



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in March 2001

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Allen, Ben, William S. Vorus, and Timothy Prester.

Propulsion system performance enhancements on REMUS AUVs.

Oceans '00, 3:1869-1873, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Allerton, Simon and Maurice A. Tivey.

Magnetic polarity structure of the lower oceanic crust.

Geophys.Res.Let., 28(3):423-426, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **10222**

Atkins, Michael S., Andreas P. Teske, and O. Roger Anderson.

A survey of flagellate diversity at four deep-sea hydrothermal vents in the Eastern Pacific Ocean using structural and molecular approaches.

J.Eukaryot.Microbiol., 47(4):400-411, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10159**

**Austin, Thomas, James Edson, Wade McGillis, Chris von Alt, Mike Purcell,
Robert Petitt, Marguerite McElroy, Jonathan Ware, and Roger Stokey.**

The Martha's Vineyard coastal observatory: A long term facility for monitoring air-sea processes. *Oceans '00*, 3:1937-1941, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **10229**

Austin, Thomas C., Roger P. Stokey, and Kenneth M. Sharp.

PARADIGM: A buoy-based system for AUV navigation and tracking. *Oceans '00*, 2:935-938, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **10235**

Badiy, Mohsen, Yongke Mu, James F. Lynch, Stephen N. Wolf, and Gareth M. Houk.

Observation of dispersion and azimuthal dependence of broadband acoustic signals in shallow water. *Oceans '00*, 2:859-864, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Ballard, Robert D.

The history of Woods Hole's deep submergence program. In: *Fifty Years of Ocean Discovery: National Science Foundation, 1950-2000/Ocean Studies Board, National Research Council*, :67-84, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Bivens, J., M. Geiger, J. Bird, D. Lapota, P. Fucile.

Performance evaluation of two prototype bioluminescence sensors. In: *Ocean Optics XV Conference. Musee Oceanographique, Monaco, October 16-20, 2000*. Steve Ackleson and John Marra, Co-Convenors. CD ROM prepared by the Office of Naval Research (Ocean, Atmosphere and Space S&T Department), Washington, D. C., 5 pp., 2000.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Bowen, M. F., P. J. Bernard, D. E. Gleason, and L. L. Whitcomb.

Elevators--Autonomous transporters for deepsea benthic sample recovery. *Oceans '00*, 1:343-348, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Buck, John R., Hugh B. Morgenbesser, and Peter L. Tyack.

Synthesis and modification of the whistles of the bottlenose dolphin, *Tursiops truncatus*. *J.Acoust.Soc.Am.*, 108(1):407-416, 2000.
Department of WHOI Author: BIO.
Contribution Number: **10039**

Butler, R., A. D. Chave, F. K. Duennebie, D. R. Yoerger, R. Petit, D. Harris, F. B. Wooding, A. D. Bowen, J. Bailey, J. Jolly, E. Hobart, J. A. Hildebrand, and A. H. Dodeman.

The Hawaii-2 Observatory pioneers opportunities for remote instrumentation in ocean studies. *EOS*, 81(15):157, 162, 163, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10048**

Charette, Matthew A. and Ken O. Buesseler.

Does iron fertilisation lead to rapid carbon export in the Southern Ocean?.

Geochem.Geophys.Geosys., 1:13 Oct. 2000, Paper no. 2000GC000069 (9 Mar. 2001).

<http://146.201.254.53/publicationsfinal/researchletters/2000GC000069/article2000GC000069.pdf>, 2000.

Department of WHOI Author: MCG.

Contribution Number: **10197**

Chave, Alan D., Fred K. Duennebie, and Rhett Butler.

Putting H₂O in the ocean. *Oceanus*, 42(1):6-9, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Churchill, James H., Jackson O. Blanton, James L. Hench, Richard A. Luettich, and F. E. Werner.

Flood tide circulation near Beaufort Inlet, North Carolina: Implications for larval recruitment. *Estuaries*, 22(4):1057-1070, 1999.

Department of WHOI Author: PO.

Contribution Number: **9804**

Cohen, Anne L., Graham D. Layne, Stanley R. Hart, and Phillip S. Lobel.

Kinetic control of skeletal Sr/Ca in a symbiotic coral: Implications for the paleotemperature proxy. *Paleoceanography*, 16(1):20-26, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Collins, Denise, Scott Kadelski, Robert Lonardo, Benjamin Peterson, Christopher Reddy, Charles J. Marzacco, Arthur M. Halpern, and Fouad Nassiri.

The effects of micelles on electron-transfer and proton-transfer fluorescence quenching reactions. *Res.Dev.Photochem.Photobio.*, 3:77-89, 1999.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Dai, M. H., J. M. Martina, and G. Cauwet.

Colloidal organic carbon and trace metals. In: *The Venice Lagoon Ecosystem - Inputs and Interactions Between Land and Sea*, P. Lasserre, A. Marzollo, eds. Parthenon Publishing Group, Paris, France, :47-58, 2000.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Dai, Min-han, Jean-Marie Martin, Hua-sheng Hong, and Zu-lin Zhang.

Preliminary study on the dissolved and colloidal organic carbon in the Zhujiang River estuary. *Chin.J.Oceanol.Limnol.*, 18(3):265-273, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Delaney, John R. and Alan D. Chave.

NEPTUNE: A fiber-optic 'telescope' to inner space. *Oceanus*, 42(1):10-11, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Delaney, John R., G. Ross Heath, Bruce Howe, Alan D. Chave, and Harold Kirkham.

NEPTUNE: Real-time ocean and earth sciences at the scale of a tectonic plate. *Oceanography*, 13(2):71-79, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Detrick, Robert S., John A. Collins, and Daniel E. Frye.

Seafloor to surface to satellite to shore. *Oceanus*, 42(1):12-13, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Dunn, Robert A., Douglas R. Toomey, Robert S. Detrick, and William S. D. Wilcock.

Continuous mantle melt supply beneath an overlapping spreading center on the East Pacific Rise. *Science*, 291:1955-1958, 2001.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

DuRand, Michele D., Rebecca E. Green, Heidi M. Sosik, and Robert J. Olson.

Diel variations in optical properties of *Micromonas pusilla*, a prasinophyte. In: *Ocean Optics XV Conference. Musee Oceanographique, Monaco, October 16-20, 2000.* Steve Ackleson and John Marra, Co-Convenors. CD ROM prepared by the Office of Naval Research (Ocean, Atmosphere and Space S&T Department), Washington, D. C., 11 pp., 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Edson, James B., Wade R. McGillis, and Thomas C. Austin.

A new coastal observatory is born. *Oceanus*, 42(1):31-33, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Edwards, K. J., P. L. Bond, J. F. Banfield.

Characteristics of attachment and growth of *Thiobacillus caldus* on sulphide minerals: A chemotactic response to sulphur minerals?

Environ.Microbiol., 2(3):324-332, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Ertl, Robin P., Stelvio M. Bandiera, Donald R. Buhler, John J. Stegeman, and Gary W. Winston.

Immunochemical analysis of liver microsomal cytochromes P450 of the American alligator, *Alligator mississippiensis*.

Toxicol.Appl.Pharmacol., 157:157-165, 1999.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Fairall, C. W., J. E. Hare, J. B. Edson, and W. McGillis.

Parameterization and micrometeorological measurement of air-sea gas transfer.

Boundary-Layer Meteorol., 96(1-2):63-105, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Farrell, R., S. Goodwin, C. Wirsén, J. Lucciarini, M. Martinez, and J. Ratto.

A biodegradation study of co-extruded nanocomposites consisting of polycaprolactone and organically modified clay. In: *ANTEC 2000: Plastics, the Magical Solution, Conference Proceedings, Orlando, Florida, May 7-11, 2000.* Society of Plastic Engineers, Brookfield, Conn., :2796-2801, 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Finette, Steven, Marshall H. Orr, Altan Turgut, John R. Apel, Mohsen Badiy, Ching-sang Chiu, Robert H. Headrick, John N. Kemp, James F. Lynch, Arthur E. Newhall, Keith von der Heydt, Bruce Pasewark, Stephen N. Wolf, and Dirk Tielbuerger.

Acoustic field variability induced by time evolving internal wave fields.

J.Acoust.Soc.Am., 108(3/1):957-972, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Flower, B. P., D. W. Oppo, J. F. McManus, K. A. Venz, D. A. Hodell, and J. L. Cullen

North Atlantic intermediate to deep water circulation and chemical stratification during the past 1 Myr. *Paleoceanography*, 15(4):388-403, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10149**

Freitag, Lee, Matt Grund, Sandipa Singh, and Mark Johnson.

Acoustic communication in very shallow water: Results from the 1999 AUV fest.

Oceans '00, 3:2155-2160, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Freitag, Lee, Mark Johnson, Milica Stojanovic, Daniel Nagle, and Josko Catipovic.

Survey and analysis of underwater acoustic channels for coherent communication in the medium-frequency band. *Oceans '00*, 1:131-138, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Freitag, Lee, Mark Johnson, and Daniel Frye.

High-rate acoustic communications for ocean observatories-performance testing over a 3000 m vertical path. *Oceans '00*, 2:1443-1448, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Frisk, George V., Kyle M. Becker, and James A. Doutt.

Modal mapping in shallow water using synthetic aperture horizontal arrays. *Oceans '00*, 1:185-188, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **10242**

Frye, Daniel, Bradford Butman, Mark Johnson, Keith von der Heydt, and Steven Lerner.

Portable coastal observatories. *Oceanography*, 13(2):24-31, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Frye, Daniel E., Donald B. Peters, Nelson G. Hogg, and Carl Wunsch.

ULTRAMOOR: A 5-year current meter mooring. *Oceans '00*, 2:1097-1102, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Geyer, W. Rockwell, James T. Morris, Frederick G. Prahl, and David A. Jay.

Interaction between physical processes and ecosystem structure: A comparative approach. In: *Estuarine Science: A Synthetic Approach to Research and Practice*. John E. Hobbie, ed., Island Press, Washington, D. C., :177-206, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Geyer, W. Rockwell, P. Hill, T. Milligan, and P. Traykovski.

The structure of the Eel River plume during floods.
Cont.Shelf Res., 20:2067-2093, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **10005**

Glenn, Scott M., J. Frederick Grassle, and Christopher J. von Alt.

The LEO approach. *Oceanus*, 42(1):28-30, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Goldman, Joel C. and Mark R. Dennett.

Growth of marine bacteria in batch and continuous culture under carbon and nitrogen limitation. *Limnol.Oceanogr.*, 45(4):789-800, 2000.
Department of WHOI Author: BIO.
Contribution Number: **NONE**

Goyet, C., C. Coatanoan, G. Eiseheid, T. Amaoka, K. Okuda, and S. Tsunogai.

Determination of anthropogenic CO₂ in seawater based on mixing of water masses. In: *Proceedings of the 2nd International Symposium CO₂ in the Oceans, Tsukua, Japan, January 1999*, CGER-1037-'99, Yukihiro Nojiri, ed. Center for Global Environmental Research, National Institute for Environmental Studies, :309-313, 1999.
Department of WHOI Author: MCG.
Contribution Number: **NONE**

Green, Rebecca E., Heidi M. Sosik, Michele D. DuRand, and Robert J. Olson.

Comparison of refractive index estimated from single-cell and bulk optical properties.
In: *Ocean XV Conference. Musee Oceanographique, Monaco, October 16-20, 2000.* Steve Ackleson and John Marra, Co-Convenors. CD ROM prepared by the Office of Naval Research (Ocean, Atmosphere and Space S&T Department), Washington, D. C., 9 pp., 2000.
Department of WHOI Author: BIO.
Contribution Number: **NONE**

Haidvogel, D. B., P. Malanotte-Rizzoli, and D. J. McGillicuddy, Jr.

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

Halanych, Kenneth.

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

Halanych, Kenneth M., Richard A. Lutz, and Robert C. Vrijenhoek.

Evolutionary origins and age of vestimentiferan tube-worms.
Cah.Biol.Mar., 39:355-358, 1998.
Department of WHOI Author: BIO.
Contribution Number: **NONE**

Hoagland, Porter and Andrew E. Meeks.

The demand for whalewatching. In: *Marine Sanctuaries Conservation Series MSD-00-2, The Economic Contribution of Whalewatching to Regional Economies: Perspectives from Two National Marine Sanctuaries.* U.S. Department of Commerce, National Oceanic and Atmospheric Administration,, Office of Ocean and Coastal Resource Management, Marine Sanctuaries Division, July 2000:52-87, 2000.
Department of WHOI Author: MPC.
Contribution Number: **NONE**

Hoagland, Porter.

State of technology report - marine resources ddivision.
Mar.Technol.Soc.J., 34(2):46-61, 2000.
Department of WHOI Author: MPC.
Contribution Number: **NONE**

Hobart, Edward, Geoff Allsup, David Hosom, and Tom Baldassarre.

Acoustic modem unit. *Oceans '00*, 2:769-772, 2000.

Department of WHOI Author: AOPE. PO.

Contribution Number: **NONE**

Howland, Jonathan C. and Hanumant Singh.

Simulation of the deep sea mosaicking process. *Oceans '00*, 2:1353-1375, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **10224**

Humphris, Susan E. and Johnson R. Cann.

Constraints on the energy and chemical balances of the modern TAG and ancient Cyprus seafloor sulfide deposits. *J.Geophys.Res.*, 105(B12):28477-28488, 2000.

Department of WHOI Author: GEOL.

Contribution Number: **10257**

Iwata, Hisato and John J. Stegeman.

In situ RT-PCR detection of CYP1A mRNA in pharyngeal epithelium and chondroid cells from chemically untreated fish: Involvement in vertebrate craniofacial skeletal development?

Biochem.Biophys.Res.Comm., 271:130-137, 2000.

Department of WHOI Author: BIO.

Contribution Number: **10127**

Jay, David A., W. Rockwell Geyer, and David R. Montgomery.

An ecological perspective on estuarine classification. In: *Estuarine Science: A Synthetic Approach to Research and Practice*. John E. Hobbie, ed., Island Press, Washington, D. C., :149-176, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Jickells, T. D., S. Dorling, W. G. Deuser, T. M. Church, R. Arimoto, and J. Prospero.

Air-borne dust fluxes to a deep water sediment trap in the Sargasso Sea.

Global Biogeochem.Cycles, 12(2):311-320, 1998.

Department of WHOI Author: MCG.

Contribution Number: **9539**

Joyce, T. M., I. Yasuda, Y. Hiroe, K. Komatsu, K. Kawasaki, and F. Bahr.

Mixing in the meandering Kuroshio Extension and the formation of NPIW.

J.Geophys.Res., 106(C3):4397-4404, 2001.

Department of WHOI Author: PO.

Contribution Number: **10168**

Ketten, Darlene R.

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Department of WHOI Author: BIO.

Contribution Number: **NONE**

Layne, G. D. and K. W. Sims.

Secondary ion mass spectrometry for the measurement of $^{232}\text{Th}/^{230}\text{Th}$ in volcanic rocks. *Int.J.Mass Spectrom.*, 203:187-198, 2000.

Department of WHOI Author: GEOL

Contribution Number: **NONE**

Martin Traykovski, Linda V., and Heidi M. Sosik.

Optical classification of northwest Atlantic water types based on satellite ocean colour data. In: *Ocean Optics XV Conference. Musee Oceanographique, Monaco, October 16-20, 2000*. Steve Ackleson and John Marra, Co-Convenors. CD ROM prepared by the Office of Naval Research (Ocean, Atmosphere and Space S&T Department), Washington, D. C., 12 pp., 2000.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

McGillis, Wade, James Edson, Rik Wanninkhof.

Direct air-sea flux measurements of carbon dioxide over the North Atlantic Ocean and the comparison to indirect methods. In: *Proceedings of the 2nd International Symposium CO2 in the Oceans, Tsukuba, Japan, January 1999, CGER-1037-'99*, Yukihiro Nojiri, ed. Center for Global Environmental Research, National Institute for Environmental Studies, :367-377, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Montgomery, E. T. and R. W. Schmitt.

An automated method of processing data from profiling floats.

Oceans '00, 1:367-370, 2000.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Murray, Kimberly T., Andrew J. Read, and Andrew R. Solow.

The use of time/area closures to reduce bycatches of harbour porpoises: Lessons from the Gulf of Maine sink gillnet fishery. *J.Cet.Res.*, 2(2):135-141, 2000.

Department of WHOI Author: MPC.

Contribution Number: **9922**

Nazarova, Katherine A., Peter J. Wasilewski, and Henry J. B. Dick.

Magnetic study of serpentinized harzburgites from the Islas Orcadas Fracture Zone.
Mar.Geophys.Res., 21(5):475-488, 2000.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Oppo, Delia W. and Michael Horowitz

Glacial deepwater geometry: South Atlantic benthic foraminiferal Cd/Ca and $\delta^{13}\text{C}$.
Paleoceanography, 15(2):147-160, 2000.
Department of WHOI Author: GEOL.
Contribution Number: **10117**

Owens, W. Brechner and Bruce A. Warren

Deep circulation in the northwest corner of the Pacific Ocean.
Deep-Sea Res.I, 48:959-993, 2001.
Department of WHOI Author: PO.
Contribution Number: **10154**

Pedlosky, Joseph.

The transparency of ocean barriers to Rossby waves: The Rossby slit problem.
J.Phys.Oceanogr., 31:336-352, 2001.
Department of WHOI Author: PO.
Contribution Number: **9928**

Potty, Gopu R., James H. Miller, James F. Lynch, and Kevin B. Smith.

Tomographic inversion for sediment parameters in shallow water. *J.Acoust.Soc.Am.*,
108(3/1):973-986, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

**Purcell, Mike, Chris von Alt, Ben Allen, Tom Austin, Ned Forrester,
Rob Goldsborough, and Roger Stokey.**

New capabilities of the REMUS autonomous underwater vehicle. *Oceans '00*, 1:147-
151, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **10239**

Raubenheimer, Britt and Steve Elgar.

Where the surf meets the turf. *Oceanus*, 42(1):24-27, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Reddy, Christopher M., Linnea J. Heraty, Ben D. Holt, Neil C. Sturchio, Timothy I. Eglinton, Nicholas J. Drenzek, Li Xu, James L. Lake, and Keith A. Maruya.

Stable chlorine isotopic compositions of aroclors and aroclor-contaminated sediments. *Environ.Sci.Technol.*, 34(13):2866-2870, 2000.
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Contribution Number: **10194**

Rennie, Sarah E., John L. Largier, and Steven J. Lentz.

Observations of a pulsed buoyancy current downstream of Chesapeake Bay. *J.Geophys.Res.*, 104(C8):18227-18240, 1999.
Department of WHOI Author: PO.
Contribution Number: **NONE**

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A new autonomous underwater vehicle for imaging research. *Oceans '00*, 1:153-156, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **10231**

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Dose and inducer-dependent induction of cytochrome P450 1A in endothelia of the eel, including in the swimbladder rete mirabile, a model microvascular structure. *Drug Metab.Dispos.*, 28(6):701-708, 2000.
Department of WHOI Author: BIO.
Contribution Number: **10090**

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Ecology of a *Chaetoceros socialis* lauder patch on Georges Bank: Distribution, microbial associations, and grazing losses. *Oceanography*, 11(1):30-35, 2000.
Department of WHOI Author: BIO.
Contribution Number: **NONE**

Singer, R., J. Curtice, M. Kurz, and M. Lott, III.

Automation of a mass spectrometer and extraction line for the determination of noble gas isotopes in rocks. *Oceans '00*, I:119-122, 2000.
Department of WHOI Author: AOPE. MCG.
Contribution Number: **NONE**

Solow, Andrew R. and Woolcott K. Smith.

Testing for a mass extinction without selecting taxa.
Paleobiology, 26(4):647-650, 2000.
Department of WHOI Author: BIO.
Contribution Number: **9975**

Sosik, Heidi M. and John R. Morrison.

Analysis and visualization of inherent optical properties of the Gulf of Maine observed from a towed vehicle. In: *Ocean Optics XV Conference. Musee Oceanographique, Monaco, October 16-20, 2000*. Steve Ackleson and John Marra, Co-Convenors. CD ROM prepared by the Office of Naval Research (Ocean, Atmosphere and Space S&T Department), Washington, D. C., 11 pp., 2000.
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Contribution Number: **NONE**

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Hypothesis-feedback equalization for direct-sequence spread-spectrum underwater communications. *Oceans '00*, 1:123-128, 2000.
Department of WHOI Author: AOPE.
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Stokey, Roger P. and Thomas Austin.

The NaviComputer: A portable long baseline navigation system designed for interface to an autonomous underwater vehicle. *Oceans '00*, 3:2115-2121, 2000.
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Contribution Number: **NONE**

Stokey, Roger P.

Web-centric instrumentation: Controlling and monitoring a vertical profiler using a WWW browser. *Oceans '00*, 1:349-352, 2000.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Strong, B., B. Brumley, E. A. Terray, and Gregory W. Stone.

The performance of ADCP-derived directional wave spectra and comparison with other independent measurements. *Oceans '00*, 2:1195-1203, 2000.
Department of WHOI Author: AOPE.
Contribution Number: **10234**

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A pitot sensor for measuring near-surface turbulence.
Oceans '00, 2:981-986, 2000.
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Contribution Number: **10243**

Torres, Daniel J., Robert C. Millard, H. Marshall Swartz, and John M. Toole.

A comparison of LADCP and CTD performance on a slide-down-wire frame versus a standard CTD frame. *Oceans '00*, 1:359-366, 2000.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Tyack, Peter L.

Dolphins whistle a signature tune. *Science*, 289:1310-1311, 2000.
Department of WHOI Author: BIO.
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Communication and acoustic behavior of dolphins and whales. In: *Hearing by Whales and Dolphins*. Whitlow W. L. Au, Arthur N. Popper, Richard R. Fay, eds., Springer Handbook of Auditory Research, Volume 12, Richard R. Fay, Arthur N. Popper, Series eds. Springer-Verlag New York, Inc., NY, :156-224, 2000.
Department of WHOI Author: BIO.
Contribution Number: **NONE**

Uchupi, E., N. Driscoll, R. D. Ballard, and S. T. Bolmer.

Drainage of late Wisconsin glacial lakes and the morphology and Late quaternary stratigraphy of the New Jersey-southern New England continental shelf and slope. *Mar.Geol.*, 172:117-145, 2001.
Department of WHOI Author: GEOL.
Contribution Number: **10216**

Valiela, I., P. Peckol, C. D'Avanzo, J. Kremer, D. Hersh, K. Foreman, K. Lajtha, B. Seely, W. R. Geyer, T. Isaji, and R. Crawford.

Ecological effects of major storms on coastal watersheds and coastal waters. *J.Coast.Res.*, :218-238, 1998.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

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Data assimilation for coastal observing systems.

Oceanography, 13(1):47-53, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Walter, H.-J., M. M. Rutgers van der Loeff, and R. Francois.

Reliability of the $^{231}\text{Pa}/^{230}\text{Th}$ activity ratio as a tracer for bioproductivity of the ocean

In: Proxies in Paleoceanography, Gerhard Fischer, Gerold Wefer, eds. Springer, Berlin, :393-408, 1999.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Weisbrod, Anne V., Damian Shea, Michael J. Moore, and John J. Stegeman.

Bioaccumulation patterns of polychlorinated biphenyls and chlorinated pesticides in Northwest Atlantic pilot whales. *Environ.Toxicol.Chem.*, 19(3):667-677, 2000.

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Contribution Number: **NONE**

Weisbrod, Anne V., Damian Shea, Michael J. Moore, and John J. Stegeman.

Organochlorine exposure and bioaccumulation in the endangered Northwest Atlantic right whale (*Eubalaena glacialis*) population.

Environ.Toxicol.Chem., 19(3):654-666, 2000.

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Contribution Number: **NONE**

Weller, Robert, John Toole, Michael McCartney, and Nelson Hogg.

Outposts in the ocean. *Oceanus*, 42(1):20-23, 2000.

Department of WHOI Author: PO.

Contribution Number: **NONE**

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