



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in July 1998

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Acosta, J., C. Palomo, A. Munoz, J. Escartin, P. Herranz, and J. L. Sanz.

Morphology and seismic character of north slope of Tenerife, Canary Island. Evidence for episodic massive landslides. In: *The European laboratory volcanoes. Proceedings of the second workshop, Santorini, Greece, 2 to 4 May 1996.*

R. Casale, M. Fytikas, G. Sigvaldasson and G. Vougioukalakis, eds.

Directorate-General, :579-588, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Canales, J. Pabalo, Robert S. Detrick, Sara Bazin, Alistair J. Harding, and John A. Orcutt.

Off-axis crustal thickness across and along the East Pacific Rise within the MELT area. *Science*, 280(5367):1218-1221, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **9707**

Curran, Daniel.

An access system for ocean aquaculture: Influences of current United States and international law. *Open Ocean Aquaculture '97.* Charles E. Helsley, ed.

Proceedings of an International Conference, April 23-25, 1997, Maui, Hawaii, :41-45, 1997.

Department of WHOI Author: MPC.

Contribution Number: **9498**

Edson, J. B. and C. W. Fairall.

Similarity relationships in the marine atmospheric surface layer for terms in the TKE and scalar variance budgets. *J.Atmos.Sci.*, 55:2311-2328, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **9316**

Forsyth, D. W., D. S. Scheirer, S. C. Webb, L. M. Dorman, J. A. Orcutt, J. Harding, D. K. Blackman, J. Phipps Morgan, R. S. Detrick, Y. Shen, C. J. Wolfe, J. P. Canales, D. R. Toomey, A. F. Sheehan, S. C. Solomon, and W. S. D. Wilcock.

Imaging the deep seismic structure beneath a mid-ocean ridge: The MELT experiment. *Science*, 280(5367):1215-1218, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Forsyth, Donald W., Spahr C. Webb, LeRoy M. Dorman, and Yang Shen.

Phase velocities of Rayleigh waves in the MELT experiment on the East Pacific Rise. *Science*, 280(5367):1235-1238, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Fratantoni, David M., Rainer J. Zantopp, William E. Johns, and Jerry L. Miller.

Updated bathymetry of the Anegada-Jungfern Passage complex and implications for Atlantic inflow to the abyssal Caribbean Sea. *J.Mar.Res.*, 55:847-860, 1997.

Department of WHOI Author: PO.

Contribution Number: **9414**

Hassler, Deborah R. and Nobumichi Shimizu.

Osmium isotopic evidence for ancient subcontinental lithospheric mantle beneath the Kerguelen Islands, Southern Indian Ocean. *Science*, 280:418-421, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Huang, Rui Xin and Bo Qiu.

The structure of the wind-driven circulation in the subtropical South Pacific ocean. *J.Phys.Oceanogr.*, 28:1173-1186, 1998.

Department of WHOI Author: PO.

Contribution Number: **9416**

Jenkins, W. J.

Studying thermocline ventilation and circulation using tritium and ³He. *J.Geophys.Res.*, 103(C8):15817-15831, 1998.

Department of WHOI Author: MCG.

Contribution Number: **9274**

Kite-Powell, Hauke L.

New England's Marine Economy. *Connection*, 8(1):41-43, 1998.
Department of WHOI Author: MPC.
Contribution Number: **NONE**

Lynch, James F., James D. Irish, Thomas F. Gross, Patricia L. Wiberg, Arthur E. Newhall, Peter a. Traykovski, and Joseph D. Warren.

Acoustic measurements of the spatial and temporal structure of the near-bottom boundary layer in the 1990-1991 STRESS experiment.
Cont.Shelf Res., 17(10):1271-1295, 1997.
Department of WHOI Author: AOPE.
Contribution Number: **8810**

Marchitto, Thomas M., William B. Curry, and Delia W. Oppo.

Millennial-scale changes in North Atlantic circulation since the last glaciation.
Nature, 393:557-561, 1998.
Department of WHOI Author: GEOL.
Contribution Number: **9520**

Raymo, M. E., K. Ganley, S. Carter, D. W. Oppo, J. McManus.

Millennial-scale climate instability during the early Pleistocene epoch.
Nature, 392:699-702, 1998.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Sayles, F. L.

The history and source of particulate ^{137}Cs and $^{239,240}\text{Pu}$ deposition in sediments of the Ob River Delta, Siberia. *Sci.Total Environ.*, 202(1-3):25-41, 1997.
Department of WHOI Author: MCG.
Contribution Number: **9307**

Schudlich, Rebecca R. and James F. Price.

Observations of seasonal variation in the Ekman layer.
J.Phys.Oceanogr., 28:1187-1204, 1998.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Shen, Yang, Anne F. Sheehan, Kenneth G. Dueker, Catherine de Groot-Hedlin, and Hersh Gilbert.

Mantle discontinuity structure beneath the southern East Pacific Rise from P-to-S converted phases. *Science*, 280(5367):1232-1235, 1998.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Shimizu, N., N. V. Sobolev, and E. S. Yefimova.

Chemical heterogeneities of inclusion garnets and juvenile character of peridotitic diamonds from Siberia. *Geol.Geofiz.*, 38(2):356-372, 1997.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Shimizu, Nobumichi.

The geochemistry of olivine-hosted melt inclusions in a FAMOUS basalt ALV519-4-1. *Phys.Earth Planet.Inter.*, 107:183-201, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Solow, Andrew R.

On fitting a population model in the presence of observation error. *Ecology*, 79(4):1463-1466, 1998.

Department of WHOI Author: MPC.

Contribution Number: **NONE**

Suhr, G., H. A. Seck, N. Shimizu, D. Gunther, and G. Jenner.

Infiltration of refractory melts into the lowermost oceanic crust: Evidence from dunite- and gabbro-hosted clinopyroxenes in the Bay of Islands ophiolite.

Contrib.Mineral.Petrol., 131:136-154, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Wolfe, Cecily J. and Sean C. Solomon.

Shear-wave splitting and implications for mantle flow beneath the MELT region of the East Pacific Rise. *Science*, 280(5367):1230-1232, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **9711**

Wolfe, Cecily J. and Frank L. Vernon, III.

Shear-wave splitting at central Tien Shan: Evidence for rapid variation of anisotropic patterns. *Geophys.Res.Lett.*, 25(8):1217-1220, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Wolfe, Cecily J. and Paul G. Silver.

Correction to "Seismic anisotropy of oceanic upper mantle: Shear wave splitting methodologies and observations." *J.Geophys.Res.*, 103(B2):2791, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Yang, Huai-Jen, Gautam Sen, and Nobumichi Shimizu.

Mid-ocean ridge melting: Constraints from lithospheric xenoliths at Oahu, Hawaii.

J.Petrol., 39(2):277-295, 1998.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Yang, Jiayan, Lisan Yu, Chester J. Koblinsky, and David Adamec.

Dynamics of the seasonal variation in the Indian Ocean from TOPEX/POSEIDON sea surface height and an ocean model.

Geophys.Res.Lett., 25(11):1915-1918, 1998.

Department of WHOI Author: PO.

Contribution Number: **9508**

Zafiriou, Oliver C., Bettina M. Voelker, and David L. Sediak.

Chemistry of the superoxide radical (O_2^-) in seawater: Reactions with inorganic copper complexes. *J.Phys.Chem.A*, 102(28):5693-5700, 1998.

Department of WHOI Author: MCG.

Contribution Number: **9683**

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