



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in July 2002

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Ashjian, Carin J., Sharon L. Smith, Charels N. Flag, and Nasseer Idrisi.

Distribution, annual cycle, and vertical migration of acoustically derived biomass in the Arabian Sea during 1994-1995. *Deep-Sea Res. II*, 49:2377-2402, 2002.
Department of WHOI Author: BIO.
Contribution Number: **10537**

Austin, Jay A. and Steven J. Lentz.

Two-dimensional wind-driven downwelling on a stratified shelf. *J. Phys. Oceanogr.*, 32:2171-2193, 2002.
Department of WHOI Author: PO.
Contribution Number: **10406**

Bains, Santo, Richard D. Norris, Richard M. Corfield, and Kristina L. Faul.

Termination of global warmth at the Palaeocene/Eocene boundary through productivity feedback. *Nature*, 407:171-174, 2000.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Band-Schmidt, C. J., C. H. Lechuga-Deveze, D. M. Kulis, and D. M. Anderson.

Culture studies of *Alexandrium* affine (Dinophyceae), a non-toxic cyst forming dinoflagellate from Bahia Concepcion, Gulf of California. *Bot. Mar.*, Bot. Mar., .
Department of WHOI Author: BIO.
Contribution Number: **10763**

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.*, 59:237-251, 2002.
Department of WHOI Author: BIO.
Contribution Number: **10306**

Betka, Marlies, Alice Welenc, Diana G. Franks, Mark E. Hahn, Gloria and V. Callard.

Characterization of two Aryl hydrocarbon receptor (Ahr) mRNA forms in the spiny dogfish (*Squalus acanthias*) and stage-dependent expression during spermatogenesis. *Bull.Mt.Desert Isl. Biol.Lab.*, 39:110-112, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10116**

Bowen, G., P. L. Koch, P. D. Gingerich, R. D. Norris, S. Bains, and R. M. Corfield.

Refined isotope stratigraphy across the continental Paleocene-Eocene boundary on Polecat Bench in the northern Bighorn Basin. In: *Paleocene-Eocene Stratigraphy and Biotic Changes in the Bighorn and Clarks Fork Basins, Wyoming*, P.D. Gingerich, ed., University of Michigan Papers on Paleontology, 33:73-88, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Bucklin, A., O. S. Astthorsson, a. Gislason, L. D. Allen, S. B. Smolenack, and P. H. Wiebe.

Population genetic variation of *C. finamarchicus* in Icelandic waters: Preliminary evidence of genetic differences between Atlantic and Arctic populations. *J.Mar.Sci.*, 57:1592-1604, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10293**

Bucklin, Ann, Peter Wiebe, Susann B. Smolenack, Nancy Copley, and M. Elizabeth Clarke.

Integrated biochemical, molecular genetic, and bioacoustical analysis of mesoscale variability of the euphausiid *Nematoscelis difficilis* in the California Current. *Deep-Sea Res.I*, 49:437-462, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10427**

Cammen, L., D. M. Anderson, and Q. Dortch.

Prevention, control and mitigation of harmful algal blooms: A research plan. In: *Report for Congress, National Sea Grant College Program, National Oceanic and Atmospheric Administration, Silver Spring, MD*, 24pp., 2001.

Department of WHOI Author: BIOL.

Contribution Number: **NONE**

Carmichael, W. W., C. Drapeau, and D. M. Anderson.

Harvesting of *Aphanizomenon flos-aquae* Ralfs ex Born. & Flah. Var. flos-aquae (cyanobacteria) from Klamath Lake for human dietary use. *J.Appl.Phycol.*, 12:585-595, 2000.

Department of WHOI Author: BIOL.

Contribution Number: **NONE**

Dusenberry, J. A., R. J. Olson, and S. W. Chisholm.

Photoacclimation kinetics of single-cell fluorescense in laboratory and field populations of *Prochlorococcus*. *Deep-Sea Res.I*, 48(6):1443-1458, 2001.

Department of WHOI Author: BIOL.

Contribution Number: **NONE**

Erbacher, Jochen, Brian T. Huber, Richard D. Norris, and Molly Markey.

Increased thermohaline stratification as a possible cause for an ocean anoxic event in the Cretaceous period. *Nature*, 409:325-327, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Evans, Rob L., Spahr C. Webb, and the RIFT-UMC Team.

Crustal resistivity structure at 9°5' N on the East Pacific Rise: Results of an electromagnetic survey. *Geophys.Res.Let.*, 29(6):10.1029/2001/GL014106, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Fischer, Albert S., Robert A. Weller, Daniel L. Rudnick, Charles E. Ericksen, Craig M. Lee, Kenneth H. Brink, Chad A. Fox, and Robert R. Leben.

Mesoscale eddies, coastal upwelling, and the upper ocean heat budget in the Arabian Sea. *Deep-Sea Res.II*, 49:2231-2264, 2002.

Department of WHOI Author: PO.

Contribution Number: **10388**

Frysjinger, Glenn S., Richard B. Gaines, and Christopher M. Reddy.

GC x GC-A new analytical tool for environmental forensics.

Environ.Forensics, 3:27-34, 2002.

Department of WHOI Author: MCG.

Contribution Number: **10585**

Harris, Robert N., Grant Garven, Jennifer Georgen, Marcia K. McNutt, Lizet Christiansen, and Richard P. Von Herzen

Submarine hydrogeology of the Hawaiian archipelagic apron 2. Numerical simulations of coupled heat transport and fluid flow.

J.Geophys.Res., 105(B9):21,371-21,385, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Hestermann, Eli V., John J. Stegeman, and Mark E. Hahn.

Serum withdrawal leads to reduced aryl hydrocarbon receptor expression and loss of cytochrome P4501A inducibility in PLHC-1 cells.

Biochem.Pharmacol., 63:1405-1414, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10397**

Howarth, R., D. Anderson, J. Cloern, C. Elfring, C. Hopkinson, B. Lapointe, T. Malone, N. Marcus, K. McGlathery, A. Sharpley, and D. Walker.

Nutrient pollution of coastal rivers, bays, and seas. *Iss.Ecol.*, 7:2-15, 2000.

Department of WHOI Author: BIOL.

Contribution Number: **NONE**

Huang, Rui Xin and Xiangze Jin.

Sea surface elevation and bottom pressure anomalies due to thermohaline forcing, Part I: Isolated perturbations. *J.Phys.Oceanogr.*, 32:2131-2150, 2002.

Department of WHOI Author: PO.

Contribution Number: **10360**

Kim, Eun-Young and Mark E. Hahn.

cdNA cloning and characterization of an aryl hydrocarbon receptor as a biomarker of dioxin susceptibility in harbor seals (*Phoca vitulina*). *Aquat.Toxicol.*, 58:57-73, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10418**

Kim, S.-W., R. J. Schneider, K. F. von Reden, J. M. Hayes, J. S. C. Wills, W. G. E. Kern.

Test of positive ion beams from a microwave ion source for AMS. *In: Proceedings of the 16th International Conference on Applications of Accelerators in Research and Industry, Denton, TX, J. L. Duggan and I. L. Morgan, eds.*, 576:407-410, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Orr, Marshall H., Loren R. Haury, Peter H. Wiebe, Melbourne G. Briscoe.

Backscatter of high frequency (200 KhZ) acoustic wave fields from ocean turbulence. *J.Acoust.Soc.Am.*, 108(4):1595-1601, 2000.
Department of WHOI Author: AOPE
Contribution Number: **9853**

Pearson, P. N., R. D. Norris, A. J. Empson.

Mutabella dentata Gen. et sp. Nov., a miocene microperforate planktonic foraminifer with an extreme level of intraspecific variability. *J.Foramin.Res.*, 31(2):120-132, 2001.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Pershing, Andrew J., Peter H. Wiebe, James P. Manning, Nancy J. Copley.

Evidence for vertical circulation cells in the well-mixed area of Georges Bank and their biological implications. *Deep-Sea Res.II*, 48(1-3):283-310, 2001.
Department of WHOI Author: BIO.
Contribution Number: **9810**

Pineda, Jesus, Manuel Lopez

Temperature, stratification and barnacle larval settlement in two Californian sites. *Cont.Shelf Res.*, 22:1183-1198, 2002.
Department of WHOI Author: BIOL.
Contribution Number: **10521**

Powell, Wade H., Mark E. Hahn.

Identification and functional characterization of hypoxia-inducible factor 2 **a** from the marine teleost, *Fundulus heteroclitus*: Interaction of HIF-2 **a** with two ARNT2 splice variants. *J.Exper.Zool.*, 294:17-29, 2002.
Department of WHOI Author: BIO.
Contribution Number: **10499**

Rohl, U., T. J. Bralower, R. D. Norris, and G. Wefer.

New chronology for the late Paleocene thermal maximum and its environmental implications. *Geology*, 28:927-930, 2000.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Ross, D. A.

The Fisherman's Ocean. Stackpole Books, Mechanicsburg, PA, 299pp., 2000.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Sengco, Mario R., Aishao Li, Kimberly Tugend, David Kulis, and Donald M. Anderson.

Removal of red and brown tide cells using clay flocculation: 1. Laboratory culture experiments with *Gymnodinium breve* and *Aureococcus anophagefferens*.

Mar.Ecol.Prog.Ser., 210:41-53, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10142**

Solow, Andrew, Cabell Davis, and Qiao Hu.

Estimating the composition of a sample when individuals are classified with error.

Mar.Ecol.Prog.Ser., 216:309-311, 2001.

Department of WHOI Author: MPC.

Contribution Number: **10298**

von Reden, K. F.

Transmission properties for the recombinator - Tandetron configuration at the NOSAMS facility. In: *Proceedings of the 16th International Conference on Applications of Accelerators in Research and Industry, Denton, TX*, J. L. Duggan and I. L. Morgan, eds., 576:373-376, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Weller, R. A., A. S. Fischer, D. L. Rudnick, C. C. Eriksen, T. D. Dickey, J. Marra, C. Fox, and R. Leben.

Moored observations of upper ocean response to the monsoon in the Arabian Sea during 1994-1995. *Deep-Sea Res.*, 49:2195-2230, 2002.

Department of WHOI Author: PO.

Contribution Number: **10421**

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