MEMBERS OF THE OCS SCIENTIFIC COMMITTEE

CASTELLINI, Dr. Michael Angelo

Originally Appointed: December 18, 2001
Appointed Under New Charter: March 30, 2004
Reappointment: January 1, 2006
Retire: December 31, 2007

Dr. Castellini is the Director of the Institute of Marine Science, University of Alaska Fairbanks. Projects focus on many different aspects of marine mammal biology. Some of these include nutritional physiology of harbor seals and Steller sea lions in Alaska as related to their population declines and to the survival of seal and sea lion pups. Other projects include studies on lipid metabolism in marine mammals, the biochemistry of contaminants, metal chemistry, anti-oxident chemistry and immune function. These programs are both field based from the Arctic to the Antarctic and conducted in collaboration with marine laboratories throughout North America.

Originally Appointed: October 1, 1993
Reappointments: June 7, 1995, October 27, 1997
Appointed Discretionary Member: October 25, 2000
Reappointment: January 6, 2003
Appointed Under New Charter: March 30, 2004
Reappointment: January 1, 2007
Retire: December 31, 2009

James M. Coleman is a Boyd Professor for the Coastal Studies Institute and recently served as Interim Vice-Chancellor for Research and Graduate Studies at Louisiana State University. He started his professional career as a graduate student at Coastal Studies Institute, LSU, and eventually serving as director of CSI, chairman of Geology and Geophysics, head of the School of Geoscience, and interim dean of Basic Sciences before being named Executive Vice-Chancellor in 1989. He has conducted worldwide research on deltaic sedimentation, riverine processes, marine geology, shallow structure of shelf sediments, and muddy coasts. He serves on numerous local, state, and national committees and is presently a member of the Ocean Studies Board, National Research Council, and has recently been appointed to the U.S. Commission on Ocean Policy.

Originally Appointed: December 18, 2001
Appointed Under New Charter: March 30, 2004
Reappointment: January 1, 2006
Retire: December 31, 2007
Originally Appointed: October 1, 1999
Reappointed: December 18, 2001
Appointed Under New Charter: March 30, 2004

Retire: December 31, 2005

Dr. Gill is Professor of Sociology in the Social Science Research Center and Department of Sociology, Anthropology and Social Work at Mississippi State University. He has conducted research on the oil spill, Gulf of Mexico fisheries, and various environmental issues in Mississippi. His research interests include the study of technological disasters, natural resource management, and community.

Originally Appointed: January 1, 2003
Appointed Under New Charter: March 30, 2004
Reappointment: January 1, 2005; January 1, 2007
Retire: December 31, 2008
Appointed Under New Charter: March 30, 2004
Replaced Dr. Oliver Scott Goldsmith
Retire: (unless wishes to continue) December 31, 2005

Dr. Huskey is a Professor of Economics at the University of Alaska at Anchorage. He has been Department Chairman for the past 4 years and is currently serving as the acting Director of the Center for Economic Education at the university. Professor Huskey's research interests include the economics of remote regions, in particular the labor market response of people in thee regions to changing economic opportunities.

Originally Appointed: January 1, 2003
Appointed Under New Charter: March 30, 2004
Reappointment: January 1, 2005; January 1, 2007
Retire: December 31, 2008

Dr. Kosro is an Associate Professor of Oceanography at Oregon State University. His research focus is coastal physical oceanography. Since 1997, his group has employed a growing array of HF radiowave systems for time-series mapping of the surface circulation over the Oregon shelf and slope, for a region presently 400x150 km. He also makes conventional moored and shipborne measurements. Recent studies include the circulation changes off Oregon associated with the 1997-98 El Nino, the mesoscale features of the upwelling circulation, California Current and undercurrent, and spatial mapping of tidal flows.

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Dr. Livingston Marshall Jr., currently works as a Consultant and Science Advisor in the Office of the Prime Minister (OPM), Nassau, Bahamas. Prior to taking this position, Dr. Marshall held faculty positions at Morgan State University, Clark Atlanta University, and the University of Maryland Eastern Shore. His academic accomplishments include a Bachelors degree in Marine Science from Hampton University and a Ph.D. in Marine Science from the College of William and Mary, School of Marine Science, Virginia Institute of Marine Science. His 15+ years of professional research experience in marine and estuarine systems has focused on applied fisheries, habitat restoration, ecosystem monitoring, conservation, and environmental policy. As a Consultant and Science Advisor to the Prime

Minister and Government of The Bahamas, Dr. Marshall provides scientific advice on a range of marine and environmental science, research, education and policy initiatives. He also currently serves an Adjunct Associate Professor of Biology at Morgan State University in Baltimore, Maryland.

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Dr. Rex's research is centered on the ecology and evolution of deep-sea benthic communities. It includes analyses of bathymetric and global-scale patterns of biodiversity and their causes. We are using satellite imagery to examine the relationship of surface production to community structure in the deep sea at different temporal and spatial scales. Geographic variation in body size of mollusks is being explored to study adaptation to the deep-sea environment. Multivariate analyses of shell architecture and mitochondrial DNA are being employed to study patterns of population differentiation in deep-sea mollusks. Adaptive radiation and taxon cycles are being investigated by documenting patterns of taxonomic diversity. A major long-term research goal is to synthesize patterns of distribution, geographic variation, taxonomic composition and life histories to formulate a model of evolution in deep-sea invertebrates.

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Dr. Schlager is an Associate Professor in the School of Public Administration and Policy at the University of Arizona. She holds a Ph.D. in Political Science from Indiana University. Her research centers on local community management of natural resources, such as watersheds in the western United States and coastal fisheries.

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Reappointment: January 1, 2005; January 1, 2007
Retire: December 31, 2008

Dr. Scranton received a BA in Chemistry from Mount Holyoke College and a PhD. in Oceanography from the Woods Hole Oceanographic Institution. Her dissertation was on the marine geochemistry of methane. Following her dissertation work, she spent 2 years as a National Academy of Sciences/National Research Council at the Naval Research Lab in Washington, D.C., working on analytical and geochemical aspects of hydrogen gas distributions in the ocean and atmosphere. Since 1979, she has been at the Marine Sciences Research Center of Stony Brook University. In recent years she has been interested in the factors controlling the cycling of organic compounds in sediments and in the water column, primarily as a part of the CARIACO (Carbon Retention in a Colored Ocean) program, a study of carbon cycling in the Cariaco Basin, Venezuela. She also maintained her long-standing interest in methane geochemistry and is investigating the role of seeps and vents, and possibly of destabilizing gas hydrates, in controlling water-column methane concentrations near the US North-East continental shelf.

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After completing her Ph.D. at Duke University, Dr. Shapiro worked at the Woods Hole Oceanographic Institution, the Bigelow Laboratory for Ocean Sciences, and the University of Oregon. She directed the University's marine laboratory, the Oregon Institute of Marine Biology, from 1990 to 2001, and continues there as a Professor Emerita of Biology.

Dr. Shapiro's research centers on the biology of pelagic marine phytoplankton. In recent years, she has focused on the distributions and abundances of the eukaryotic ultraplankton, on incorporation of these minute cells into the microbial food web, and on the role of
associated bacteria on the nutrition of phytoplankton. She also is interested in harmful algal blooms and in the sustainable harvesting of marine macroalgae.

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Retire: December 31, 2008

Dr. Smith is group leader for environmental technology research at ExxonMobil Upstream Research Company. He holds a Ph.D. in physical chemistry from the University of California at Berkeley (1978) and a B.S. in chemistry from the University of Rochester (1972). He joined Exxon Production Research Company in 1981 and has been active in research on the environmental aspects of offshore oil and gas operations since 1990. His research interests include numerical modeling of offshore discharges, the environmental fate and effects of drilling and production discharges, and oil spill response techniques for deepwater and arctic environments. He has also chaired or served on the steering groups for many joint industry environmental studies sponsored by organizations such as the American Petroleum Institute, the Offshore Operators Committee, the International Association of Oil and Gas Producers and the Petroleum Industry Operators Environment, Health, and Safety Committee (Angola).

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Dr. Trefry is a Professor of Marine & Environmental Sciences at Florida Institute of Technology. He holds a Ph.D. in Chemical Oceanography from Texas A&M University. His research activities focus on the concentrations and cycling of trace metals in rivers, estuaries, oceans and deep-sea hydrothermal vents. Trace metals are studied for their natural value and for their potential as pollutants. Dr. Trefry's research activities are carried out in a wide variety of geographical settings including the Pacific and Atlantic Oceans, the Alaskan Arctic, the Gulf of Mexico and the Indian River Lagoon, Florida. He also

has been active in studies of environmental issues related to offshore oil exploration and production in the Gulf of Mexico, the Beaufort Sea, the Sea of Okhotsk and other locations.
Mydocs:OCSScientificCommittee:currentmembers:Bios

COLEMAN, Dr. James M.

DIAZ, Dr. Robert J.

Dr. Diaz's research interests center around understanding trophic dynamics and the functional importance of production in ecosystems, benthic boundary layer processes, and organism-habitat interactions, and how perturbations of these processes influence energy flow and population dynamics. Recently he has focused on organism-habitat interaction on the inner continental shelf to predict how sand dredging will affect fish and invertebrate communities. He is striving to estimate the relative resource value of various estuarine and marine benthic habitat types for the dual purpose of quantifying energy flow between habitats and for developing environmentally sound management strategies. This research has led him to consider a landscape ecological approach to looking within and between systems around the U.S. for how the physical and biological processes interact. In addition, he is also interested in the application of the statistical and numerical methods to biological data and in the ecology and taxonomy of estuarine and marine invertebrates with specialization in oligochaetes.

GILL, Dr. Duane A.

Exxon Valdez

HILDRETH, Dr. Richard

Dr. Hildreth is the author of three casebooks and many other publications on ocean and coastal law. He has consulted frequently with federal and state coastal management agencies in the U.S. and Australia and with Pacific Island governments on environmental legal matters. Dr. Hildreth served as the University of Queensland Law Faculty's 50th Anniversary Visiting Fellow. He has served on the National Research Council's Non-native Oysters and Coastal Ocean Committees, the Pacific Northwest Regional Marine Research Board, and the editorial advisory boards of the journals Coastal Management and Ocean Development and International Law. Dr. Hildreth practiced business law with Steinhart & Falconer in San Francisco before teaching law.

HUSKEY, Dr. Lee

KOSRO, Dr. P. Michael

MARSHALL, Dr. Livingston S., Jr.

REX, Dr. Michael A.
SCHLAGER, Dr. Edella C.

SCRANTON, Dr. Mary I.

SHAPIRO, Dr. Lynda P.

SMITH, Dr. Joseph Patrick

STEPHENSON-HAWK, Dr. Denise M.

Dr. Stephenson-Hawk is principal of a consulting group assisting organizations with the application and use of science and educational tenets for purpose of strategically influencing policy and organizational and resource allocation decisions. She has a B.S. degree in Mathematics from Spelman College; a M.S. degree in Environmental Modeling from The George Washington University; and M.A. and Ph.D. degrees in Geophysical Fluid Dynamics from Princeton University. Dr. Stephenson Hawk has served as an ocean systems analyst at AT&T Bell Laboratories, an atmospheric scientist at the National Aeronautics and Space Administration's (NASA) Langley Research Center, and as professor, chair and provost within academia. She has served as a principal investigator for research funded by the National Science Foundation (NSF), NASA, U. S. Department of Energy and the U.S. Department of Education. She has also been appointed to national committees that include the NSF's Geosciences Advisory Committee, NASA's Earth Systems Science Applications Advisory Committee, the Ocean Research Advisory Panel of the National Ocean Partnership Program and the National Oceanic and Atmospheric Administration's Science Advisory Board. She has worked with educators at the K-12 level, serving as co-chair for statewide (Georgia) workshops for K-12 teachers of mathematics and science and as co-principal investigator for an NSF-funded Urban Systemic Initiative in Atlanta, Georgia.

TREFRY, Dr. John H.

4/15/2004