



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – October 2004

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Ali, M. M., D. Swain, and R. A. Weller

Estimation of ocean sub-surface thermal structure from surface parameters: a neural network approach. *Geophys.Res.Lett.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11256**

Benthien, A., N. Andersen, S. Schulte, P. J. Muller, R. R. Schneider, and G. Wefer

The carbon isotopic record of the C37:2 alkenone in the South Atlantic: Last Glacial Maximum (LGM) vs. Holocene. *Palaeogeog.Palaeoclim.Palaeoecol.*

Palaeoclim. Palaeoecol., IN PRESS.

Department of WHOI Author: GEOL.

Bhattacharya, J. P., and L. Giosan

River Deltas: Concepts, Models and Examples. J. P. Bhattacharya and L. Giosan, eds.

SEPM Special Publication, IN PRESS.

Department of WHOI Author: GEOL.

Bullard, Stephan, Charles Lambert, Mary Carman, et al

Distribution and ecology of the invasive colonial ascidian *Didemnum cf. lahillei* on the east and west coasts of the United States. *Biological Invasions*, IN PRESS.

Department of WHOI Author: GEOL.

Buynevich, I. V., and D. M. FitzGerald

Sedimentological signatures of riverine-dominated phases in estuarine and barrier evolution along an embayed coastline. In: *High-Resolution Morphodynamics and Sedimentary*

Evolution of Estuaries. D. M. FitzGerald and J. Knight, eds. Kluwer, IN PRESS.

Department of WHOI Author: GEOL.

Chu, Dezhang, and Peter Wiebe

Measurements of in situ acoustic material properties of zooplankton in Antarctic waters. *ICES J.Mar.Sci.*, IN PRESS.

Department of WHOI Author: AOPE.

Clift, P. D., G. D. Layne, and J. Blusztajn

The erosional record of Tibetan uplift in the East Asian marginal seas. In: *Continent-Ocean Interactions in the East Asian Marginal Seas*. P. D. Clift, P. Wang, D. Hayes, and W. Kuhnt, eds. American Geophysical Union, IN PRESS.

Department of WHOI Author: GEOL.

Clift, P. D., G. Layne, and J. Blusztajn

Marine sedimentary evidence of monsoon strengthening, Tibetan uplift and drainage evolution in East Asia. In: *Continent-Ocean Interactions in the East Asian Marginal Seas*. P. D. Clift, P. Wang, D. Hayes, and W. Kuhnt, eds. American Geophysical Union, IN PRESS.

Department of WHOI Author: GEOL.

Clift, P. D., P. Wang, D. Hayes, and W. Kuhnt

Continent-Ocean Interactions in the East Asian Marginal Seas. P. D. Clift, P. Wang, D. Hayes, and W. Kuhnt, eds. American Geophysical Union, IN PRESS.

Department of WHOI Author: GEOL.

Cohen, Anne L., and Stanley R. Hart

Deglacial SSTs of the western tropical Pacific: a new look at old coral. *Paleoceanography*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11251**

Curry, W. B., and D. W. Oppo

Glacial water mass geometry and the distribution of $d^{13}C$ of SCO_2 in the western Atlantic Ocean. *Paleoceanography*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11242**

Dziak, R., D. Smith, D. Bohnenstiehl, C. Fox, D. Desbruyeres, H. Matsumoto, M. Tolstoy, and D. Fornari

Evidence of a recent magma dike intrusion at the slow-spreading Lucky Strike segment, Mid-Atlantic Ridge. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Fenster, M. S., D. M. Fitzgerald, D. F. Belknap, B. A. Knisley, A. M. Gontz, and I. V. Buynevich

Controls on estuarine sediment dynamics in Merymeeting Bay, Kennebec River estuary, Maine, USA. In: *High-Resolution Morphodynamics and Sedimentary Evolution of Estuaries*. D. M. FitzGerald and J. Knight, eds. Kluwer, IN PRESS.

Department of WHOI Author: GEOL.

FitzGerald, D. M., I. V. Buynevich, M. S. Fenster, J. T. Kelley, and D. F. Belknap

Coarse-grained sediment transport in northern New England estuaries: a synthesis. In: *High-Resolution Morphodynamics and Sedimentary Evolution of Estuaries*. D. M. FitzGerald and J. Knight, eds. Kluwer, IN PRESS.

Department of WHOI Author: GEOL.

Frank, Scott D., Mohsen Badiy, James F. Lynch, and William L. Siegmann

Evidence of three-dimensional waveguide propagation in SWARM 95 data. *J. Acoust. Soc. Am.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11257**

Freitag, L., and M. Stojanovic

MMSE acquisition of DSSS acoustic communication signals. *Oceans '04*, IN PRESS.

Department of WHOI Author: AOPE.

Gaherty, J. B., J. A. Lizarralde, J. A. Collins, G. Hirth, and S. D. Kim

Mantle deformation during the slow seafloor spreading constrained by observations of seismic anisotropy in the western Atlantic. *Earth Planet. Sci. Lett.*, IN PRESS.

Department of WHOI Author: GEOL.

Giosan, L., and J. P. Bhattacharya

New directions in deltaic studies. In: *River Deltas: Concepts, Models and Examples*. J. P. Bhattacharya and L. Giosan, eds. SEPM Special Publication, IN PRESS.

Department of WHOI Author: GEOL.

Goff, J. A., L. Mayer, P. Traykovski, I. Buynevich, R. Wilkens, R. Raymond, R. L. Evans, H. Olson, and C. Jenkins

Detailed investigations of sorted bedforms, or "rippled scour depressions", within the Martha's Vineyard Coastal Observatory, Massachusetts. *Cont. Shelf Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Goodkin, Nathalie F., Konrad A. Hughen, Anne L. Cohen, and Struan R. Smith

Incorporation of growth rate effects on coral Sr/Ca accurately reconstructs Little Ice Age cooling at Bermuda. *Science*, IN PRESS.

Department of WHOI Author: MCG. GEOL.

Contribution Number: **11246**

Hart, S. R., M. Coetzee, R. K. Workman, J. Blusztajn, K. T. M. Johnson, J. M. Sinton, B. Steinberger, and J. W. Hawkins

Genesis of the Western Samoa Seamount Province: age, geochemical fingerprint and tectonics. *Earth Planet.Sci.Lett.*, IN PRESS.

Department of WHOI Author: GEOL.

Holliday, D. V., and T. K. Stanton

Active acoustical assessment of plankton and micronekton. In: *Sounds in the Sea: From Ocean Acoustics to Acoustical Oceanography*. Herman Medwin, ed. Cambridge University Press, IN PRESS.

Department of WHOI Author: AOPE.

Honjo, Susumu

Particle export and the biological pump in the Southern Ocean. *Antarct.Sci.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11249**

Keigwin, L. D.

Radiocarbon and stable isotope constraints on last glacial maximum and Younger Dryas ventilation in the western North Atlantic. *Paleoceanography*, IN PRESS.

Department of WHOI Author: GEOL.

Klien, E. M., D. K. Smith, C. M. Williams, and H. Schouten

Counter-rotating microplates at the Galapagos triple junction, eastern equatorial Pacific Ocean. *Nature*, IN PRESS.

Department of WHOI Author: GEOL.

Ledwell, James R., Timothy F. Duda, Miles A. Sundermeyer, and Harvey E. Seim

Mixing in a coastal environment, part I: a view from dye dispersion. *J.Geophy.Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11243**

Lizzarralde, D., J. B. Gaherty, J. A. Collins, G. Hirth, and S. D. Kim

Spreading-rate dependence of melt extraction at mid-ocean ridges from mantle refraction data. *Nature*, IN PRESS.

Department of WHOI Author: GEOL.

Mandalakis, M., O. Gustafsson, C. M. Reddy, and L. Xu

Radiocarbon apportionment of fossil versus biofuel combustion sources of polycyclic aromatic hydrocarbons in the Stockholm Metropolitan Area. *Environ.Sci.Technol.*, IN PRESS.

Department of WHOI Author: GEOL.

McDuffee, Kelsey, Tim Eglinton, Alex Sessions, Sean Sylva, Thomas Wagner, and John Hayes

Rapid analysis of ^{13}C in plant wax *n*-alkanes for reconstruction of terrestrial vegetation signals from aquatic sediments. *Geochem.Geophys.Geosyst.*, IN PRESS.

Department of WHOI Author: GEOL.

Petsch, S. T., K. J. Edwards, and T. I. Eglinton

Microbial transformations of organic matter in black shales and implications for global biogeochemical cycles.

Palaeogeog.Palaeoclim.Palaeocol., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: 11173

Ramp, S., C. S. Chiu, F. L. Bahr, Y. Qi, P. H. Dahl, J. H. Miller, J. F. Lynch, R. Zhang, and J. Zhou

The shelf-edge environment in the central East China Sea and its impact on low frequency acoustic propagation. *IEEE J.Oceanic Eng.*, IN PRESS.

Department of WHOI Author: AOPE.

Ramp, S. R., T. Y. Tang, T. F. Duda, J. F. Lynch, A. K. Liu, C.-S. Chiu, F. Bahr, H.-R. Kim, and Y. J. Yang

Internal solitons in the northeastern South China Sea, Part I: Sources and deep water propagation. *IEEE J.Oceanic Eng.*, IN PRESS.

Department of WHOI Author: AOPE.

Reed, J. C., Jr., J. O. Wheeler, and B. E. Tucholke

Geologic Map of North America. J. C. Reed, Jr., J. O. Wheeler, and B. E. Tucholke, eds. Boulder, CO: Geological Society of America, IN PRESS.

Department of WHOI Author: GEOL.

Roberts, M. L.

Computer control of an electrostatic accelerator. In: *Electrostatic Accelerators: Techniques and Application*. Ragnar Hellborg, ed. Springer-Verlag, IN PRESS.

Department of WHOI Author: GEOL.

Scott, N. V.

Directionality and crest-length statistics in open ocean waters. *J.Atmos.Oceanic Technol.*, IN PRESS.

Department of WHOI Author: AOPE.

Scott, N. V.

Observations of steep wave statistics in open ocean waters. *J.Atmos.Oceanic Technol.*, IN PRESS.

Department of WHOI Author: AOPE.

Shulman, I., D. J. McGillicuddy, Jr., M. A. Moline, S. H. D. Haddock, J. C. Kindle, D. Nechaev, and M. W. Phelps

Bioluminescence intensity modeling and sampling strategy technology.

J.Atmos.Ocean.Technol., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11253**

Sohn, R., S. C. Webb, and J. A. Hildebrand

Fine-scale seismic structure of the shallow volcanic crust on the East Pacific Rise at 9°50'N.

J.Geophys.Res., IN PRESS.

Department of WHOI Author: GEOL.

Solow, A. R.

On celestial events, auroral activity, and the solar cycle in classical antiquity. *Earth Planet.Sci.Lett.*, IN PRESS.

Department of WHOI Author: MPC.

Solow, A. R.

Some random thoughts on food webs. In: *Aquatic Food Webs: An Ecosystem Approach*.

Andrea Belgrano, Ursula M. Scharler, Jennifer Dunne and Robert E. Ulanowicz, eds. Oxford University Press, IN PRESS, , doi: .

Department of WHOI Author: MPC.

Solow, A. R., and W. K. Smith

How surprising is a new record? *Am.Stat.*, IN PRESS.

Department of WHOI Author: MPC.

Solow, A. R., and W. K. Smith

On estimating species number from the discovery record. *Proc.R.Soc.Lond.Ser.B.Biol.Sci.*, IN PRESS.

Department of WHOI Author: MPC.

Stephen, R. A., F. K. Duennebieer, D. Harris, J. Jolly, S. T. Bolmer, and P. D. Bromirski

Data report: Broadband seismic observations at the Hawaii-2 observatory during ODP Leg 200.
Proc.ODP,Sci.Res., IN PRESS.

Department of WHOI Author: GEOL.

Sutherland, F. H., F. L. Vernon, J. A. Orcutt, J. A. Collins, and R. A. Stephen

Results from OCNPE: low detection threshold magnitudes for ocean-bottom recording.
Bull.Seismol.Soc.Am., IN PRESS.

Department of WHOI Author: GEOL.

Tucholke, B. E., J. O. Wheeler, and J. C. Reed, Jr.

Future revisions and additions to the Geologic Map of North America. In: *Geologic Map of North America*. J. C. Reed, Jr., J. O. Wheeler, and B. E. Tucholke, eds. Boulder, CO: Geological Society of America, IN PRESS.

Department of WHOI Author: GEOL.

Tucholke, B. E., J.-C. Sibuet, A. Klaus, et al

Leg summary. *Proc.ODP,Init.Repts.*, IN PRESS.

Department of WHOI Author: GEOL.

Tucholke, B. E., J.-C. Sibuet, A. Klaus, et al

Site 1276. *Proc.ODP,Init.Repts.*, IN PRESS.

Department of WHOI Author: GEOL.

Tucholke, B. E., J.-C. Sibuet, A. Klaus, et al

Site 1277. *Proc.ODP,Init.Repts.*, IN PRESS.

Department of WHOI Author: GEOL.

Walker, S. E., R. M. Dickhut, C. Chisholm-Brause, S. Sylva, and C. M. Reddy

Molecular and isotopic identification of PAH sources in a highly industrialized urban estuary.
Org.Geochem., IN PRESS.

Department of WHOI Author: GEOL.

Wheller, J. O., and B. E. Tucholke

Uses of the Geologic Map of North America. In: *Geologic Map of North America*. J. C. Reed, Jr., J. O. Wheeler, and B. E. Tucholke, eds. Boulder, CO: Geological Society of America, IN PRESS.

Department of WHOI Author: GEOL.

Whitehead, J. A.

The effect of potential vorticity on a flow rate through a gap. *Geophys.Res.Lett.*, IN PRESS.
Department of WHOI Author: PO.
Contribution Number: **11250**

Workman, R. K., and S. R. Hart

Major and trace element composition of the depleted MORB Mantle (DMM). *Earth Planet.Sci.Lett.*, IN PRESS.
Department of WHOI Author: GEOL.

Xie, Huixiang, Olover C. Zafiriou, and Thomas P Umile

Biological consumption of carbon monoxide in Delaware Bay, N. W. Atlantic and Beaufort Sea. *Mar.Ecol.Prog.Ser.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **11245**

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