



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in April 2002

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**Bailey, John W., Edward Hobart, Helmut H. Moeller, Jean H. Filloux,
and Alan D. Chave.**

Low power instrumentation to measure barotropic fluctuations.
Oceans '01, :1886-1890, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Barton, R.J., III and D. Foster.

Web-enabled collaborative team training for deep submersible vehicles.
Oceans '01, 1:591-594, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Bradley, Albert M., Michael D. Feezor, Hanumant Singh, and F. Yates Sorrell.

Power systems for autonomous underwater vehicles.
IEEE J.Ocean.Eng., 26(4):526-538, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Cenedese, C. and P. F. Linden

Stability of a buoyancy-driven coastal current at the shelf break.
J.Fluid Mech., 452:97-121, 2002.
Department of WHOI Author: PO.
Contribution Number: **10014**

Chaffey, Mark, Ed Mellinger, and Walter Paul.

Communications and power to the seafloor: MBARI's ocean observing system mooring concept. *Oceans '01*, :2473-2481, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Charette, Matthew A., S. Bradley Moran, Steven M. Pike, and John Smith.

Investigating the carbon cycle in the Gulf of Maine using the natural tracer thorium 234. *J.Geophys.Res.*, 106(C6):11553-11579, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Chu, Dezhang, Kenneth C. Baldwin, Kenneth G. Foote, Yanchao Li, Larry A. Mayer, and Gary D. Melvin.

Multibeam sonar calibration: Removal of static surface reverberation by coherent echo subtraction. *Oceans '01*, 4:2498-2502, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10512**

Chu, Dezhang, Kenneth C. Baldwin, Kenneth G. Foote, Yanchao Li, Larry A. Mayer, and Gary D. Melvin.

Multibeam sonar calibration: Target localization in azimuth. *Oceans '01*, 4:2506-2510, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10511**

Delaney, John, G. Ross Heath, Alan Chave, Harold Kirkham, Bruce Howe, William Wilcock, Patricia Beauchamp, and Andrew Maffei.

NEPTUNE Real-time, long-term ocean and earth studies at the scale of a tectonic plate. *Oceans '01*, :1366-1373, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Drenzek, Nicholas J., Carly, H. Tarr, Timothy I. Eglinton, Linnea J. Heraty, Neil C. Sturchio, Vernon J. Shiner, and Christopher M. Reddy.

Stable chlorine and carbon isotopic compositions of selected semi-volatile organochlorine compounds. *Org.Geochem.*, 33:437-444, 2002.

Department of WHOI Author: MCG.

Contribution Number: **10612**

Fong, Derek A. and W. Rockwell Geyer.

The alongshore transport of fresh water in a surface-trapped river plume.
J.Phys.Oceanogr., 32:957-972, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **10494**

Foote, Kenneth G.

Calibrating a narrowband 18-kHz sonar. *Oceans '01*, 4:2503-2502, 2002.
Department of WHOI Author: AOPE.
Contribution Number: **10514**

Foote, Kenneth G.

Censusing marine living resources in the Gulf of Maine: A proposal.
Oceans '01, 3:1611-1614, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10523**

Frankignoul, Claude, Terrence M. Joyce, and Shenfu Dong.

Gulf Stream variability and ocean-atmosphere interactions.
J.Phys.Oceanogr., 31:3516-3529, 2001.
Department of WHOI Author: PO.
Contribution Number: **10428**

Fratantoni, David M. and Deborah A. Glickson.

North Brazil current ring generation and evolution observed with SeaWiFs.
J.Phys.Oceanogr., 32(3):1058-1074, 2002.
Department of WHOI Author: PO.
Contribution Number: **10462**

Freitag, Lee and Milica Stojanovic.

Basin-scale acoustic communication: A feasibility study using tomography M-sequences. *Oceans '01*, :2256-2261, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Freitag, Lee, Matthew Grund, Josko Catipovic, Daniel Nagle, Brian Pazol, and James Glynn.

Acoustic communication with small UUVs using a hull-mounted conformal array.
Oceans '01, :2270-2275, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Freitag, Lee, Mark Johnson, Matthew Grund, Sandipa Singh, and James Preisig.

Integrated acoustic communication and navigation for multiple UUVs.

Oceans '01, :2065-2070, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Garland, Elizabeth D. and Cheryl Ann Zimmer.

Techniques for the identification of bivalve larvae.

Mar.Ecol.Prog.Ser., 225:299-310, 2002.

Department of WHOI Author: AOPE.

Contribution Number: **10089**

Gobat, Jason, Robert Weller, Bryan Way, and Jeffrey Lord.

A compact coastal ocean observing system. *Oceans '01*, :1283-1289, 2001.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Grosenbaugh, Mark and Chung-Chu Teng.

Dynamic analysis of NDBC shallow-water test mooring.

Oceans '01, 4:2449-2453, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10500**

Hernandez-Guerra, Alonso and Terrence M. Joyce.

Water masses and circulation in the surface layers of the Caribbean at 66°W.

Geophys.Res.Lett., 27:3497-3500, 2000.

Department of WHOI Author: PO.

Contribution Number: **10169**

Hogg, Nelson G.

Deep circulation. *Ocean Circ.Clim.*, Ch.4.5:259-270, 2001.

Department of WHOI Author: PO.

Contribution Number: **9997**

Kim, Kuh, Yang-Ki Cho, Byoung-Ju Choi, Young-Gyu Kim, and Robert C. Beardsley.

Sea level variability at Ulleung Island in the East (Japan) Sea. *J.Geophys.Res.*,

<http://www.agu.org/journals/jc/jc0203/2001JC000895/2001JC000895.pdf>, 2002.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Koski, Peter A., Jonathan Ware, S. Craig Cumbee, and Daniel Frye.

Data telemetry for ocean bottom instrumentation. *Oceans '01*, :2322-2327, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Lavender, Kara L., Russ E. Davis, and W. Brechner Owens.

Mid-depth recirculation observed in the interior Labrador and Irminger Seas by direct velocity measurements. *Nature*, 407:66-69, 2000.
Department of WHOI Author: PO.
Contribution Number: **10202**

Lavender, Kara L., Russ E. Davis, and W. Brechner Owens.

Observations of open-ocean deep convection in the Labrador Sea from subsurface floats. *J.Phys.Oceanogr.*, 32(2):511-526, 2002.
Department of WHOI Author: PO.
Contribution Number: **10318**

Maffei, A. R., A. D. Chave, G. Massion, S. N. White, J. Bailey, S. Lerner, A. Bradley, D. Yoerger, H. Frazier, and R. Buddenberg.

NEPTUNE gigabit ethernet submarine cable system.
Oceans '01, :1303-1310, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

McCreary, Julian P., Jr., Kevin E. Kohler, Raleigh R. Hood, Sharon Smith, John Kindle, Albert S. Fischer, and Robert A. Weller.

Influences of diurnal and intraseasonal forcing on mixed-layer and biological variability in the central Arabian Sea. *J.Geophys.Res.*, 106(C4):7139-7155, 2001.
Department of WHOI Author: PO.
Contribution Number: **10181**

Medovaya, M., D. E. Waliser, R. A. Weller, and M. J. McPhaden.

Assessing ocean buoy shortwave observations using clear-sky model calculations.
J.Geophys.Res.,
<http://www.agu.org/journals/jc/jc0202/2000JC000558/2000JC000558.pdf>, 2002.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Mellinger, Ed, Torben Aabo, Andrew Bowen, Carlos Katz, and Robert A. Petitt Jr.

High voltage testing of an ROV electro-optical tether cable.
Oceans '01, :1145-1150, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Morrison, Archie T., III, John M. Toole, Roger Lukas, Scott E. WorriLOW, Kenneth W. Doherty.

Results from the first successful field deployment of the McLane Moored Profiler.

Oceans '01, 2:949-955, 2001.

Department of WHOI Author: AOPE. PO.

Contribution Number: **10504**

Nodder, Scott D., Matthew A. Charette, Anya M. Waite, Tom W. Trull, Philip W. Boyd, John Zeldis, Ken O. Buesseler.

Particle transformations and export flux during an in situ iron-stimulated algal bloom in the Southern Ocean. *Geophys.Res.Let.*, 28(12):2409-2412, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Prestero, Timothy.

Development of a six-degree of freedom simulation model for the REMUS autonomous underwater vehicle. *Oceans '01*, :450-455, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Reddy, Christopher M., Ann Pearson, Li Xu, Ann P. McNichol, Bruce A. Benner, Jr., Stephen A. Wise, George A. Klouda, Lloyd A. Currie, and Timothy I. Eglinton.

Radiocarbon as a tool to apportion the sources of polycyclic aromatic hydrocarbons and black carbon in environmental samples.

Environ.Sci.Technol., 36:1774-1782, 2002.

Department of WHOI Author: MCG.

Contribution Number: **10587**

Rioux, Margaret A.

Contributing to the literature: migrating a local bibliographic database to the world wide web. *Sci.Tech.Lib.*, 20(1):103-112, 2001.

Department of WHOI Author: ADMIN.

Contribution Number: **NONE**

Rodgers, D. H., P. M. Beauchamp, A. D. Chave, S. Gaudet, H. Kirkham, A. Maffei, G. Massion, T. M. McGinnis, and W. S. D. Wilcock.

NEPTUNE regional observatory system design. *Oceans '01*, :1356-1365, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Roman, C. and H. Singh.

Estimation of error in large area underwater photomosaics using vehicle navigation data.
Oceans '01, 3:1849-1853, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Singh, Hanumant, James Bellingham, Franz Hover, Steve Lerner, Bradley A. Moran, Keith von der Heydt, and Dana Yoerger.

Docking for an autonomous ocean sampling network.
IEEE J.Ocean.Eng., 26(4):498-514, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10564**

Snelgrove, Paul V. R., Judith P. Grassle, and Cheryl Ann Zimmer.

Adult macrofauna effects on *Capitella* sp. I larval settlement: A laboratory flume study.
J.Mar.Res., 59:657-674, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10031**

Stojanovic, M. and L. Freitag.

Multiuser undersea acoustic communications in the presence of multipath propagation.
Oceans '01, :2165-2169, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Stokey, Roger, Tom Austin, Ben Allen, Ned Forrester, Eric Gifford, Rob Goldsborough, Greg Packard, Mike Purcell, and Chris von Alt.

Very shallow water mine countermeasures using the REMUS AUV: A practical approach yielding accurate results. *Oceans '01*, 1:149-56, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10513**

Teske, Andreas, Kai-Uwe Hinrichs, Virginia Edgcomb, Alvin de Vera Gomez, David Hysela, Sean P. Sylva, Mitchell L. Solgin, and Holger W. Jannasch.

Microbial diversity of hydrothermal sediments in the Guaymas Basin: Evidence for anaerobic methanotrophic communities.
Appl.Environ.Microbiol., 68(4):1994-2007, 2002.
Department of WHOI Author: BIO.
Contribution Number: **10624**

von Alt, Christopher, Ben Allen, Thomas Austin, Ned Forrester, Robert Goldsborough, Michael Purcell, and Roger Stokey.

Hunting for mines with REMUS: A high performance, affordable, free swimming underwater robot. *Oceans '01*, 1:117-122, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Walker, Alison and Joseph Pedlosky.

On the instability of meridional baroclinic currents.

J.Phys.Oceanogr., 32:1075-1093, 2002.

Department of WHOI Author: PO.

Contribution Number: **10472**

Walker, Sharon H., Elizabeth Day, Don Elthon, Paula Keener-Chavis, Nancy Marcus, Janice McDonald, George Matsumoto, Ellen Prager, Debbie Smith, and Duane Dale.

Centers for ocean sciences education excellence. *Oceans '01*, :617-619, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Warren, Joseph D., Timothy K. Stanton, Duncan E. McGehee, and Dezhang Chu.

Effect of animal orientation on acoustic estimates of zooplankton properties. *IEEE*

J.Ocean.Eng., 27(1):130-138, 2002.

Department of WHOI Author: AOPE.

Contribution Number: **10198**

Wells, A. R. and K. R. Helfrich.

Circulation around a thin zonal island. *J.Fluid Mech.*, 437:301-323, 2001.

Department of WHOI Author: PO.

Contribution Number: **10112**

Whitehead, J. A. and John Salzig.

Rotating channel flow: Control and upstream currents.

Geophys.Astrophys.Fluid Dyn., 95:185-226, 2001.

Department of WHOI Author: PO.

Contribution Number: **9896**

Whitworth, T., B. A. Warren, W. D. Nowlin, Jr., S. B. Rutz, R. D. Pillsbury, and M. I. Moore.

On the deep western-boundary current in the Southwest Pacific Basin.

Prog.Oceanogr., 43:1-54, 1999.

Department of WHOI Author: PO.

Contribution Number: **9397**

Williams, Albert J., 3rd.

Acoustic current meter zero offset drift. *Oceans '01*, 2:916-921, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10508**

Yasuda, Ichiro, Yutaka Hiroe, Kosei Komatsu, Kiyoshi Kawasaki, Terrence M. Joyce, Frank Bahr, and Yasuhiro Kawasaki

Hydrographic structure and transport of the Oyashio south of Hokkaido and the formation of North Pacific intermediate water.

J.Geophys.Res., 106(C4):6931-6942, 2001.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Yu, E.-F., R. Francois, M. P. Bacon, and A. P. Fleer.

Fluxes of ^{230}Th and ^{231}Pa to the deep sea: Implications for the interpretation of excess ^{230}Th and $^{231}\text{Pa}/^{230}\text{Th}$ profiles in sediments.

Earth Planet.Sci.Lett., 191:219-230, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10409**

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