



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in December 2001

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Asher, William, James Edson, Wade McGillis, Ric Wanninkhof, David T. Ho, and Trina Litchendorf.

Fractional area whitecap coverage and air-sea gas transfer velocities measured during GasEx-98. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Wanninkhof, eds. American Geophysical Union, Washington, D. C. :199-203, 2002.

Department of WHOI Author: AOPE.

Contribution Number: **10339**

Ballard, Robert D., Fredrik T Hiebert, Dwight F. Coleman, Cheryl Ward, Jennifer S. Smith, Kathryn Willis, Brendan Foley, Katherine Croff, Candace Major, and Francesco Torre.

Deepwater archaeology of the Black Sea: The 2000 season at Sinop, Turkey.

Am.J.Archaeol., 105(4):607-623, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Ben-David, Merav, Tamara Kondratyuk, Bruce R. Woodin, Paul W. Snyder, and John J. Stegeman.

Induction of cytochrome P450 1A1 expression in captive river otters fed Prudhoe Bay crude oil: Evaluation by immunohistochemistry and quantitative RT-PCR. *Biomarkers*, 6(3):218-235, 2001.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Bock, Erik John, James Bearer Edson, Nelson M. Frew, Tetsu Hara, Horst Haussecker, Bernd Jahne, Wade R. McGillis, Sean P. MCKenna, Robert K. Nelson, Uwe Schimpf, and Mete Uz.

Overview of the CoOP experiments: Physical and chemical measurements parameterizing air-sea heat exchange. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Wanninkhof, eds. American Geophysical Union, Washington, D. C. :39-44, 2002.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Conte, M. H., J. C. Weber, L. L. King, and S. G. Wakeham.

The alkenone temperature signal in western North Atlantic surface waters. *Geochim. Cosmochim. Acta*, 65(23):4275-4287, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10531**

Fenstermacher, Lori E., Gregory B. Crawford, Jeffrey C. Borgeld, Tristan Britt, Douglas A. George, Meredithy A. Klein, Nea W. Driscoll, and Larry A. Mayer.

Enhanced acoustic backscatter due to high abundance of sand dollars, *Dendraster excentricus*. *Mar. Georesour. Geotechnol.*, 19:135-145, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

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

Spatial variations in surface microlayer surfactants and their role in modulating air-sea exchange. In: *Geophysical Monograph Series 127. Gas Transfer at Water Surfaces*, M. A. Donelan, W. M. Drennan, E. S. Saltzman and P. Wanninkhof, eds. American Geophysical Union, Washington D. C., :153-159, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10337**

Gast, Rebecca J. and David A. Caron.

Photosymbiotic associations in planktonic foraminifera and radiolaria. *Hydrobiologia*, 461:1-7, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10091**

Glover, David M., Nelson M. Frew, Scott J. McCue, and Erik J. Bock.

A multi-year time series of global gas transfer velocity from the TOPEX dual frequency, normalized radar backscatter algorithm. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Waninkhof, eds. American Geophysical Union, Washington D. C. :325-331, 2002.
Department of WHOI Author: MCG.
Contribution Number: **10338**

Hara, Tetsu, B. Mete Uz, Hua Wei, James B. Edson, Nelson M. Frew, Wade R. McGillis, Sean P. McKenna, Eric J. Bock, Horst Haubecker, and Uwe Schimpf.

Surface wave observations during CoOP experiments and their relation to air-sea gas transfer. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Waninkhof, eds. American Geophysical Union, Washington, D. C. :45-49, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

McCartney, Michael S. and Cecilie Mauritzen

On the origin of the warm inflow to the Nordic Seas.
Prog.Oceanogr., 51:125-214, 2001.
Department of WHOI Author: PO.
Contribution Number: **10177**

McCollom, Thomas M., and Bernd R. T. Simoneit.

Abiotic formation of hydrocarbons and oxygenated compounds during thermal decomposition of iron oxalate. *Orign Life Evol.Biosphere*, 29:167-186, 1999.
Department of WHOI Author: MCG.
Contribution Number: **NONE**

McKenna, Sean P. and Wade R.McGillis.

Surface divergence and air-water gas transfer. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Waninkhof, eds. American Geophysical Union, Washington, D. C. :129-134, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **10336**

Morris, Michele Y., Melinda M. Hall, Louis C. St. Laurent, and Nelson G. Hogg.

Abyssal mixing in the Brazil Basin. *J.Phys.Oceanogr.*, 31:3331-3348, 2001.
Department of WHOI Author: PO.
Contribution Number: **10284**

Nowacek, Douglas P., Mark P. Johnson, Peter L. Tyack, Kenneth A. Shorter, William A. McLellan, and D. Ann Pabst.

Buoyant balaenids: The ups and downs of buoyancy in right whales.

Proc.R.Soc.Lond.B, 268:1811-1816, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10463**

Rie, Melanie, K. A. Lendas, B. R. Woodin, J. J. Stegeman, and I. P. Callard.

Hepatic biotransformation enzymes in a sentinel species, the turtle (*Chrysemys picta*), from Cape Cod, Massachusetts: Seasonal-, sex- and location related differences.

Biomarkers, 5(5):382-394, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10128**

Rioux, Maggie.

President's corner. *NASIG Newsletter*, 16(4):1-2, 2001.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

Sell, Anne F., Donna van Keuren, and Laurence P. Madin.

Predation by omnivorous copepods on early developmental stages of *Calanus finmarchicus* and *Pseudocalanus* spp.. *Limnol.Oceanogr.*, 46(4):953-959, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10386**

Smith, Deborah K., Laura S. L. Kong, Kevin T. M. Johnson, and Jennifer R. Reynolds.

Volcanic morphology of the submarine Puna Ridge, Kilauea Volcano. *American Geophysical Union Monograph 128. Hawaiian Volcanoes: Deep Underwater Perspectives*. Eiichi Takahashi, Peter Lipman, Michael Garcia, Jiro Naka, and Shigeo Aramaki, eds. American Geophysical Union, Washington, D. C. :125-142, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **10455**

Smith, J. B., E. J. Hints, N. T. Allen, R. M. Stimpfle, and J. G. Anderson.

Mechanisms for midlatitude ozone loss: Heterogeneous chemistry in the lowermost stratosphere? *J.Geophys.Res.*, 106(D1):1297-1309, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Soloviev, Alexander, Jim Edson, Wade McGillis, Peter Schluessel, and Rik Wanninkhof.

Fine thermohaline structure and gas-exchange in the near-surface layer of the ocean during GasEx-98. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Waninkhof, eds. American Geophysical Union, Washington, D. C.:181-185, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **10334**

Wanninkhof, Rik, Scott Doney, Taro Takahashi, and Wade McGillis.

The effect of using time-averaged winds on regional air-sea CO₂ fluxes. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Waninkhof, eds. American Geophysical Union, Washington, D. C. :351-356, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **10335**

Warren, J. D., T. K. Stanton, M. C. Benfield, P. H. Wiebe, D. Chu, and M. Sutor.

In situ measurements of acoustic target strengths of gas-bearing siphonophores. *ICES J.*, 58:740-749, 2001.
Department of WHOI Author: AOPE. and BIO.
Contribution Number: **10199**

Webb, E. A., J. W. Moffett, and J. B. Waterbury.

Iron stress in open-ocean cyanobacteria (*Synechococcus*, *Trichodesmium*, and *Crocospaera*): Identification of the IdiA protein. *Appl. Environ. Microbiol.*, 67(12):5444-5452, 2001.
Department of WHOI Author: BIO.
Contribution Number: **10466**

Webster, Sarah, Oscar Pizarro, and Hanumant Singh.

Photomosaicking in underwater archaeology. *Inst. Naut. Archaeol. Quart.*, 28(3):22-26, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10483**

Whelan, Jean. K., Lorraine Eglinton, Mahlon C. Kennicutt, II, and Yaorong Qian.

Short-time-scale (year) variations of petroleum fluids from the U.S. Gulf Coast. *Geochim. Cosmochim. Acta*, 65(20):3529-3555, 2001.
Department of WHOI Author: MCG.
Contribution Number: **10461**

Zappa, C. J., W. E. Asher, A. T. Jessup, J. Klinke, and S. R. Long.

Effect of microscale wave breaking on air-water gas transfer. In: *Geophysical Monograph 127. Gas Transfer at Water Surfaces*. M. A. Donelan, W. M. Drennan, E. S. Saltzman, and R. Waninkhof, eds. American Geophysical Union, Washington, D. C.:23-29, 2002.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

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