



## WHOI Contributions to the Scientific Literature Monthly Activity Report

### Articles Received in December 2000

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**Anderson, Laurence A., Allan R. Robinson, and Carlos J. Lozano.**

Physical and biological modeling in the Gulf Stream region: I. Data assimilation methodology. *Deep-Sea Res.I*, 47:1787-1827, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Ashjian, Carin J., Cabell S. Davis, Scott M. Gallager, and Philip Alatalo.**

Distribution of plankton, particles, and hydrographic features across Georges Bank using the Video Plankton Recorder. *Deep-Sea Res.II*, 48:245-282, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10028**

**Avent, Sean R., Stephen M. Bollens, Mari Butler, Erich Horgan, and Rodney Rountree.**

Planktonic hydroids on Georges Bank: Ingestion and selection by predatory fishes. *Deep-Sea Res.II*, 48:673-684, 2001.

Department of WHOI Author: BIO.

Contribution Number: **9848**

**Ballard, R. D., D. F. Coleman, and G. D. Rosenberg.**

Further evidence of abrupt Holocene drowning of the Black Sea shelf. *Mar.Geol.*, 170:253-261, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Ballard, R. D., A. M. McCann, D. Yoerger, L. Whitcomb, D. Mindell, J. Oleson, H. Singh, B. Foley, J. Adams, D. Piechota, and C. Giangrande.**

The discovery of ancient history in the deep sea using advanced deep submergence technology. *Deep-Sea Res.I*, 47:1591-1620, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Bard, Shannon Mala.**

Multixenobiotic resistance as a cellular defense mechanism in aquatic organisms.

*Aquat.Toxicol.*, 48:357-389, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9969**

**Berggren, W. A., M.-P. Aubry, M. van Fossen, D. V. Kent, R. D. Norris, and F. Quillevère.**

Integrated Paleocene calcareous plankton magnetobiochronology and stable isotope stratigraphy: DSDP Site 384 (NW Atlantic Ocean).

*Paleogeogr.Paleoclimatol.Paleoecol.*, 159:1-51, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **9998**

**Blusztajn, J., S. R. Hart, and G. Ravizza.**

Platinum-group elements and Os isotopic characteristics of the lower oceanic crust.

*Chem.Geol.*, 158:113-122, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Bollens, Stephen M., Erich Horgan, Stephanie Concelman, Laurence P. Madin, Scott M. Gallager, and Mari Butler.**

Planktonic hydroids on Georges Bank: Effects of mixing and food supply on feeding and growth. *Deep-Sea Res.II*, 8:659-672, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9847**

**Broerse, A. T. C., P. Ziveri, and S. Honjo.**

Coccolithophore (-CaCO<sub>3</sub>) flux in the Sea of Okhotsk: seasonality, settling and alteration processes. *Mar.Micropaleontol.*, 39:179-200, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Broerse, Alexandra T. C., Patrizia Ziveri, Jan E. van Hinte, and Susumu Honjo.**

Coccolithophore export production, species composition, and coccolith-CaCo<sub>3</sub> fluxes in the NE Atlantic (34°N 21°W and 48°N 21°W).

*Deep-Sea Res. II*, 47:1877-1905, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Bucklin, Ann, Maria Guarneri, Dennis J. McGillicuddy, and R. Sean Hill.**

Spring evolution of *Pseudocalanus* spp. abundance on Georges Bank based on molecular discrimination of *P. moultoni* and *P. newmani*.

*Deep-Sea Res. II*, 48:589-608, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10053**

**Buesseler, Ken O., Deborah K. Steinberg, Anthony F. Michaels, Rodney J. Johnson, John E. Andrews, James R. Valdes, and James F. Price.**

A comparison of the quantity and composition of material caught in a neutrally buoyant versus surface-tethered sediment trap.

*Deep-Sea Res. I*, 47:277-294, 2000.

Department of WHOI Author: MCG. PO.

Contribution Number: **9889**

**Caron, David A., Mark R. Dennett, Daracy J. Lonsdale, Dawn M. Moran, and Ludmilla Shalapyonak.**

Microzooplankton herbivory in the Ross Sea, Antarctica.

*Deep Sea Res. II*, 47:3249-3272, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10278**

**Caswell, Hal.**

No inconsistencies in sensitivity analysis. *Trends Ecol. Evol.*, 15(5):204, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Celander, Malin C., Michael J. Moore, and John J. Stegeman.**

Cellular localization of CYP3A proteins in various tissues from pilot whale (*Globicephala melas*). *Environ. Toxicol. Pharmacol.*, 8:245-253, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9605**

**Chen, Changsheng, Robert Beardsley, and Peter J. S. Franks.**

A 3-D prognostic numerical model study of the Georges Bank ecosystem. Part I: physical model. *Deep-Sea Res. II*, 48:219-456, 2001.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Cochran, J. K., K. O. Buesseler, M. P. Bacon, H. W. Wang, D. J. Hirschberg, L. Ball, J. Andrews, G. Crossin, and A. Flier.**

Short-lived thorium isotopes ( $^{234}\text{Th}$ ,  $^{228}\text{Th}$ ) as indicators of POC export and particle cycling in the Ross Sea, Southern Ocean.

*Deep-Sea Res. II*, 47:3451-3490, 2000.

Department of WHOI Author: MCG.

Contribution Number: **10252**

**Collier, Robert, Jack Dymond, Susumu Honjo, Steven Manganini, Roger Francois, and Robert Dunbar.**

The vertical flux of biogenic and lithogenic material in the Ross Sea: Moored sediment trap observations 1996-1998. *Deep-Sea Res. II*, 47:3491-3520, 2000.

Department of WHOI Author: GEOL. MCG.

Contribution Number: **NONE**

**Concelman, Stephanie, Stephen M. Bollens, Barbara K. Sullivan, Laurence P. Madin, Erich Horgan, Mari Butler, and Donna van Keuren**

Distribution, abundance and benthic-pelagic coupling of suspended hydroids on Georges Bank. *Deep-Sea Res. II*, 48:645-658, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10323**

**Currie, L. A., J. D. Kessler, J. V. Marolf, A. P. McNichol, D. R. Stuart, J. C. Donoghue, D. J. Donahue, G. S. Burr, and D. Biddulph.**

Low-level (submicromole) environmental  $^{14}\text{C}$  metrology.

*Nucl. Instrum. Meth. Phys. Res. B*, 172:440-448, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10108**

**Dai, M. H., K. O. Buesseler, J. M. Kelley, J. E. Andrews, S. Pike, and J. F. Wacker.**

Size-fractionated plutonium isotopes in a coastal environment. *J. Environ. Radioact.*, 53:9-25, 2001.

Department of WHOI Author: MCG.

Contribution Number: **9976**

**Dick, Henry J. B., James H. Natland, Jeffrey C. Alt, Wolfgang Bach, Daniel Bideau, Jeffrey S. Gee, Sarah Haggas, Jan G. H. Hertogen, Greg Hirth, Paul Martin Holm, Benoit Ildefonse, Gerardo J. Iturrino, Barbara E. John, Deborah S. Kelley, Eiichi Kikawa, A. Kindon, P. J. LeRoux, J. Maeda, and P. S. Meyer, et al.**

A long in-situ section of the lower ocean crust: Results of ODP Leg 176 drilling at the Southwest Indian Ridge. *Earth Planet.Sci.Lett.*, 179:31-51, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Dusenberry, J. A., R. J. Olson, and S. W. Chisholm.**

Field observations of oceanic mixed layer dynamics and picophytoplankton photoacclimation. *J.Mar.Syst.*, 24:221-232, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Epstein, Ari W. and Robert C. Beardsley.**

Flow induced aggregation of plankton at a front: A 2-D Eulerian model study. *Deep Sea Res.II - GLOBEC Special Volume*, 48:395-418, 2001.

Department of WHOI Author: PO.

Contribution Number: **10099**

**Evans, Rob L., L. K. Law, B. St. Louis, and S. Cheesman.**

Buried paleo-channels on the New Jersey continental margin: channel porosity structures from electromagnetic surveying. *Mar.Geol.*, 170:381-394, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Fries, J. Stephen, Cheryl Ann Butman, and Robert A. Wheatcroft.**

Ripple formation induced by biogenic mounds - reply.

*Mar.Geol.*, 168:153-155, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **10170**

**Gagnon, Alan R., Ann P. McNichol, Joanne C. Donoghue, Dana R. Stuart, Karl von Reden, J. M. Hayes, R. J. Schneider, K. L. Elder, M. Bellino, P. Long, R. Beaudette, and S. K. Handwork.**

The NOSAMS sample preparation laboratory in the next millenium: Progress after the WOCE Program. *Nuc.Instrum.&Methods B*, 172:409-415, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10109**

**Ganachaud, Alexandre, Carl Wunsch, Jochem Marotzke, and John Toole.**

Meridional overturning and large-scale circulation of the Indian Ocean.  
*J.Geophys.Res.*, 105(C11):26117-26134, 2000.  
Department of WHOI Author: PO.  
Contribution Number: **NONE**

**Godard, C. A. J., M. J. Leaver, M. R. Said, R. L. Dickerson, S. George, and J. J. Stegeman.**

Identification of cytochrome P450 1 B-like sequences in two teleost fish species (scup, *Stenotomus chrysops* and plaice, *Pleuronectes platessa*) and in a cetacean (striped dolphin, *Stenella coeruleoalba*). *Mar. Environ. Res.*, 50:7-10, 2000.  
Department of WHOI Author: BIO.  
Contribution Number: **NONE**

**Goni, Miguel A., Mark B. Yunker, Robie W. Macdonald, and Timothy I. Eglinton.**

Distribution and sources of organic biomarkers in arctic sediments from the Mackenzie River and Beaufort Shelf. *Mar. Chem.*, 71:23-51, 2000.  
Department of WHOI Author: MCG.  
Contribution Number: **10203**

**Gregg, Tracy K. P., Daniel J. Fornari, Michael R. Perfit, W. Ian Ridley, and Mark D. Kurz.**

Using submarine lava pillars to record mid-ocean ridge eruption dynamics.  
*Earth Planet. Sci. Lett.*, 178:195-214, 2000.  
Department of WHOI Author: GEOL. MCG.  
Contribution Number: **9977**

**Haidar, Ali T., Hans R. Thierstein, and Werner G. Deuser.**

Calcareous phytoplankton standing stocks, fluxes and accumulation in Holocene sediments off Bermuda (N. Atlantic). *Deep-Sea Res. II*, 47:1907-1938, 2000.  
Department of WHOI Author: MCG.  
Contribution Number: **9759**

**Hassler, Deborah R., Bernhard Peucker-Ehrenbrink, and Greg E. Ravizza.**

Rapid determination of os isotopic composition by sparging OsO<sub>4</sub> into a magnetic-sector ICP-MS. *Chem. Geol.*, 166:1-14, 2000.  
Department of WHOI Author: MCG. GEOL.  
Contribution Number: **9952**

**Hestermann, Eli V., John J. Stegeman, and Mark E. Hahn.**

Relative contributions of affinity and intrinsic efficacy to aryl hydrocarbon receptor ligand potency. *Toxicol.Appl.Pharmacol.*, 168(2):160-172, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10113**

**Hill, Paul S., Timothy G. Milligan, and W. Rockwell Geyer.**

Controls on effective settling velocity of suspended sediment in the Eel River flood plume. *Cont.Shelf Res.*, 20:2095-2111, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

**Hinrichs, Kai-Uwe, Roger E. Summons, Victoria Orphan, Sean P. Sylva, and John M. Hayes.**

Molecular and isotopic analysis of anaerobic methane-oxidizing communities in marine sediments. *Org.Geochem.*, 31:1685-1701, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10256**

**Honjo, Susumu, Roger Francois, Steven Manganini, Jack Dymond, and Robert Collier.**

Export fluxes to the interior of the Southern Ocean in the Western Pacific sector along 170°W. *Deep-Sea Res.II*, 47:3521-3548, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10025**

**Huang, Yongsong, Lydie Dupont, Michael Sarthein, John M. Hayes, and Geoffrey Eglinton.**

Mapping of C<sub>4</sub> plant input from North West Africa into North East Atlantic sediments. *Geochim.Cosmochim.Acta*, 64(20):3505-3513, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Jin, Di and Hauke L. Kite-Powell.**

Optimal fleet utilization and replacement. *Transp.Res.Part E*, 36:3-20, 2000.

Department of WHOI Author: MPC.

Contribution Number: **9960**

**Kaplan, Ilene M. and Hauke L. Kite-Powell.**

Safety at sea and fisheries management: Fishermen's attitudes and the need for co-management. *Mar.Pol.*, 24:493-497, 2000.

Department of WHOI Author: MPC.

Contribution Number: **10287**

**Karchner, S. I., S. W. Kennedy, S. Trudeau, and M. E. Hahn.**

Towards a molecular understanding of species differences in dioxin sensitivity: Initial characterization of Ah receptor cDNAs in birds and an amphibian. *Mar. Environ. Res.*, 50:51-56, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9939**

**Korenaga, Jun and Peter B. Kelemen.**

Major element heterogeneity in the mantle source of the North Atlantic igneous province. *Earth Planet. Sci. Lett.*, 184:251-268, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Kortzinger, Arne, Ludger Mintrop, Douglas W. R. Wallace, Kenneth M. Johnson, Craig Neill, Bronte Tilbrook, Philip Towler, Hisayuke Y. Inoue, Masao Ishii, Gary Shaffer, Rodrigo F. Torres Saavedra, Eiji Ohtaki, Eiji Yamashita, Alain Poisson, Christian Brunet, Bernard Schauer, Catherine Goyet, and Greg Eiseheid.**

The international at-sea intercomparison of  $f\text{CO}_2$  systems during the R/V Meteor cruise 36/1 in the North Atlantic Ocean. *Mar. Chem.*, 72:171-192, 2000.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Lerperger, Michael, A. P. McNichol, J. Peden, A. R. Gagnon, K. L. Elder, W. Kutschera, W. Rom, and P. Steier.**

Oceanic uptake of  $\text{CO}_2$  re-estimated through  $\delta^{13}\text{C}$  in WOCE samples. *Nuc. Instrum. & Methods*, 172:501-512, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10283**

**Lewis, Craig V. W., Changsheng Chen, and Cabell S. Davis.**

Effect of winter wind variability on plankton transport over Georges Bank. *Deep-Sea Res. II*, 48:137-158, 2001.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Lonsdale, D. J., David A. Caron, Mark R. Dennett, and Rebecca Shaffner.**

Predation of *Oithona* spp. on protozooplankton in the Ross Sea, Antarctica. *Deep-Sea Res. II*, 47:3273-3283, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10258**



**Magde, Laura S., Andrew H. Barclay, Douglas R. Toomey, Robert S. Detrick, and John A. Collins.**

Crustal magma plumbing within a segment of the Mid-Atlantic Ridge, 35°N. *Earth Planet.Sci.Lett.*, 175:55-67, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Martin, Candace E., Berhard Peucker-Ehrenbrink, Gregg J. Brunskill, and Ron Szymczak.**

Sources and sinks of unradiogenic osmium runoff from Papua New Guinea. *Earth Planet.Sci.Lett.*, 183:261-274, 2000.

Department of WHOI Author: MCG.

Contribution Number: **10268**

**Mauritzen, C., Y. Morel, and J. Paillet.**

On the influence of Mediterranean water on the central waters of the North Atlantic Ocean. *Deep-Sea Res.I*, 48:347-381, 2001.

Department of WHOI Author: PO.

Contribution Number: **10190**

**McGillicuddy, D. J., D. R. Lynch, P. Wiebe, J. Runge, E. G. Durbin, W. C. Gentleman, and C. S. Davis.**

Evaluating the synopticity of the U. S. GLOBEC Georges Bank broad-scale sampling pattern with observational system simulation experiments.

*Deep-Sea Res.II*, 48:483-499, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10018**

**McNichol, A. P., R. J. Schneider, K. F. von Reden, A. R. Gagnon, K. A. Elder, NOSAMS, R. M. Key, and P. D. Quay.**

Ten years after - the WOCE AMS radiocarbon program.

*Nucl.Instrum.Meth.Phys.Res.B*, 172:479-484, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10100**

**Metaxas, A. and C. M. Young.**

Behaviour of echinoid larvae around sharp haloclines: Effects of the salinity gradient and dietary conditioning. *Mar.Biol.*, 131:443-459, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Metaxas, A. and C. M. Young.**

Responses of echinoid larvae to food patches of different algal densities. *Mar.Biol.*, 130:433-445, 1998.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Mitchell, Neil C., Maurice a. Tivey, and Pascal Gente.**

Seafloor slopes at mid-ocean ridges from submersible observations and implications for interpreting geology from seafloor topography.

*Earth Planet.Sci.Lett.*, 183:543-555, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Moreira, Manuel and Philippe Sarda.**

Noble gas constraints on degassing processes.

*Earth Planet.Sci.Lett.*, 176:375-386, 2000.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Mullineaux, Lauren S., Charles R. Fisher, Charles H. Peterson, and Stephen W. Schaeffer.**

Tubeworm succession at hydrothermal vents: Use of biogenic cues to reduce habitat selection error? *Oecologia*, 123:275-284, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9934**

**Naimie, Christopher, Richard Limeburner, Charles G. Hannah, and Robert C. Beardsley.**

On the geographic and seasonal patterns of the near-surface circulation on Georges Bank - from real and simulated drifters.

*Deep-Sea Res.II*, 48:501-518, 2001.

Department of WHOI Author: PO.

Contribution Number: **NONE**

**Neubert, Michael G., Mark Kot, and Mark Lewis.**

Invasion speeds in fluctuating environments.

*Proc.Royal Soc. (London) B*, 267:1603-1610, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10174**

**Oboh-Ikuenobe, Francisca, Oscar Yepes, and the ODP Leg 159 Scientific Party.**

Palynofacies analysis of sediments from the Cote d'Ivoire-Ghana transform margin:

Preliminary correlation with some regional events in the Equatorial Atlantic.

*Palaeogeogr.Paleoclimatol.Paleoecol.*, 129:291-314, 1997.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Olson, R. J., H. M. Sosik, A. M. Chekalyuk, and A. Shalapyonok.**

Effects of iron enrichment on phytoplankton in the Southern Ocean during late summer:

Active fluorescence and flow cytometric analyses.

*Deep-Sea Res.II*, 47:3181-3200, .

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Panter, Kurt S., Stanley R. Hart, Philip Kyle, Jerzy Blusztajn, and Thom Wilch.**

Geochemistry of Late Cenozoic basalts from the Cray Mountains: Characterization of mantle sources in Marie Byrd Land, Antarctica.

*Chem.Geol.*, 165:215-241, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Pearson, A. and T. I. Eglinton.**

The origin of n-Alkanes in Santa Monica Basin surface sediment: A model based on compound-specific  $\delta^{14}\text{C}$  and  $\delta^{13}\text{C}$  data. *Org.Geochem.*, 31:1103-1116, 2000.

Department of WHOI Author: MCG.

Contribution Number: **10245**

**Petch, S. T., R. A. Berner, and T. I. Eglinton.**

A field study of the chemical weathering of ancient sedimentary organic matter.

*Org.Geochem.*, 31:475-487, 2000.

Department of WHOI Author: MCG.

Contribution Number: **9933**

**Peucker-Ehrinbrink, Bernhard, and Greg Ravizza.**

The effects of sampling artifacts on cosmic dust flux estimates: A reevaluation of nonvolatile tracers (Os, Ir). *Geochim.Cosmochim.Acta*, 64(11):1965-1970, 2000.

Department of WHOI Author: MCG. GEOL.

Contribution Number: **10085**

**Pickart, Robert S.**

Bottom boundary layer structure and detachment in the shelfbreak jet of the Middle Atlantic Bight. *J.Phys.Oceanogr.*, 30(11):2668-2686, 2000.

Department of WHOI Author: PO.

Contribution Number: **9965**

**Powell, W. H. and M. E. Hahn.**

The evolution of aryl hydrocarbon signaling proteins: Diversity of ARNT isoforms among fish species. *Mar.Environ.Res.*, 50:39-44, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9938**

**Pratt, L. J., K. R. Helfrich, and E. P. Chassignet.**

Hydraulic adjustment to an obstacle in a rotating channel.

*J.Fluid Mech.*, 404:117-149, 2000.

Department of WHOI Author: PO.

Contribution Number: **10034**

**Reddy, Christopher M., Timothy I. Eglinton, Radosav Palic, Bryan C. Benitez-Nelson, Gordana Stojanovic, Ivan Palic, Sinisa Djordjevic, and Geoffrey Eglinton.**

Even carbon number predominance of plant wax *n*-Alkanes: A correction.

*Org.Chem.*, 31:331-336, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10155**

**Renner, Jorg, Brian Evans, and Greg Hirth.**

On the rheologically critical melt fraction.

*Earth Planet.Sci.Lett.*, 181:585-594, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Sabine, C. L., R. Wanninkhof, R. M. Key, C. Goyet, and F. J. Millero.**

Seasonal CO<sub>2</sub> fluxes in the tropical and subtropical Indian Ocean.

*Mar.Chem.*, 72:33-53, 2000.

Department of WHOI Author: MCG.

Contribution Number:

**Sachs, Julian P. and Daniel J. Repeta.**

The purification of chlorins from marine particles and sediments for nitrogen and carbon isotopic analysis. *Org.Geochem.*, 31:317-329, 2000.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Schlezinger, Jennifer J., Jennifer Keller, Loria A. Verbrugge, and John J. Stegeman.**

3,3',4,4'-Tetrachlorobiphenyl oxidation in fish, bird and reptile species: Relationship to cytochrome P450 1A inactivation and reactive oxygen production.

*Comp.Biochem.Physiol., Pt.C*, 125:273-286, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9954**

**Schlezinger, Jennifer J. and John J. Stegeman.**

Induction cytochrome P450 1A in the American eel by model halogenated and non-halogenated aryl hydrocarbon receptor agonists.

*Aquat.Toxicol.*, 50:375-386, 2000.

Department of WHOI Author: BIO.

Contribution Number: **9981**

**Schlezinger, Jennifer J., Courteny E. Blickarz, Koren K. Mann, Stefan Doerre, and John J. Stegeman.**

Identification of NF-kappa B in the marine fish *Stenotomus chrysops* and examination of its activation of aryl hydrocarbon receptor agonists. *Chem.Biol.Interact.*, 126:137-157, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10126**

**Schlosser, P., R. Bayer, G. Bonisch, L. W. Cooper, B. Ekwurzel, W. J. Jenkins, S. Khatiwala, S. Pfirman, and W. M. Smethie.**

Pathways and mean residence times of dissolved pollutants in the ocean derived from transient tracers and stable isotopes.

*Sci.Total Environ.*, 237/238:15-30, 1999.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

**Schneider, R. J., K. F. von Reden, J. M. Hayes, J. S. C. Wills, W. G. E. Kern, and S.-W. Kim.**

Tests of positive ion beams from a microwave ion source for AMS.

*Nuc.Instrum.&Methods B*, 172:252-256, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

**Sholkovitz, Edward and Ronald Szymczak.**

The estuarine chemistry of rare earth elements: Comparison of the Amazon, Fly, Sepik, and the Gulf of Papua systems. *Earth Planet.Sci.Lett.*, 179:299-309, 2000.

Department of WHOI Author: MCG.

Contribution Number: **10078**

**Spall, Michael A., Robert A. Weller, and Peter W. Furey.**

Modelling the three-dimensional upper ocean heat budget and subduction rate during the Subduction Experiment.

*J.Geophys.Res.*, 105(C11):26151-26166, 2000.

Department of WHOI Author: PO.

Contribution Number: **10172**

**Steinberg, Deborah K., Craig A. Carlson, Nicholas R. Bates, Sarah A. Goldthwait, Laurence P. Madin, and Anthony F. Michaels.**

Zooplankton vertical migration and the active transport of dissolved organic and inorganic carbon in the Sargasso Sea. *Deep-Sea Res.I*, 47:137-158, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

**Taylor, M. H., W. P. Dillon, and I. A. Pecher.**

Trapping and migration of methane associated with the gas hydrate stability zone at the Blake Ridge Diapir: New insights from seismic data.

*Mar.Geol.*, 164:79-89, 2000.

Department of WHOI Author:

Contribution Number: **NONE**

**Traykovski, P., W. R. Geyer, J. D. Irish, and J. F. Lynch.**

The role of wave-induced density-driven fluid mud flows for cross-shelf transport on the Eel River continental shelf. *Cont.Shelf Res.*, 20:2113-2140, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **10182**

**Trust, Kimberly A., Daniel Esler, Bruce R. Woodin, and John J. Stegeman.**

Cytochrome P450 1A induction in sea ducks inhabiting nearshore areas of Prince William Sound, Alaska. *Mar.Poll.Bull.*, 40(5):397-403, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

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

Glacial/interglacial variations of sedimentation on the West Australian continental margin:

Constraints from excess <sup>230</sup>Th. *Mar.Geol.*, 166:11-30, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

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