



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in June 2002

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Bach, Wolfgang, Jeffrey C. Alt, Yaoling Niu, Susan E. Humphris, Jorg Erzinger, and Henry J. B. Dick.

The geochemical consequences of late-stage low-grade alteration of lower ocean crust at the SW Indian Ridge: Results from ODP Hole 735B (Leg 176).

Geochim.Cosmochim.Acta, 65(19):3267-3287, 2001.

Department of WHOI Author: MCG. GEOL.

Contribution Number: **10459**

Bolle, M.-P., A. Pardo, K.-U. Hinrichs, T. Adatte, K. Von Salis, S. Burns, G. Keller, and N. Muzylev.

The Paleocene-Eocene transition in the marginal northeastern Tethys (Kazakhstan and Uzbekistan). *Int.J.Earth Sci.*, 89:390-414, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Canales, J. P., J. J. Danobeitia, and A. B. Watts.

Wide-angle seismic constraints on the internal structure of Tenerife, Canary Islands.

J.Vol.Geotherm.Res., 103:65-81, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Clift, Peter D. and Jian Lin.

Patterns of extension and magmatism along the continent-ocean boundary, South China margin. In: *Non-Volcanic Rifting of Continental Margins: A Comparison of Evidence from Land and Sea*, Wilson, R. C. L., Whitmarash, R. B., Taylor, B., and Froitheim, N., eds., Geological Society of London, special publication, 187:489-510, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **10274**

Deese, Heather E., Larry J. Pratt, and Karl R. Helfrich.

A laboratory model of exchange and mixing between western boundary layers and subbasin recirculation gyres. *J.Phys.Oceanogr.*, 32:1870-1889, 2002.

Department of WHOI Author: PO.

Contribution Number: **10450**

Detrick, Robert S.

Portrait of a magma chamber. *Nature*, 406:578-579, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Evans, B., J. Renner, and G. Hirth.

A few remarks on the kinetics of static grain growth in rocks.

Int.J.Earth Sci., 90:88-103, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

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.

Contribution Number: **NONE**

Gaetani, Glenn A. and Bruce E. Watson.

Modeling the major-element evolution of olivine-hosted melt inclusions. *Chem.Geol.*, 183:25-41, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Garrido, Carlos J., Peter B. Kelemen, and Greg Hirth.

Variation of cooling rate with depth in lower crust formed at an oceanic spreading ridge:

Plagioclase crystal size distributions in gabbros from the Oman ophiolite.

Geochem.Geophys.Geosys., <http://gc-cubed.org/gc2001/2000GC000136/article2000GC000136.pdf>, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Gordon, Arnold L., Claudia F. Giulivi, Craig M. Lee, Heather Hunt Furey, Amy Bower, and Lynne Talley.

Japan/East Sea intrathermocline eddies. *J.Phys.Oceanogr.*, 32:1960-1974, 2002.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Hahn, Mark E.

Biomarkers and bioassays for detecting dioxin-like compounds in the marine environment. *Sci.Total Environ.*, 289:49-69, 2002.

Department of WHOI Author: BIO.

Contribution Number: **9752**

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Fractionation of the isotopes of carbon and hydrogen in biosynthetic processes. In: *Stable Isotope Geochemistry, Reviews in Mineralogy and Geochemistry*, John W. Valley and David R. Cole, eds., Mineralogical Society of America, 43:225-278, also available at nosams.who.edu/jmh/, 2001.

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Contribution Number: **NONE**

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Department of WHOI Author: GEOL.

Contribution Number: **NONE**

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A biomarker perspective on paleoproductivity variations in two Late Quaternary sediment sections from the Southeast Atlantic Ocean. *Org.Geochem.*, 30:341-366, 1999.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Hinrichs, Kai-Uwe, Geoffrey Eglinton, Michael H. Engel, and Roger E. Summons.

Exploiting the multivariate isotopic nature of organic compounds.

Geochem.Geophys.Geosys., 2:2 July 2002, Paper no.: 2001GC000142, <http://g-cubed.org/gc2001/2001GC000142/article2001GC000142.pdf>, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Holbrook, W. Steven, H. C. Larsen, J. Korenaga, T. Dahl-Jensen, I. D. Reid, P. B. Kelemen, J. R. Hopper, G. M. Kent, D. Lizarralde, S. Bernstein, and R. S. Detrick.

Mantle thermal structure and active upwelling during continental breakup in the North Atlantic. *Earth Planet.Sci.Lett.*, 190:251-266, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Hotinski, R., K. Bice, L. Kump, R. Najjar, and M. Arthur.

Ocean stagnation and end-Permian anoxia. *Geol.*, 29:7-10, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Irish, J. D., A. E. Hay, P. Traykovski, A. Newhall, R. Craig, and W. M. Paul.

On attaching acoustic imaging instrumentation to the LEO-15 observatory for sediment transport and bottom boundary layer studies.

IEEE Ocean Engr., 27(2):254-266, 2002.

Department of WHOI Author: AOPE.

Contribution Number: **10534**

Jaffe, Lillie A., Bernhard Peucker-Ehrenbrink, and Steven T. Petsch.

Mobility of rhenium, platinum group elements and organic carbon during black shale weathering. *Earth Planet.Sci.Lett.*, 198:339-353, 2002.

Department of WHOI Author: MCG.

Contribution Number: **10539**

Jahnke, Linda L., Wolfgang Eder, Robert Huber, Janet M. Hope, Kai-Uwe Hinrichs, John M. Hayes, David J. Des Marais, Sherry L. Cady, and Roger S. Summons.

Signature lipids and stable carbon isotope analyses of Octopus Spring hyperthermophilic communities compared with those of Aquificales representatives.

Appl.Environ.Microbiol., 67(11):5179-5189, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Kelemen, Peter B., Michael Braun, and Greg Hirth.

Spatial distribution of melt conduits in the mantle beneath oceanic spreading ridges:

Observations from the Ingalls and Oman ophiolites. *Geochem.Geophys.Geosys.*,

<http://g-cubed.org/gc2000/1999GC000012/article1999GC000012.pdf>, 2000.

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Koga, Kenneth T., Peter B. Kelemen, and Nobumichi Shimizu.

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in the Oman ophiolite. *Geochem.Geophys.Geosys.*, 2:[http://g-](http://g-cubed.org/gc2001/2000GC000132/article2000GC000132.pdf)

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Department of WHOI Author: GEOL.

Contribution Number: **NONE**

McNichol, A. P., A. J. T. Jull, and G. S. Burr.

Converting AMS data to radiocarbon values: Considerations and conventions.
Radiocarbon, 43(2A):313-320, 2001.
Department of WHOI Author: GEOL.
Contribution Number: **10578**

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Alkenones and multiproxy strategies in paleoceanographic studies.
Geochem.Geophys.Geosys.,
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Contribution Number: **NONE**

Orphan, V. J., K.-U. Hinrichs, W. Ussler III, C. K. Paull, L. T. Taylor, S. P. Sylva, J. M. Hayes, and E. F. Delong.

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Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Ravizza, G., R. N. Norris, and J. Blusztajn.

An osmium isotope excursion associated with the late Paleocene thermal maximum: Evidence of intensified chemical weathering.
Paleoceanog., 16(2):155-163, 2001.
Department of WHOI Author:
Contribution Number: **NONE**

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Department of WHOI Author: GEOL.
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Reddy, Christopher M., Nicholas J. Drenzek, Timothy I. Eglinton, Linnea J. Heraty, Neil C. Sturchio, and Vernon J. Shiner.

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Department of WHOI Author: MCG.
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Renner, Jorg, Brian Evans, and Greg Hirth.

Grain growth and inclusion formation in partially molten carbonate rocks.
Contrib.Mineral.Petrol., 142:501-514, 2002.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Rioux, Maggie.

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Department of WHOI Author: ADMIN.
Contribution Number: **NONE**

Shaw, Denis M., Sam Epstein, and John M. Hayes.

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Department of WHOI Author: GEOL.
Contribution Number: **NONE**

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Magmatic processes and segmentation at a fast spreading mid-ocean ridge: Detailed investigation of an axial discontinuity on the East Pacific Rise crest at 9°37'N.
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Department of WHOI Author: GEOL.
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Tripati, Aradhna, James Zachos, and Louie Marinovich Jr.

Late Paleocene Arctic coastal climate inferred from molluscan stable and radiogenic isotope ratios. *Palaeogeog.Palaeoclim.Palaeoecol.*, 170:101-113.

Department of WHOI Author: GEOL.

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Vaz dos Santos Netos, Eugenio, John M. Hayes, Tikae and Takaki.

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Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Yoshinobu, Aaron S. and Greg Hirth.

Microstructural and experimental constraints on the rheology of partially molten gabbro beneath oceanic spreading centers. *J.Struc.Geol.*, 24:1101-1107, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Compiled by: Maureen Carragher
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library@whoi.edu
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