



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - February 1998

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Ackert, Robert P., Jr.

A rock glacier/debris-covered glacier system at Galena Creek, Absaroka Mountains, Wyoming. *Geogr. Ann. Ser. B. Hum. Geogr.*, IN PRESS.

Contracts: OPP-9418333.

Department of WHOI Author: GEOL.

Contribution Number: **9662**

Barbeau, M.A. and H. Caswell.

A matrix model for short-term dynamics of seeded populations of sea scallops.

Ecol. Appl., IN PRESS.

Contracts: NSF DEB-9211945, URIP: N00014-92-J-1527.

Department of WHOI Author: BIO.

Contribution Number: **9658**

Barbieri, Elena, Deborah Hughes, Rebecca Ericson, and Andreas Teske.

Are gamma-proteobacteria the predominant symbionts in the squid *Loligo Pealei*.

In: *New Developments in Marine Biotechnology*. Y. Legal and H. Halvorson, eds.

Plenum Publishing Corp., IN PRESS.

Contracts: WHOI Postdoctoral Fellowship.

Department of WHOI Author: BIO.

Contribution Number: **9651**

Christie, D., B. West, D. Pyle, and B. Hanan.

Chaotic topography, mantle flow and mantle migration in the Australian-Antarctic Discordance. *Nature*, IN PRESS.

Contracts: WHOI Post-doctoral Fellowship.

Department of WHOI Author: GEO.

Contribution Number: **9653**

Costello, C.J., S. Polasky, and A. Solow.

An unexpected result in fisheries management with environmental prediction.

Nature, IN PRESS.

Contracts: EPA No. R825311-01-0.

Department of WHOI Author: MPC.

Contribution Number: **9637**

Eggen, Trym H. and James C. Presign.

On the removal of Doppler with recursive least squares and phase locked loops.

IEEE J.Ocean.Eng., IN PRESS.

Contracts: MIT Subcontract.

Department of WHOI Author: AOPE.

Contribution Number: **9633**

Fornari, D.J., T. Shank, K.L. Von Damm, T.K.P. Gregg, M. Lilley, G. Levai, A. Bray, R.M. Haymon, M.R. Perfit, and R. Lutz.

Time-series temperature measurements at high-temperature hydrothermal vents, East Pacific Rise 9° 49'-51 N: Evidence for monitoring a crustal cracking event.

Geophys.Res.Let., IN PRESS.

Contracts: OCE-9100503, OCE-9505384, OCE-9303678, OCE-9217026, OCE-901440, OCE-9300508.

Department of WHOI Author: GEO.

Contribution Number: **9652**

Huang, Rui Xin

On the balance of energy in the oceanic general circulation.

Chin.J.Atmos.Sci., IN PRESS.

Contracts: OCE96-16950.

Department of WHOI Author: PO.

Contribution Number: **9666**

Jarvinen, Denise and Gisele Magnusson.

Public resources for private sector mariculture investment in the United States, Canada and Europe. *Marine Affairs*, IN PRESS.

Contracts: Marine Policy Center, Rhode Island Foundation, WHOI Sea Grant Program, MIT Sea Grant Program.

Department of WHOI Author: MPC.

Contribution Number: **9563**

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.*, IN PRESS.

Contracts: OCE-9100503.

Department of WHOI Author: GEOL.

Contribution Number: **9647**

LaCasce, J.H. and K.H. Brink.

Geostrophic turbulence over a slope. Part I: Energetics. *J.Fluid Mech.*, IN
PRESS.

Contracts: N00014-92-J-1643, N00014-92-J-1528.

Department of WHOI Author: PO.

Contribution Number: **9650**

McManus, Jerry F.

Radiometrically determined sedimentary fluxes in the sub-polar North Atlantic
during the last 140,000 years. *Earth Planet.Sci.Lett.*, IN PRESS.

Contracts: OCE-9632372.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Plueddemann, Albert J., and Robert A. Weller.

Structure and evolution of the oceanic surface boundary layer. *Proceedings of
29th International Liege Colloquium on Ocean Hydrodynamics*, IN PRESS.

Contracts: N00014-90-J-1495.

Department of WHOI Author: PO.

Contribution Number: **9648**

Pratt, L.J., William Johns, Stephen P. Murray, and Katsurou Katsumata.

Hydraulic interpretations of direct velocity measurements in the Bab al Mandab.
J.Phys.Oceanogr., IN PRESS.

Contracts: N00014-1-0456.

Department of WHOI Author: PO.

Contribution Number: **9649**

Schlezinger, Jennifer J. and John J. Stegeman.

Oxidative inactivation of Cytochrome P4501A stimulated by 3,3',4,4'-
tetrachlorobiphenyl and the production of reactive oxygen by fish, rat and human
CYP1As. *J.Biol.Chem.*, IN PRESS.

Contracts: NIH Grant P42-ESO7381, EPA R823889, AFOSR F40620-94-1039,
WHOI Mellon Award.

Department of WHOI Author: BIO.

Contribution Number: **9661**

Solow, Andrew R., Heidi M. Franklin, and Stephen M. Bollens.

Variability in zooplankton community composition in the Northwest Atlantic.
J. Plankton Res., IN PRESS.
Contracts: OCE-9632738-001.
Department of WHOI Author: MPC.
Contribution Number: **9644**

Solow, Andrew R. and Stephen Polasky.

A quick estimator for taxonomic surveys. *Ecology*, IN PRESS.
Contracts: EPA No. R825311-01-0.
Department of WHOI Author: MPC.
Contribution Number: **9645**

Swift, Stephen A., D. Lizarralde, Ralph A. Stephen, and Hartley Hoskins.

Velocity structure in upper ocean crust at Hole 504B from vertical seismic profiles. *J. Geophys. Res.*, IN PRESS.
Contracts: OCE-9529075.
Department of WHOI Author: GEOL.
Contribution Number: **9656**

Tivey, Maurice A. and Brian E. Tucholke.

Magnetization of 0 to 29 Ma ocean crust on the Mid-Atlantic Ridge, 25°30' to 27°10'N. *J. Geophys. Res.*, IN PRESS.
Contracts: N00014-94-1-0467, N00014-94-1-0466, OCE-9200905,
OCE-9503561.
Department of WHOI Author: GEOL.
Contribution Number: **9657**

Tivey, Maurice A., H. Paul Johnson, Albert Bradley, and Dana Yoerger.

Thickness of a submarine lava flow determined from near-bottom magnetic field mapping by autonomous underwater vehicle. *Geophys. Res. Lett.*, IN PRESS.
Contracts: OCE-9505514.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Wallbridge, S., G. Voulgaris, B.N. Tomlinson, and M.B. Collins.

Initial motion and pivoting characteristics of sand particles in uniform and heterogeneous beds: Experiments and modelling. *Sedimentology*, IN PRESS.
Contracts: WHOI Postdoctoral Award.
Department of WHOI Author: GEOL.
Contribution Number: **9646**

Warren, Bruce A.

Approximating the energy transport across oceanic sections.

J.Geophys.Res., IN PRESS.

Contracts: OCE91-16284.

Department of WHOI Author: PO.

Contribution Number: **9659**

West, Brian and Jian Lin, Jian.

Factors driving ridge propagation. *J.Geophys. Res.*, IN PRESS.

Contracts: WHOI Postdoctoral Fellowship.

Department of WHOI Author: GEOL.

Contribution Number: **9663**

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