for a 3250-km propagation experiment in the eastern North Pacific Ocean.

J.Acoust.Soc.Am., IN PRESS.

Contracts: ONR N00014-97-1-0068.

Department of WHOI Author: AOPE.

Contribution Number: **9585**

Gawarkiewicz, Glen, Gennady Korotave, Sergey Stanichny, Leonid Repetin and Dmitry Soloviev.

Synoptic upwelling and cross-shelf transport processes along the Crimean Coast of the Black Sea. *Cont.Shelf Res.*, IN PRESS.

Contracts: NASA NAGW-4709.

Department of WHOI Author: PO.

Contribution Number: **9584**

Gonzalez-Gil, Sonsoles, Bruce A. Keafer, Raffael V. M. Jovine, Angele Aguileras and Donald M. Anderson.

Detection and quantification of alkaline phosphatase in single cells of phosphorus-starved marine phytoplankton, *Mar.Ecol.Prog.Ser.*, IN PRESS.

Contracts: NSF OCE94-15536, National Sea Grant NA46-RG-0470,

WHOI Sea Grant Project R/B-130.

Department of WHOI Author: BIO.

Contribution Number: **9581**

Goyet, C., F. Millero, D. O'Sullivan, G. Eischeid, S. McCue and R. Bellerby.

Temporal variations of pCO₂ in surface seawater of the Arabian Sea in 1995.

Deep-Sea Res., IN PRESS.

Contracts: NSF OCE93-10895.

Department of WHOI Author: MCG.

Contribution Number: **9583**

Hahn, Mark E.

The aryl hydrocarbon receptor: A comparative perspective.

Comp. Biochem. Physiol., IN PRESS.

Contracts: US PHS R29 ES06272, US PHS P42 ES07381.

Department of WHOI Author: BIO.

Contribution Number: **9593**

Hara, Tetsu, Erik J. Bock, James B. Edson and Wade R. McGillis.

Observation of short wind waves in coastal waters. *J.Phys.Oceanogr.*, IN PRESS.

Contracts: ONR N00014-95-1-0116, ONR N00014-96-1-0510,
ONR N00014-90-J-1717, ONR N00014-96-1-0516, NSF OCE94-09222,
NSF OCE94-10537.

Department of WHOI Author: AOPE.

Contribution Number: **9562**

Irish, Jim

Elastic tether mooring technology: experiences on Georges Bank.

Sea Technol., IN PRESS.

Contracts: NSF OCE93-013670, NSF OCE96-32348.

Department of WHOI Author: AOPE.

Contribution Number: **9543**

Korenaga, Jun, Peter B. Kelemen.

The origin of gabbro sills in the Moho transition zone of the Oman ophiolite:

Implications for magma transport in the oceanic lower crust.

J.Geophys.Res., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9590**

Kurz, M. D., A. P. le Roex and H. J. B. Dick.

Isotope geochemistry of the oceanic mantle near the Bouvet Triple Junction.

Geochim.Cosmochim.Acta., IN PRESS.

Contracts: NSF OCE96-18101.

Department of WHOI Author: MCG.

Contribution Number: **9582**

LaCasce, Joseph H.

A geostrophic vortex over a slope. *J.Phys.Oceanogr.*, IN PRESS.

Contracts: ONR N00014-92-J-1643, ONR N00014-92-J-1528.

Department of WHOI Author: PO.

Contribution Number: **9580**

McGillicuddy, D. J., A. R. Robinson, D. A. Siegel, R. Johnson, T. D. Dickey, H. W.

Jannasch, J. McNeil, A. F. Michaels and A. H. Knap.

New evidence for the impact of mesoscale eddies on biogeochemical cycling in the Sargasso Sea. *Nature*, IN PRESS.

Contracts: NAS7-1260-JPL960517.

Department of WHOI Author: AOPE.

Contribution Number: **9586**

Moore, Michael J., Michael Morss, Renee D. White and John J. Stegeman.

Cell proliferation in organs of the teleost fish scup *Stenotomus chrysops* exposed to the aryl hydrocarbon receptor agonist 3,3',4,4'-tetracholorobiphenyl.

Toxicol.Appl.Pharmacol., IN PRESS.

Contracts: NIH ES-07381, EPA R823889, AFOSR F40620-94-1039, NSF GLOBEC.

Department of WHOI Author: BIO.

Contribution Number: **9591**

Plueddemann, A. J., R. Krishfield, T. Takazawa, K. Hatakeyama and S. Honjo.

Upper ocean velocities in the Beaufort Gyre. *Geophys.Res.Lett.*, IN PRESS.

Contracts: ONR N00014-97-1-0135, ONR N00014-92-1-4950, JAMSTEC .

Department of WHOI Author: PO.

Contribution Number: **9589**

Polasky, Stephen and Andrew R. Solow.

The value of information in reserve site selection. *Biol.Conserv.*, IN PRESS.

Contracts: EPA R825311-01-0.

Department of WHOI Author: MPC.

Contribution Number: **9578**

Singh, Hanumant, Dana Yoerger, Ralf Bachmayer, Albert Bradley and William Stewart.

Sonar mapping with the autonomous benthic explorer (ABE). IN: *Ninth International Symposium on Unmanned Untethered Submersible Technology September 25-27, 1995*, IN PRESS.

Contracts: ONR N00014-90-C-0098, NSF OCE92-16755.

Department of WHOI Author: AOPE.

Contribution Number: **9532**

Solow, Andrew R. and Stephen Polasky.

More on the value of a collection of species.

J.Environ.Econ.Manage., IN PRESS.

Contracts: The Marine Policy Center.

Department of WHOI Author: MPC.

Contribution Number: **9561**

Wheatcroft, Robert A., Victoria R. Starczak and Cheryl Ann Butman.

The impact of population abundance on the deposit-feeding rate of a cosmopolitan polychaete worm. *Limnol.Oceanogr.*, IN PRESS.

Contracts: ONR N00014-93-1-1042.

Department of WHOI Author: AOPE.

Contribution Number: **9587**

Whitehead, J. A.

Multiple T-S states for estuaries, shelves, and marginal seas. *Estuaries*, IN PRESS.

Contracts: ONR N00014-97-1-0195.

Department of WHOI Author: PO.

Contribution Number: **9577**

Yawetz, Aminadav, Bruce R. Woodin and John J. Stegeman.

Cytochromes P450 (CYP) in liver of the turtle *Chrysemys picta picta* and the induction and partial purification of CYP1A-like proteins.

Biochim.Biophys.Acta, IN PRESS.

Contracts: EPA 823890, NIH ES-07381, AFOSR 94-1-0368,

Office of Sea Grant NA46-RG-0470R/P53.

Department of WHOI Author: BIO.

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