



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles Received in May 2000

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**Aguilera, Angeles, Gonzalez-Gil, Sonsales, Bruce A. Keafer, and Donald M. Anderson.**

Isolation of the toxic marine dinoflagellate *Alexandrium fundyense* from unpreserved cultures by magnetic affinity cell sorting. In: *Harmful Algae*. B. Reguera, J. Planco, M. L. Fernandez, and T. Wyatt, eds. Yunta de Galicia and Intergovernmental Oceanographic Commission of UNESCO, :258-259, 1998.  
Department of WHOI Author: BIO.  
Contribution Number: **9454**

**Agustsdottir, Anna M., Eric J. Barron, Karen L. Bice, Lee A. Colarusso, Janette L. Cookman, Brian A. Cosgrove, Jennifer L. De Lurio, Jan F. Dutton, Brent J. Frakes, Lawrence A. Frakes, Carmen J. Moy, Thomas D. Olszewski, Richard D. Pancost, Christopher J. Poulsen, Charles M. Ruffner, Douglas G. Sheldon, and Timothy S. White (PSUCLIM).**

Storm activity in ancient climates 1. Sensitivity of severe storms to climate forcing factors on geologic timescales.  
*J.Geophys.Res.*, 104(D22):27277-27293, 1999.  
Department of WHOI Author: GEOL.  
Contribution Number: **NONE**

**Agustsdottir, Anna M., Eric J. Barron, Karen L. Bice, Lee A. Colarusso, Janette L. Cookman, Brian A. Cosgrove, Jennifer L. De Lurio, Jan F. Dutton, Brent J. Frakes, Lawrence A. Frakes, Carmen J. Moy, Thomas D. Olszewski, Richard D. Pancost, Christopher J. Poulsen, Charles M. Ruffner, Douglas G. Sheldon, and Timothy S. White (PSUCLIM).**

Storm activity in ancient climates 2: An analysis using climate simulations and sedimentary structures. *J.Geophys.Res.*, 104(D22):27295-27320, 1999.  
Department of WHOI Author: GEOL.  
Contribution Number: **NONE**

**Ahner, B. A., F. M. M. Morel, and J. W. Moffett.**

Trace metal control of phytochelatin production in coastal waters.

*Limnol.Oceanogr.*, 42(3):601-608, 1997.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Aldredge, Alice L., David L. Bradley, Douglas Butterworth, and John H. Steele.**

Assessing the global distribution and abundance of marine life: Summary of a workshop sponsored by the Sloan Foundation and the Office of Naval Research,

January 13-15, 1998, Monterey, California. *Oceanography*, 12(3):41-46, 1999.

Department of WHOI Author: MPC.

Contribution Number: **NONE**

**Ambar, I., L. Armi, A. Bower, and T. Ferreira.**

Some aspects of time variability of the Mediterranean water off south Portugal.

*Deep-Sea Res.I*, 46:1109-1136, 1999.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Anderson, Don and Rocky Geyer.**

ECOHAB-Gulf of Maine investigators plumb red tide depths.

In: *Gulf of Maine News*, Summer:1-3, 1999.

Department of WHOI Author: BIO. AOPE.

Contribution Number: **NONE**

**Anderson, Donald M., Allan D. Cembella, and Gustaaf M. Hallegraeff.**

*The Physiological Ecology of Harmful Algal Blooms* Donald M. Anderson, Allan D. Cembella, and Gustaaf M. Hallegraeff, eds. Springer-Verlag, Berlin, 662 pp., 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Anderson, Steven P. and Robert A. Weller.**

Air-sea interaction in the eastern tropical Pacific - an experiment of the Pan American Climate Study (PACS) during the 1997-1998 ENSO. In: *13th*

*Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas.* James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :38-39, 1999.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Ando, Amy, Jeffrey Camm, Stephen Polasky, and Andrew Solow.**

Species distributions, land values, and efficient conservation.

*Science*, 279:2126-2128, 1998.

Department of WHOI Author: MPC.

Contribution Number: **9601**

**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.*, 18(8):831-858, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9741**

**Bainy, Afonso C. D., Bruce R. Woodin, and John J. Stegeman.**

Elevated levels of multiple cytochrome P450 form in tilapia from Billings Reservoir-Sao Paulo, Brazil. *Aquat.Toxicol.*, 44:289-305, 1999.

Department of WHOI Author: BIO.

Contribution Number: **9549**

**Barbeau, K. and J. W. Moffett.**

Dissolution of iron oxides by phagotrophic protists: Using a novel method to quantify reaction rates. *Environ.Sci.Technol.*, 32(19):2969-2975, 1998.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Barbeau, M. A. and J. E. McDowell.**

Improving the production of scallops from bottom culture.

*World Aquacult.*, 29(4):12-16, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Bellino, Mary, Karl F. von Reden, Robert J. Schneider, John C. Peden, Joanne Donoghue, Kathryn L. Elder, Alan R. Gagnon, Patricia Long, Ann P. McNichol, Carrie Odegaard, Dana Stuart, Susan Handwork, and John M. Hayes.**

Status report of the National Ocean Sciences AMS facility at Woods Hole Oceanographic Institution: Operations and recent developments. In: *Proceedings of the Fifteenth International Conference on Application of Accelerators in Research and Industry, November 1998, Denton, TX.* J. L. Duggan and I. L. Morgan, eds. AIP Conference Proceedings Volume 475, American Institute of Physics, New York:644-647, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Benitez-Nelson, Claudia R., Ken O. Buessler, and Glenn Crossin.**

Upper ocean carbon export, horizontal transport, and vertical eddy diffusivity in the southwestern Gulf of Maine. *Cont.Shelf Res.*, 20(6):707-736, 2000.

Department of WHOI Author: MCG.

Contribution Number: **9777**

**Bidigare, R. R., K. L. Hanson, K. O. Buesseler, S. G. Wakeham, K. H. Freeman, R. D. Pancost, F. J. Millero, P. Steinberg, B. N. Popp, M. Latasa, M. R. Landry, and E. A. Laws.**

Iron-stimulated changes in C-13 fractionation and export by equatorial Pacific phytoplankton: Toward a paleogrowth rate proxy.

*Paleoceanography*, 14(5):589-595, 1999.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Black, V. H., P. M. Shaw, S. I. Karchner, W. Powell, and M. E. Hahn.**

Differential expression of CYP1A1 and CYP1A2, but not of AHR and ARNT, in guinea pig adrenal and liver. *Endocr.Res.*, 24(3-4):631-632, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Bock, Erik J., John W. H. Dacey, James B. Edson, Nelson M. Frew, Tetsu Hara, and Wade R. McGillis.**

Air-sea gas exchange in coastal waters. In: *13th Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas*. James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :417-420, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Brady, David and James C. Preisig.**

Underwater acoustic communications. In: *Wireless Communications, Signal Processing Perspectives*. H. Vincent Poor and Gregory W. Wornell, eds. Prentice Hall Signal Processing Series, Alan V. Oppenheim, series editor. Prentice Hall, Englewood Cliffs, NJ, :330-379, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Breddam, Kresten, Mark D. Kurz, and Michael Storey.**

Mapping out the conduit of the Iceland mantle plume with helium isotopes.

*Earth Planet.Sci.Lett.*, 176(1):45-55, 2000.

Department of WHOI Author: MCG.

Contribution Number: **10055**

**Brinkhoff, Thorsten, Gerard Muyzer, Carl O. Wirsen, and Jan Kuever.**

*Thiomicrospira kuenenii* sp. nov. and *Thiomicrospira frisia* sp. nov., two mesophilic obligately chemolithoautotrophic sulfur-oxidizing bacteria isolated from an intertidal flat. *Int.J.Systm.Bacteriology*, 49:385-392, 1999.

Department of WHOI Author: BIO.

Contribution Number: **9694**

**Buesseler, K. O. and I. Osvath.**

Special issue - The Black Sea. *J.Environ.Radioact.*, 43(2):119-120, 1999.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Burgess, W. C., P. L. Tyack, B. J. Le Boeuf, and D. P. Costa.**

A programmable acoustic recording tag and first results from free-ranging northern elephant seals. *Deep-Sea Res.II*, :45:1327-1351, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9437**

**Cacchione, D. A., P. L. Wiberg, J. Lynch, J. Irish, and P. Traykovski.**

Estimates of suspended-sediment flux and bedform activity on the inner portion of the Eel River continental shelf. *Mar.Geol.*, 154:83-97, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Campbell, L., M. R. Landry, J. Constantinou, H. A. Nolla, S. L. Brown, H. Liu, and D. A. Caron.**

Response of microbial community structure to environmental forcing in the Arabian Sea. *Deep-Sea Res.II*, 45:2301-2325, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Caron, D. A., D. J. Lonsdale, and M. R. Dennett.**

Bacterivory and herbivory play key roles in fate of Ross Sea production.

*Antarct.J.U.S.*, 32(5):81-83, 1997.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Caswell, H. and M. Neubert.**

Short communication. Chaos and closure terms in plankton food chain models.

*J.Plank.Res.*, 20:1837-1845, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Caswell, Hal and Ron Etter.**

Cellular automaton models for competition in patchy environments: Facilitation, inhibition, and tolerance. *Bull.Math.Biol.*, 61(4):625-649, 1999.

Department of WHOI Author: BIO.

Contribution Number: **9825**

**Chekalyuk, A. M., R. J. Olson, and H. M. Sosik.**

Pump-during-probe fluorometry of phytoplankton: Group-specific photosynthetic characteristics from individual cell analysis. In: *Ocean Optics XIII*.

S. G. Ackleson, Robert Frouin, eds. Proceedings of SPIE 2963, Bellingham, Washington, :840-845, 1997.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Chu, Dezhang.**

Kriging software for MATLAB 5.2. *Gulf of Maine News*, Fall 1998:15, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Clift, Peter D. and Christopher J. MacLeod,**

Slow rates of subduction erosion estimated from subsidence and tilting of the Tonga forearc. *Geology*, 27(5):411-414, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **9838**

**Clift, Peter D.**

The thermal impact of Paleocene magmatic underplating in the Faeroe-Shetland-Rockall region. In: *Petroleum Geology of Northwest Europe: Proceedings of the 5th Conference*. A. J. Fleet and S. A. R. Boldy, eds. Petroleum Geology '86 Ltd., Geological Society, London, :585-593, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **9610**

**Connor, Richard C., Janet Mann, Peter L. Tyack, and Hal Whitehead.**

Social evolution in toothed whales. *Trends Ecol.Evol.*, 13:228-232, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Crago, Tracey.**

Back to school with bluefin tuna. *Two if by Sea*, 2(2):3, 1998.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

Sex lives and videotape: Complex squid mating strategies may help combat increased fishing pressure. *Two if by Sea*, 2(3):1, 5, 1998.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

“You-rake-it” clam farms: A new tourist attraction? *Two if by Sea*, 1(1):3, 1997.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

North River dye study flushes out clues to estuarine ecology.

*Two if by Sea*, 1(4):1, 5, 1997.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

Digging beneath the sands of time. *Two if by Sea*, 1(3):3-4, 1997.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

Wanted: Recruits for Barnstable Harbor. *Two if by Sea*, 1(2):1, 5, 1997.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

Ctenophore diet and feeding behavior offer clues to fisheries-related food chain dynamics. *Two if by Sea*, 3(4):3, 1999.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

The risky business of offshore marine aquaculture.

*Two if by Sea*, 3(2/3):1, 5, 1999.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracey.**

Maintaining stability in a changing coastal system: A geological contradiction?

*Two if by Sea*, 2/3(4/1):3, 1998.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracy I.**

Challenges of the unknown beckons scientists who study risk.

*Nor'easter*, 9(2):28-31, 1997.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Crago, Tracy I.**

The link between environmental contaminants and animal susceptibility.

*Two If By Sea*, 4(1):1, 5, 2000.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

**Croot, Peter L., James W. Moffett, and Larry E. Brand.**

Production of extracellular Cu complexing ligands by eucaryotic phytoplankton in response to Cu stress. *Limnol.Oceanogr.*, 45(3):619-527, 2000.

Department of WHOI Author: MCG.

Contribution Number: **9844**

**Curran, Daniel A.**

Summary of supreme court briefs. In: *Neither Separate Nor Equal: Legislature and Executive in Rhode Island Constitutional History by Patrick T. Conley.*

Rhode Island Publications Society, East Providence, RI, :202-204, 1999.

Department of WHOI Author: MPC.

Contribution Number: **NONE**

**Dacey, John W. H., James B. Edson, Paul M. Holland, and Wade R. McGillis.**

In situ estimation of air-sea gas transfer using DMS. In: *13th Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas.* James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :425-426, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**DeGrandpre, M. D., M. M. Baehr, and T. R. Hammar.**

Calibration-free optical chemical sensors. *Anal.Chem.*, 71(6):11512-1159, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Dickey, T. D., G. C. Chang, Y. C. Agrawal, A. J. Williams, 3rd, and P. S. Hill.**

Sediment resuspension in the wakes of Hurricanes Edouard and Hortense.

*Geophys.Res.Lett.*, 25(18):3533-3536, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**



**Dickey, Tommy, Albert J. Plueddemann, and Robert A. Weller.**

Current and water property measurements in the coastal ocean. In: *The Sea. Volume 10*, Kenneth H. Brink and Alan R. Robinson, eds. John Wiley & Sons, Inc., NY, :367-398, 1998.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Diebold, John, Neal Driscoll, and the EW-9501 Science Team.**

New insights on the formation of the Caribbean basalt province revealed by multichannel seismic images of volcanic structures in the Venezuelan Basin.

In: *Caribbean Basins. Sedimentary Basins of the World, 4*. P. Mann, ed. K. J. Hsu, Series Editor. Elsevier Science B. V., Amsterdam, :561-589, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Doehmer, J., J. T. Buters, A. Luch, V. Soballa, W. M. Baird, H. Morisson, J. J. Stegeman, A. J. Townsend, W. F. Greenlee, H. R. Glatt, A. Seidel, J. Jacob, And H. Greim.**

Molecular studies on the toxifying effects by genetically engineered cytochromes P450. *Drug Metab.Rev.*, 31(2):423-435, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Driscoll, Neal W., Jeffrey K. Weissel, and John A. Goff.**

Potential for large-scale submarine slope failure and tsunami generation along the U.S. mid-Atlantic coast. *Geology*, 28(5):407-410, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10119**

**Driscoll, Neal W. and John B. Diebold.**

Tectonic and stratigraphic development of the eastern Caribbean: New constraints from multichannel seismic data. In: *Caribbean Basins. Sedimentary Basins of the World, 4*. P. Mann, ed. K. J. Hsu, Series Editor. Elsevier Science B. V. Amsterdam., :591-626, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **9503**

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

Frequency distributions of phytoplankton single-cell fluorescence and vertical mixing in the surface ocean. *Limnol.Oceanogr.*, 44(2):431-435, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Edson, James B., Wade R. McGillis, and Nelson M. Frew.**

Atmospheric forcing and energy exchange during the 1997 CoOP gas exchange experiment. In: *13th Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas*. James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :351-354, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Ellegard, M., D. Kulis and D. Anderson.**

Cysts of Danish *Gymnodinium nolleri* Ellegaard et Moestrup sp. ined.

(*Dinophyceae*): Studies on encystment, excystment, and toxicity.

*J.Plankton Res.*, 20:1743-1755, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9702**

**Elskus, Adria A., Emily Monosson, Anne E. McElroy, John J. Stegeman, and Dana S. Woltering.**

Altered CYP1A expression Fundulus heteroclitus adults and larvae: A sign of pollutant resistance?. *Aquat.Toxicol.*, 45:99-113, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Evans, Brian, Yves Bernabe, and Wenlu Zhu.**

Evolution of pore structure and permeability of rocks in laboratory experiments.

In: *Growth Dissolution, and Pattern Formation in Geosystems*. Bjorn Jamtveit and Paul Meakin, eds. Kluwer Academic Publishers, Netherlands, :327-344, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Fent, Karl, Bruce R. Woodin, and John J. Stegeman.**

Effects of triphenyltin and other organotins on hepatic monooxygenase system in fish. *Comp.Biochem.Physiol.C*, 121:277-288, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Francois, Roger, Michael P. Bacon, Daniel M. Sigman, and Ein-Fen Yu.**

Oceanography. *McGraw-Hill Yearbook of Science and Technology 1998*.

McGraw-Hill, New York, :274-277, 1998.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Frew, Nelson M.**

The role of organic films in air-sea gas exchange. In: *The Sea Surface and Global Change*, Peter S. Liss and Robert A. Duce, eds. Cambridge University Press, Cambridge, New York, :121-170, 1997.

Department of WHOI Author: MCG.

Contribution Number: **8875**

**Frew, Nelson M., Erik J. Bock, Robert K. Nelson, W. R. McGillis, James B. Edson, and Tetsu Hara.**

Spatial variations in surface microlayer surfactants and their role in modulating air-sea exchange. In: *13th Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas*. James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :421-424, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Fukui, Manabu, Andreas Teske, Bernhard Abmus, Gerard Muyzer, and Friedrich Widdel.**

Physiology, phylogenetic relationships, and ecology of filamentous sulfate-reducing bacteria (genus *Desulfonema*). *Arch.Microbiol.*, 172:193-203, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Gallager, Scott M., Jeff Van Keuren, and Phillip Alatalo.**

First-feeding cod larvae live for microzooplankton.

*Gulf of Maine News*, Fall 1998:4-5, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Garrison, David L., Marcia M. Gowing, Margaret P. Hughes, Lisa Campbell, David A. Caron, Mark R. Dennett, Alexi Shalapyonok, Robert J. Olson, Michael R. Landry, Susan L. Brown, Hong-Bin Liu, Farooq Azam, Grieg F. Steward, Hugh W. Ducklow, and David C. Smith.**

Microbial food web structure in the Arabian Sea: A US JGOFS study.

*Deep-Sea Res.II*, 47:1387-1422, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Gast, R. J., T. A. McDonnell, and D. A. Caron.**

Sr DNA-based taxonomic affinities of algal symbionts from planktonic foraminifer and a solitary radiolarian. *J.Phycol.*, 36(1):172-177, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9992**

**Gin, Karina Y. H., Sallie W. Chisholm, and Robert J. Olson.**

Seasonal and depth variation in microbial size spectra at the Bermuda Atlantic time series station. *Deep-Sea Res.I*, 46:1221-1245, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Goericke, R., R. J. Olson, and A. Shalapyonok.**

A novel niche for *Prochlorococcus* sp. in low-light suboxic environments in the Arabian Sea and the Eastern Tropical North Pacific.

*Deep-Sea Res.I*, 47:1183-1205, 2000

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Gonzalez-Gil, Sonsoles, Bruce A. Keafer, Angeles Aguilera, and Donald M. Anderson.**

Detection of endogenous alkaline phosphatase in marine dinoflagellates by epifluorescence microscopy. In: *Harmful Algae*. B. Reguera, J. Blanco, M. L. Fernandez, and T. Wyatt, eds. Ynta de Galicia and Intergovernmental Oceanographic Commission of UNESCO, :374-375, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Greene, Charles H., Peter H. Wiebe, Chris Pelkie, Mark C. Benfield, and Jacqueline M. Popp.**

Three-dimensional acoustic visualization of zooplankton patchiness.

*Deep-Sea Res.II*, 45:1201-1217, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9766**

**Greene, Charles H., Peter H. Wiebe, Andrew J. Pershing, Gideon Gal, Jacqueline M. Popp, Nancy J. Copley, Tom C. Austin, Albert M. Bradley, Robert G. Goldsborough, Jim Dawson, Roger Hendershott, and Stein Kaartvedt.**

Assessing the distribution and abundance of zooplankton: A comparison of acoustic and net-sampling methods with D-BAD MOCNESS.

*Deep-Sea Res.II*, 45:1219-1237, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9779**

**Griffiths, Gwyn, Russ Davis, Charles Eriksen, Daniel Frye, Phillippe Marchand, and Tommy Dickey.**

Toward new platform technology for sustained observations. In: *Proceedings of Ocean Observing System for Climate (OCEANOBS99), Saint Raphael, France - 17-22 Oct. 1999.*

[www.bom.gov.au/OCEANOBS99/papers/griffiths.pdf](http://www.bom.gov.au/OCEANOBS99/papers/griffiths.pdf) (18 May 2000), 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Groman, Robert C.**

U.S. GLOBEC Georges Bank program 1998 scientific investigator's workshop. *Gulf of Maine News*, Fall 1998:1-3, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Hahn, Mark E.**

The aryl hydrocarbon receptor: A comparative perspective. *Comp.Biochem.Physiol.C*, 121:23-53, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9593**

**Halanych, K. M., R. A. Lutz, and R. C. Vrijenhoek.**

Evolutionary origins and age of vestimentiferan tube-worms.

*Cah.Biol.Mar.*, 39(3-4):355-358, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Halanych, K. M., J. R. Demboski, B. J. van Vuuren, D. R. Klein, and J. A. Cook.**

Cytochrome b phylogeny of North American hares and jackrabbits (*Lepus lagomorpha*) and the effects of saturation in outgroup taxa.

*Mol.Phylogenet.Evol.*, 11(2):213-221, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Halanych, Kenneth M.**

Consideration for reconstructing Metazoan history: signal, resolution, and hypothesis testing. *Amer.Zool.*, 28:929-941, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Hare, Jeffrey E., Ola G. Persson, Christopher W. Fairall, and James B. Edson.**  
Behavior of Charnock's relationship for high wind conditions. In: *13th Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas*. James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :252-255, 1999.  
Department of WHOI Author: AOPE.  
Contribution Number: **NONE**

**Hill, Mark F. and Hal Caswell.**  
Habitat fragmentation and extinction thresholds on fractal landscapes. *Ecol.Lett.*, 2:121-127, 1999.  
Department of WHOI Author: BIO.  
Contribution Number: **9881**

**Hoagland, Porter.**  
China. In: *Legal Protection of the Underwater Cultural Heritage: National and International Perspectives*. Sarah Dromgoole, ed., Kluwer Law International, The Hague, :19-41, 1999.  
Department of WHOI Author: MPC.  
Contribution Number: **9693**

**Honjo, Susumu, Jack Dymond, Warren Prell, and Venugopalan Ittekkot.**  
Monsoon-controlled export fluxes to the interior of the Arabian Sea. *Deep-Sea Res.II*, 46:1859-1902, 1999.  
Department of WHOI Author: GEOL.  
Contribution Number: **9916**

**Hristov, Tihomir, Carl Friehe, Scott Miller, and Jim Edson.**  
Identification and analysis of win-wave interactions I field experiment data. In: *13th Symposium on Boundary Layers and Turbulence, 10-15 January 1999, Dallas, Texas*. James B. Edson, Symposium Chairperson, American Meteorological Society, Boston, MA, :233-236, 1999.  
Department of WHOI Author: AOPE.  
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