



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles Received in September 2002

MBL/WHOI Library  
Woods Hole, MA 02543

---

**Anderson, S. P. et al.**

The "gaps group" report: the challenges that remain to complete the goals of COARE.  
In: *COARE-98, Proceedings of a conference on the TOGA coupled ocean-atmospheric response experiment, Boulder, CO, 7-14 July 1998*, World Meteorological Organization, Geneva, Switzerland, WCRP-107, WMO/TD-No.40., :142-147, 1999.

Department of WHOI Author: PO.

**Aoyama, M., T. M. Joyce, T. Kawano, and Y. Takatsuki**

Standard seawater comparison up to P129. *Deep-Sea Res. I*, 49:1103-1114, 2002.  
Department of WHOI Author: PO.

**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.

**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.

**Behn, Mark D., Jian Lin, and Maria T. Zuber**

Mechanisms of normal fault development at mid-ocean ridges. *J.Geophys.Res.*, 107(B4), 2002.  
Department of WHOI Author: GEOL.  
Contribution Number: **10540**

**Berg, G. M., P. M. Glibert, and C.-C. Chen**

Dimension effects of enclosures on ecological processes in pelagic systems.

*Limnol. Oceanogr.*, 44(5):1331-1340, 1999.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Billups, K., A. C. Ravelo, J. C. Zachos, and R. D. Norris**

Link between oceanic heat transport, thermohaline circulation, and the Intertropical Convergence Zone in the early Pliocene Atlantic. *Geology*, 27(4):319-322, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Blackman, Donna K., Johnson R. Cann, Bob Janssen, and Deborah K. Smith**

Origin of extensional core complexes: evidence from the Mid-Atlantic Ridge at Atlantis Fracture Zone. *J.Geophys.Res.*, 103(B9):21315-21333, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Chen, Y. John and Jian Lin**

Mechanisms for the formation of ridge-axis topography at slow-spreading ridges: A lithospheric-plate flexural model. *Geophys.J.Int.*, 136:8-18, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Cochran, James R., Daniel J. Fornari, Bernard J. Coakley, Randall Herr, and Maurice A. Tivey**

Continuous near-bottom gravity measurements made with a BGM-3 gravimeter in DSV ALVIN on the East Pacific Rise Crest near 9° 31'N and 9° 50'N. *J.Geophys.Res.(B)*, 104(5):10841-10861, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **9890**

**Dahlgren, Thomas G., Bertil Akesson, Christoffer Schander, Kenneth M. Halanych, and Per Sundberg**

Molecular phylogeny of the model annelid Ophryotrocha. *Bio.Bull.*, 201:193-203, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10442**

**Dai, Minhan, James M. Kelley, and Ken O. Buesseler**

Sources and migration of plutonium in groundwater at the Savannah River site.

*Environ.Sci.Technol.*, 36:3690-3699, 2002.

Department of WHOI Author: MCG.

Contribution Number: **10611**

**Dennett, Mark A., David A. Caron, Anthony F. Michaels, Scott M. Gallager, and Cabell S. Davis**

Video plankton recorder reveals high abundances of colonial radiolaria in surface waters of the central North Pacific. *J.Planck.Res.*, 24(8):797-805, 2002.

Department of WHOI Author: BIO.

Contribution Number: **10616**

**Dickson, B., J. Hurrell, N. Bindoff, A. Wong, B. Arbic, B. Owens, S. Imawaki, and I. Yashayaev**

The world during WOCE. In: *Ocean Circulation and Climate, observing and modelling the global ocean*, G. Siedler, J. Church, and W. Gould, eds., International Geophysics Series, vol. 77, Academic Press, :557-583, 2001.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**DiMarco, S. F., P. Chapman, W. D. Nowlin, Jr., P. Hacker, K. Donohue, M. Luther, and Toole, J.**

Volume transport and property distributions of the Mozambique Channel. *Deep-Sea Res.II*, 49:1481-1511, 2002.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**dos Santos Neto, Eugenio vaz, John M. Hayes, and Tikae Takaki**

Paleoclimatic assessment of cretaceous lacustrine and marine-evaporitic sequences from the Potiguar Basin (Brazil) based on the hydrogen isotopic compositions of saturated hydrocarbons. *Rev.Lat.Am.Geoguim.Org.*, 4:5-24, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Doutt, James A., George V. Frisk, and Hugh Martell**

Determination of distance between a moving ship and drifting buoys to centimeter-level accuracy at sea using L1 phase receivers and differential moving-base kinematic processing [CD-ROM]. *Proceedings of ION GPS-98, Nashville, Tenn. (15-18 Sept. 1998)*. Institute of Navigation, Washington, D.C., :1301-1306, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **9784**

**Dudko, Y. V., H. Schmidt, K. von der Heydt, and E. K. Scheer**

Edge wave observation using remote seismoacoustic sensing of ice events in the Arctic.

*J.Geophys.Res.*, 103(C10):21775-21781, 1998.

Department of WHOI Author: AOPE.

**DuRand, Michele D. and Robert J. Olson**

Diel patterns in optical properties of the chlorophyte *Nannochloris* sp.: Relating individual-cell to bulk measurements. *Limnol.Oceanogr.*, 43(6):1107-1118, 1998.

Department of WHOI Author: BIO.

Contribution Number: **9655**

**Dusenberry, Jeffrey A., Robert J. Olson, and Sallie 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.

**Fairall, C. W., P. Hacker, E. F. Bradley, S. P. Anderson, et al.**

The legacy of COARE for technology and ocean-atmosphere observing capability. In: *COARE-98, Proceedings of a conference on the TOGA coupled ocean-atmospheric response experiment, Boulder, CO, 7-14 July 1998*, World Meteorological Organization, Geneva, Switzerland, WCRP-107, WMO/TD-No.40, :116-138, 1999.

Department of WHOI Author: PO.

**Feldmann, R. M., K. L. Bice, C. E. Schweitzer-Hopkins, and E. W. Salva**

Decapod crustaceans from the Eocene Castle Hayne Limestone, North Carolina:

Paleoceanographic implications: Memoir 48. *J.Paleontol.*, 72:28 pp., 1998.

Department of WHOI Author: GEOL.

**Fisher, K. W., S. Legg, W. H. Munk, R. M. Schuchman, R. W. Garwood, and J. P.****Palshook**

Modeled radar surface signature of deep ocean convection. *IEEE Trans.Geosci.Remote Sens.*, 37:2050-2067, 1999.

Department of WHOI Author: PO.

**Fornari, Dan, Greg Kurras, Margo Edwards, Wayne Spencer, and Bill Hersey**

Mapping volcanic morphology on the crest of the East Pacific Rise 9° 49'-52'N using the WHOI towed camera system: a versatile new digital camera sled for seafloor mapping. *BRIDGE Newsletter*, 14:4-12, 1998.

Department of WHOI Author: GEOL.

**Fornari, Daniel J., Rachel M. Haymon, Michael R. Perfit, and Tracy K. Gregg**

Axial summit trough of the East Pacific Rise 9° – 10° N: geological characteristics and evolution of the axial zone on fast-spreading mid-ocean ridges. *J.Geophys.Res.*, 103(B5):9827-9855, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **9643**

**Freitag, L., M. Johnson, and J. Preisig**

Acoustic communications for UUVs. *Sea Technol.*, 39(6):65-71, 1998.

Department of WHOI Author: AOPE.

**Gallagher, Edith L., Steve Elgar, and Edward B. Thornton**

Megaripple migration in a natural surf zone. *Nature*, 394:165-168, 1998.

Department of WHOI Author: AOPE.

**Goldsmith, R. A. and A. J. Plueddemann**

Moored buoy site evaluations. In: *Marine Geography, GIS for the oceans and seas*, Joe Breman, ed., ESRI Press, Redlands, CA, :160-161, 2002.

Department of WHOI Author: PO.

**Gorska, N. and D. Chu**

Some aspects of sound extinction by zooplankton. *J.Acoust.Soc.Am.*, 110(5),Pt.1:2315-2325, 2001.

Department of WHOI Author: AOPE.

**Gueneau, Pulcherie, Francois Morel, Julie Laroche, and Deana Erdner**

The petF region of the chloroplast genome from the diatom *Thalassiosira weissflogii*: Sequence, organization and phylogeny. *Eur.J.Phycology*, 33:203-211, 1998.

Department of WHOI Author: BIO.

**Gustafsson, Orjan, Thomas D. Bucheli, Zofia Kukulska, Mette Andersson, Claude Largeau, Jean-Noel Rouzaud, Christopher M. Reddy, and Timothy I. Eglinton**

Evaluation of a protocol for the quantification of black carbon in sediments.

*Glob.Biogeochem.Cycles*, 15(4):881-890, 2001.

Department of WHOI Author: MCG.

**Harbison, G. R.**

The parasites and predators of Thaliacea. In: *The Biology of Pelagic Tunicates, Q. Bone*, ed. Oxford University Press Oxford England, :187-214, 1998.

Department of WHOI Author: BIO.

**Hirth, G. and J. Tullis**

Dislocation creep regimes in experimentally deformed quartz aggregates. In: *Fault-Related Rocks*. A. W. Snook, J. A. Tullis, and V. R. Todd, eds. Princeton University Press, :496-499, 1998.

Department of WHOI Author: GEOL.

**Hirth, G., J. W. Dunlap, and C. Teyssier**

Dislocation creep regimes in naturally deformed quartz aggregates. In: *Fault-Related Rocks*. A. W. Snook, J. A. Tullis, and V. R. Todd, eds. Princeton University Press, :500-501, 1998.

Department of WHOI Author: GEOL.

**Hogg, Nelson G.**

Quantification of the deep circulation. In: *Ocean Circulation and Climate*, G. Siedler, J. Church, and W. J. Gould, eds., International Geophysics Series, Academic Press, :259-270, 2001.

Department of WHOI Author: PO.

Contribution Number: **9997**

**Hood, E. M., B. L. Howes, and W. J. Jenkins**

Dissolved gas dynamics in perennially ice-covered Lake Fryxell, Antarctica.

*Limnol. Oceanogr.*, 43(2):265-272, 1998.

Department of WHOI Author: MCG.

Contribution Number: **9178**

**Huang, Y. S., K. H. Freeman, T. I. Eglinton, and F. A. Street-Perrott**

$\delta^{13}\text{C}$  analyses of individual lignin phenols in Quaternary lake sediments: A novel proxy for deciphering past terrestrial vegetation changes. *Geology*, 27(5):471-474, 1999.

Department of WHOI Author: MCG.

**Humphris, Susan E.**

The FY'00 ODP science plan; Legs 188-193. *JOIDES Journal*, 24(2):38-40, 1998.

Department of WHOI Author: GEOL.

**Kroon, D., R. D. Norris, and A. Klaus**

Drilling Blake Nose; the search for evidence of extreme Palaeogene-Cretaceous climates and extraterrestrial event. *Geology Today*, 14(6):222-226, 1998.

Department of WHOI Author: GEOL.

**Kroon, Dick, Richard D. Norris, and Adam Klaus**

*Western North Atlantic Palaeogene and Cretaceous Palaeoceanography, Special Publication No. 183.* D. Kroon, R. D. Norris, and A. Klaus, eds. The Geological Society of London., 319 pg., 2001.

Department of WHOI Author: GEOL.

**Kurras, G. J., M. H. Edwards, and D. J. Fornari**

High-resolution bathymetry of the East Pacific Rise axial summit trough 9° 49' - 51'N: A compilation of Alvin scanning sonar and altimetry data from 1991-1995.

*Geophys.Res.Let.*, 25(8):1209-1212, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **9647**

**Lazier, John R. N., Robert S. Pickart, and Peter B. Rhines**

Deep convection. In: *Ocean Circulation and Climate*, G. Siedler, J. Church and W. J. Gould, eds., International Geophysics Series, Academic Press, :387-400, 2001.

Department of WHOI Author: PO.

**Lentz, Steven J. and Karl R. Helfrich**

Buoyant gravity currents along a sloping bottom in a rotating fluid. *J.Fluid Mech.*, 464:251-278, 2002.

Department of WHOI Author: PO.

Contribution Number: **10575**

**Lynch-Stieglitz, Jean, William B. Curry, and Niall Slowey**

Weaker Gulf Stream in the Florida Straits during the last glacial maximum. *Nature*, 402(6762):644-648, 1999.

Department of WHOI Author: GEOL.

**Madin, L. P. and D. Deibel**

Feeding and energetics of Thaliacea. In: *The Biology of Pelagic Tunicates*. Q. Bone, ed. Oxford University Press, Oxford, :81-103, 1998.

Department of WHOI Author: BIO.

**McCorkle, D. C., H. H. Veeh, and D. T. Heggie**

Glacial-interglacial paleoceanography from Australian margin sediments: northwest Australian margin and Great Australian Bight. *AGSO journal of Australian geology & geophysics.*, 17(5/6):145-157, 1999.

Department of WHOI Author: GEOL.

**McDowell, Judith E., Bruce A. Lancaster, Dale F. Leavitt, Pirjo Rantamaki, and Bonnie Ripley**

The effects of lipophilic organic contaminants on reproductive physiology and disease processes in marine bivalve molluscs. *Limnol. Oceanogr.*, 44(3):903-909, 1999.  
Department of WHOI Author: BIO.

**McGuire, Molly M., Katrina J. Edwards, Jillian F. Banfield, and Robert J. Hamers**

Kinetics, surface chemistry, and structural evolution of microbiallymediated sulfide mineral dissolution. *Geochim. Cosmochim. Acta*, 65(8): 1243-1258, 2002.  
Department of WHOI Author: MCG.

**Mix, A. C., E. Bard, G. Eglinton, L. D. Keigwin, A. C. Ravelo, and Y. Rosenthal**

Alkenones and multiproxy strategies in paleoceanographic studies.  
*Geochem. Geophys. Geosys.*, [http://g-cubed.org/gc2000/2000GC000056/article2000GC000056.pdf](http://geocubed.org/gc2000/2000GC000056/article2000GC000056.pdf), 2000.  
Department of WHOI Author: GEOL.

**Nakamura, Masahiko, Ralf Bachmayer, Louis L. Whitcomb, and Mark Grosenbaugh**

H [sub infinity] control of thruster for AUV. *Proceedings of the 8th International Offshore Polar Engineering Conference, Montreal, Canada, May 24-29, 1998*, Jin S. Chung, et al., eds. International Society of Offshore and Polar Engineers (ISOPE), Golden, CO, 2:255-262, 1998.  
Department of WHOI Author: AOPE.

**Norris, R., A. Klaus, and D. Kroon**

Mid-Eocene deep water, the Late Palaeocene thermal maximum and continental slope mass wasting during the Cretaceous-Palaeogene impact. In: *Western North Atlantic Palaeogene and Cretaceous Palaeoceanography, Special Publication No. 183*. D. Kroon, R. D. Norris, and A. Klaus, eds. The Geological Society of London., :23-48, 2001.  
Department of WHOI Author: GEOL.

**Norris, R. D. and J. Firth**

Mass wasting of Atlantic continental margins following the Chicxulub impact event. In: *GSA Special Paper*, 356:79-95, 2002.  
Department of WHOI Author: GEOL.

**Norris, Richard D., Byong-Kwon Park, Sunh-Ho Kang, and Boo-Keun Khim**

Stable isotope and ecological habitat of planktonic foraminifera adjacent to the ice edge in the western Weddell Sea. *Geosci.J.*, 2(2):88-98, 1998.  
Department of WHOI Author: GEOL.

**Pantoja, S. and C. Lee**

Molecular weight distribution of proteinaceous material in Long Island Sound sediments.  
*Limnol.Oceanogr.*, 44(5):1323-1330, 1999.  
Department of WHOI Author: MCG.

**Pearce, C. M., Scott M. Gallager, Joan L. Manuel, Darlene A. Manning, Ron K. O'Dor, and Edwin Bourget**

Effect of thermoclines and turbulence on depth of larval settlement and spat recruitment of the giant scallop *Placopecten magellanicus* in 9.5 m deep laboratory mesocosms.  
*Mar.Ecol.Prog.Ser.*, 165:195-215, 1998.  
Department of WHOI Author: BIO.

**Plant, W. J., W. C. Keller, V. Hesany, T. Hara, E. Bock, and M. A. Donelan**

Bound waves and Bragg scattering in a wind-wave tank. *J.Geophys.Res.*, 104(2):3243-3263, 1999.  
Department of WHOI Author: AOPE.

**Plueddemann, A. J.**

Review of "Data analysis methods in physical oceanography" by W. J. Emery and R. E. Thompson. *Oceanography*, 12(3):53-54, 1999.  
Department of WHOI Author: PO.

**Price, James F.**

Subduction. In: *Ocean Circulation and Climate*, G. Sideler, J. Church, and W. J. Gould, eds. International Geophysics Series, Academic Press, :357-372, 2001.  
Department of WHOI Author: PO.

**Rajan, S. D., J. A. Doutt, and W. M. Carey**

Inversion for the compressional wave speed profile of the bottom from synthetic aperture experiments conducted in the Hudson Canyon area. *IEEE J.Ocean.Eng.*, 23(3):174-187, 1998.  
Department of WHOI Author: AOPE.

**Ravizza, G., R. M. Sherrell, M. P. Field, and E. A. Pickett**

Geochemistry of the Margi umbers, Cyprus, and the Os isotope composition of Cretaceous seawater. *Geology*, 27(11):971-974, 1999.  
Department of WHOI Author: GEOL.

**Runge, J. A., J. A. Quinlan, E. G. Durbin, L. Incze, R. G. Lough, J. Manning, D. Mountain, B. Niehoff, S. Plourde, and F. E. Werner**

The effect of spatial and temporal variations zooplankton concentrations on larval cod growth and survival on Georges Bank: a sensitivity analysis based on modeling and observations. In: *ICES CM 2000 documents, ICES Science Conference 2000, Bruges, Belgium*, International Council for the Sea, Copenhagen, :M17, 2000.  
Department of WHOI Author: BIO.

**Sayigh, Laela S., Peter L. Tyack, Randall S. Wells, Andrew R. Solow, Michael D. Scott, and A. B. Irvine**

Individual recognition in wild bottlenose dolphins: A field test using playback experiments. *Anim.Behav.*, 57(1):41-50, 1999.

Department of WHOI Author: BIO.  
Contribution Number: **9238**

**Scherreiks, Rudolph and Peter D. Clift**

On the origin of some *Eohellenic ophiolites* (commentary on Clift & Dixon 1998: jurassic ridge collapse, subduction initiation and ophiolite obduction in the southern Greek Tethys. *Eclogae geol. Helv.* 91/1). *Eclogae Geol.Helv.*, 91(3):431-434, 1998.  
Department of WHOI Author: GEOL.

**Schmitt, R. W. and E. T. Montgomery**

Autonomous salinity profiling in the tropical Atlantic. *Eos*, 80(17):179, 1999.  
Department of WHOI Author: PO.

**Schubel, Jerry R., Robert F. Lobecker, Donald Jagoe, Susan Snow Cotter, Hartley Hoskins, and Christopher Polloni**

The Gulf of Maine: will the big investments in technology and science yield the return expected by investors? *Mar.Technol.Soc.J.*, 36(2):63-65, 2002.  
Department of WHOI Author: ADMIN.

**Shank, Timothy M., Daniel J. Fornari, Karen L. Von Damm, Marvin D. Lilley, Rachel M. Haymon, and Richard A. Lutz**

Temporal and spatial patterns of biological community development at nascent deep-sea hydrothermal vents (9° 50'N, East Pacific Rise). *Deep-Sea Res.II*, 45:465-515, 1998.

Department of WHOI Author: GEOL.

**Smolowitz, Roxanna, Dale Leavitt, and Frank Perkins**

Observations of a protistan disease similar to QPX in *Mercenaria mercenaria* (hard clams) from the coast of Massachusetts. *J.Invertebr.Pathol.*, 71:9-25, 1998.  
Department of WHOI Author: BIO.

**Sobolev, Nikolay V., Gregory A. Snyder, Lawrence A. Taylor, Randall A. Keller, Emilya S. Yefimova, Vladimir N. Sobolev, and Nobumichi Shimizu**

Extreme chemical diversity in the mantle during eclogitic diamond formation: evidence from 35 garnet and 5 pyroxene inclusions in a single diamond. *Int.Geol.Rev.*, 40(7):567-578, 1998.

Department of WHOI Author: GEOL.

**Sohn, R. A. and J. A. Hildebrand**

Hydroacoustic earthquake detection in the Arctic Basin with the Spinnaker Array. *Bull.Seis.Soc.Amer.*, 91(3):572-579, 2001.

Department of WHOI Author: GEOL.

**Straneo, Fiammetta, Mistuhiro Kawase, and Robert S. Pickart**

Effects of wind on convection in strongly and weakly baroclinic flows with application to the Labrador Sea. *J.Phys.Oceanogr.*, 32:2603-2618, 2002.

Department of WHOI Author: PO.

Contribution Number: **10609**

**Tang, Xiaou, K. W. Stewart, Luc Vincent, He Huang, Marty Marra, Scott M. Gallager, and Cabell S. Davis**

Automatic plankton image recognition. *Artificial Intelligence Review*, 12(1-3):177-199, 1998.

Department of WHOI Author: AOPE. BIO.

Contribution Number: **9214**

**Tivey, M.K., K. Bemis, A. M. Bradley, J. Butterfield, J. R. Delaney, K. Ding, R. P. Dziak, C. Fisher, C. G. Fox, S. Hautala, D. Jackson, H. W. Jannasch, H. P. Johnson, S. K. Juniper, D. Kadko, D. S. Kelley, M. Lilley, R. E. McDuff, P. Rona, and J. Sarrazin**

The RIDGE endeavour segment seafloor observatory: recent successes and an overview of coordinated experiments for Y2K. *RIDGE Events*, 11(1):10-17, 2000.

Department of WHOI Author: MCG.

**Toole, John M. and Trevor J. McDougall**

Mixing and stirring in the ocean interior. In: *Ocean Circulation and Climate*, G. Siedler and J. Church, eds. International Geophysics Series, Academic Press, :337-356, 2001.

Department of WHOI Author: PO.

**Traykovski, Peter, Alex E. Hay, James D. Irish, and James F. Lynch**

Geometry, migration, and evolution of wave orbital ripples at LEO-15. *J.Geophys.Res.*, 104(C1):1505-1524, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **9796**

**Tyack, P. L.**

Communication and Cognition. In: *Biology of Marine Mammals*, John E. Reynolds III and John R. Twiss Jr., eds. Smithsonian Press, Washington, D.C., :287-323, 1999.  
Department of WHOI Author: BIO.  
Contribution Number: **9250**

**Urbach, E., D. J. Scanlan, D. L. Distel, J. B. Waterbury, and S. W. Chisholm**

Rapid diversification of marine picophytoplankton with dissimilar light-harvesting structures inferred from sequences of *Prochlorococcus* and *Synechococcus* (cyanobacteria). *J.Mol.Evol.*, 46(2):188-201, 1998.  
Department of WHOI Author: BIO.

**Valiela, I., P. Peckol, C. D'Avanzo, J. Kremer, D. Hersh, K. Foreman, K. Lajtha, B. Seely, W. R. Geyer, T. Isaji, and R. Crawford**

Ecological effects of major storms on coastal watersheds and coastal waters. *J.Coast.Res.*, 14(1):218-238, 1998.  
Department of WHOI Author: AOPE.

**Van Orman, James A., Timothy L. Grove, Nobumichi Shimizu, and Graham D. Layne**

Rare earth element in a natural pyrope single crystal at 2.8 Gpa. *Contrib.Mineral.Petrol*, 142:416-424, 2002.  
Department of WHOI Author: GEOL.

**Wade, Bridget S., Dick Kroon, and Richard D. Norris**

Orbitally forced climate change in late mid-Eocene time at Blake Nose (Leg 171B): evidence from stable isotopes in foraminifera. In: *Western North Atlantic Palaeogene and Cretaceous Palaeoceanography, Special Publication No. 183*. D. Kroon, R. D. Norris, and A. Klaus, eds. The Geological Society of London., :273-291, 2001.  
Department of WHOI Author: GEOL.

**Werner, F. E., B. R. MacKenzie, R. I. Perry, R. G. Lough, C. E. Naimie, B. O. Blanton, and J. A. Quinlan**

Larval trophodynamics, turbulence and drift on Georges Bank. *Sci.Mar.*, 65(Suppl 1):99-115, 2001.  
Department of WHOI Author: BIO.

**Wolfe, C.J. and P. G. Silver**

Seismic anisotropy of oceanic upper mantle: shear wave splitting methodologies and observations. *J.Geophys.Res.*, 103(B1):749-771, 1998.  
Department of WHOI Author: GEOL.

**Wolfe, Cecily J., Frank L. Vernon, III, and Abdullah Al-Amri**

Shear-wave splitting across western Saudi Arabia; the pattern of upper mantle anisotropy at a Proterozoic shield. *Geophys.Res.Lett.*, 26(6):779-782, 1999.  
Department of WHOI Author: GEOL.

**Wooding, F. Beecher, K. R. Peal, and J. A. Collins**

ORB Ocean-bottom seismic data logger. *Sea Technol.*, 39(8):85-89, 1998.  
Department of WHOI Author: GEOL. AOPE.

**Yuan, G. -C., L. J. Pratt, and C. K. R. T. Jones**

Barrier destruction and lagrangian predictability at depth in a meandering jet.  
*Dyn.Atmos.Oceans*, 35:41-61, 2002.  
Department of WHOI Author: PO.

**Zhang, S., A. J. Plueddemann, S. P. Anderson, and R. A. Weller**

Large scale variability of surface heat flux and upper ocean response in the western Pacific during COARE/IOP. In: *COARE-98, Proceedings of a conference on the TOGA coupled ocean-atmospheric response experiment, Boulder, CO, 7-14 July 1998*, WCRP-107, WMO/TD-No.40, :251-252, 1999.

Department of WHOI Author: PO.

---

Compiled by: Ann Devenish  
MBL/WHOI Library  
library@whoi.edu  
October 1, 2002