

**ATTENDEES****OCS Scientific Committee Members**

Dr. Michael Castellini, University of Alaska Fairbanks  
Dr. Robert Diaz, Virginia Institute of Marine Science  
Dr. Duane Gill, Mississippi State University  
Dr. Michael P. Kosro, Oregon State University  
Dr. Edella Schlager, University of Arizona  
Dr. Mary Scranton, State University of New York  
Dr. Lynda Shapiro, University of Oregon  
Dr. Joseph Smith, ExxonMobil Upstream Research  
Dr. Denise Stephenson-Hawk, The Stephenson Group  
Dr. John Trefry, Florida Institute of Technology

**Minerals Management Service**

Dr. Tom Ahlfeld, Environmental Sciences Branch  
Ms. Carolyn Beamer, Offshore Minerals Management  
Dr. Mary Boatman, Environmental Sciences Section, Gulf of Mexico OCS Region  
Ms. Maureen Bornholdt, International Activities and Marine Minerals  
Ms. Elizabeth Burkhard, Environmental Sciences Branch  
Ms. Johnnie Burton, Director, MMS  
Dr. Joe Christopher, Gulf of Mexico OCS Region  
Mr. James Cimato, Environmental Sciences Branch  
Ms. Phyllis Clark, Environmental Sciences Branch  
Dr. Rodney Cluck, Environmental Assessment Branch  
Dr. Cleve Cowles, Environmental Studies Section, Alaska OCS Region  
Mr. Barry Drucker, International Activities and Marine Minerals  
Ms. Mary Elaine Dunaway, Environmental Sciences Section, Pacific OCS Region  
Dr. Norman Froomer, Environmental Assessment Branch  
Mr. Tim Holder, Environmental Sciences Section, Alaska OCS Region  
Mr. Warren Horowitz, Environmental Sciences Section, Alaska OCS Region  
Dr. Jack Irion, Gulf of Mexico OCS Region  
Dr. Walter Johnson, Environmental Sciences Branch  
Dr. Jim Kendall, Environmental Sciences Branch  
Mr. Robert LaBelle, Offshore Minerals Management  
Dr. Ron Lai, Environmental Sciences Branch  
Dr. Harry Luton, Environmental Sciences Section, Gulf of Mexico OCS Region  
Dr. Fred Piltz, Environmental Sciences Section, Pacific OCS Region  
Dr. Pat Roscigno, Environmental Sciences Section, Gulf of Mexico OCS Region  
Ms. Celeste Rueffert, Procurement Division  
Dr. Melanie Stright, Environmental Assessment Branch  
Mr. Paul Stang, Leasing and Environment, Alaska OCS Region  
Ms. Barbara Wallace, Environmental Sciences Division  
Mr. Will Waske, International Activities and Marine Minerals

Ms. Kate Wedemeyer, Environmental Sciences Section, Alaska OCS Region  
Mr. Dee Williams, Environmental Sciences Section, Alaska OCS Region  
Ms. Lynette Vesco, Environmental Sciences Section, Pacific OCS Region

### **Invitees**

Dr. Daphne Fautin, Professor, Ecology and Evolutionary Biology, University of Kansas  
Dr. William W. Schroeder, Member, Deepwater and Professor and Coordinator, Marine Science  
Program, University of Alabama, Dauphin Sea Lab  
Mr. Berry (Nick) Tew, Chair, OCS Policy Committee and Chair and State Geologist and Oil and  
Gas Supervisor, Geological Survey of Alabama

## **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-oxidant 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.

### **COLEMAN, Dr. James M.**

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 US Commission on Ocean Policy.

## **DIAZ, Dr. Robert J.**

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

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 US 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.**

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 *Exxon Valdez* 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.

## **HILDRETH, Dr. Richard**

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

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 US 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**

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 these regions to changing economic opportunities.

## **KOSRO, Dr. P. Michael**

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.

## **MARSHALL, Dr. Livingston S., Jr.**

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

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.

### **REX, Dr. Michael A.**

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

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.

### **SCHLAGER, Dr. Edella C.**

Originally Appointed:	October 1, 1999
Reappointed:	December 18, 2001
Appointed Under New Charter:	March 30, 2004
Retire:	December 31, 2005

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.

### **SCRANTON, Dr. Mary I.**

Originally Appointed:	January 1, 2003
Appointed Under New Charter:	March 30, 2004
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.

### **SHAPIRO, Dr. Lynda P.**

Originally Appointed:	October 1, 1999
Reappointed:	December 18, 2001
Appointed Under New Charter:	March 30, 2004
Retire:	December 31, 2005

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.

### **SMITH, Dr. Joseph Patrick**

Originally Appointed:	January 1, 2003
Appointed Under New Charter:	March 30, 2004
Reappointment:	January 1, 2005; January 1, 2007
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).

## **STEPHENSON-HAWK, Dr. Denise M.**

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

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 US 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.**

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

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.

**MINERALS MANAGEMENT SERVICE (MMS)**  
**Personnel Who Interact with**  
**the OCS Scientific Committee**  
**April 27-29, 2005**

**BURTON, REJANE “JOHNNIE”**

Ms. Burton's appointment as Director, Minerals Management Service, was became effective on March 15, 2002. Ms. Burton's background provides a solid mix of experience in state government, the oil and gas industry, and education. Since 1995, she served on the governor of Wyoming's cabinet as director of the Department of Revenue. Before that, she served (1989-92) as vice-president of TCF Inc., an oil and gas exploration company based in Casper, Wyoming. Prior to that, she was vice president of Dwights Energydata Inc., an information company specializing in oil and gas databases. Ms. Burton was also president and founder of Hotline Energy Reports Inc., which later merged with Dwights Energydata Inc. Under her leadership, Hotline Energy Reports Inc. built a historical database of all wells drilled for oil and gas in the 11 Rocky Mountain States. Ms. Burton began her career in the oil and gas industry as an oil scout in Casper, Wyoming, for Rinehart Oil News of San Antonio, Texas. From 1982 through 1988, Ms. Burton was a member of the Wyoming State House of Representatives. She served as a member of the Wyoming State Advisory Council of Education Grants (1986-88), and also as director of the First Wyoming Bank in Casper from 1981 through 1984. She served as a member of the Independent Petroleum Association of Mountain States Speaker's Bureau from 1977 through 1979. Her career highlights also include positions as a lecturer and teacher of French at the university and high school levels and as a translator and interpreter for the J. F. Pritchard Company in Paris, France, and Kansas City, Kansas. In 1987, she was honored as a "Friend of Education" by the Wyoming School Boards Association. Ms. Burton is a member of the National Order of Women Legislators and the American Association of Translators. She is also a member of the National Alcohol Beverage Control Association and served as its president, representing Wyoming from 2000 to 2001. Born in French Algeria, Ms. Burton immigrated to the United States in 1963 and became an American citizen in 1968. In 1958, she completed the Baccalaureat de l'Enseignement Secondaire (option Philosophie) from the Lycee Fromentin in Algiers, Algeria. She completed the Licence-es-Lettres, English, Diplome d'Enseignement from the Universities of Algiers in Algeria and in Paris, France, in 1962. She holds a master's degree (1974) from the University of Wyoming. She studied at the University of Arkansas and has completed management training by The Presidents Association and Duke University.

## **READINGER, THOMAS**

Mr. Readinger is the Associate Director of the Offshore Minerals Management Program. He was appointed to this post in January 2002. He is responsible for managing the MMS Offshore program to (1) help meet the nation's energy needs, (2) protect the ocean environment, and (3) ensure the receipt of fair market value for resources leased. Prior to this new appointment, Mr. Readinger was the Deputy Associate Director of OMM. In that capacity, he also served as the chairman of the OMM Information Management Committee and led the OMM effort to develop the new e-Government Transformation proposal to increase the efficient and effective delivery of services to agency stakeholders. Mr. Readinger has been involved with the OCS program for 28 years. He joined the Federal Government in 1976 as an economist with the Bureau of Land Management where he was responsible for developing bidding systems and bid adequacy procedures to ensure fair market value for OCS resources. From 1987 to 1997, he served as Program Director for the Office of OCS Program Development and Coordination, where he developed and implemented the OCS 5-year Oil and Gas Leasing Program for MMS. In 1995, Mr. Readinger was awarded the Department of the Interior's Meritorious Service Award for career-long contributions to the development of procedures to ensure fair market value for public resources. Since being promoted to the Senior Executive Service in 1987, he has received numerous performance awards for contributions to program management and information technology advancements. Mr. Readinger received a B.S. degree in Business Management from the Indiana University of Pennsylvania in 1972, and an M.A. degree in Economics from American University in 1974. He received his Senior Executive Certification in Public Administration from George Washington University in 1987.

## **LABELLE, ROBERT P.**

Mr. LaBelle, as the Deputy Associate Director for Offshore Minerals Management, serves as Chief Operating Officer for the management of all facets of the Offshore Program, including policy development, policy implementation, and program planning. He is responsible for directing the implementation of Offshore's Strategic Plan and serves as Executive Secretary for the Offshore Steering Committee, as well as Chairman of the Offshore Information Management Committee.

Previously, as Chief of the MMS Environmental Division, Mr. LaBelle was responsible for offshore oil and gas industry compliance with all environmental requirements, including water and air quality, endangered species, oil spill risk analysis, and archaeology, in all US Federal waters. He oversaw a large environmental research program and the preparation of Environmental Impact Assessments and other decision documents used for both offshore energy and mining activities.

In prior positions, Mr. LaBelle was Chief of the MMS Technology Assessment and Research Branch, where he led research on engineering and technical aspects of offshore production and development. Previous positions at MMS and USGS include Chief of the Environmental Operations and Analysis Branch, and Chief of the Branch of Environmental Modeling. Prior to joining Interior, Mr. LaBelle worked for Martin Marietta Corp. as an environmental analyst on

the siting of electrical power plants and on assessing the effects of nuclear power stations on aquatic species. Mr. LaBelle is a graduate of the University of Massachusetts (BS), the University of Maryland (MS), and Loyola College (MBA).

## **CIMATO, JIM**

Mr. Cimato is a senior staff analyst in the Environmental Sciences Branch. He is responsible for developing MMS-wide policies and procedures governing the formulation and implementation of the Environmental Studies Program. As an Oceanographer within the branch, Mr. Cimato coordinates many of the fates and effects studies within MMS and the Coastal Marine Institute program. Mr. Cimato worked in the private sector in oil pollution prevention research before joining the Offshore Program in 1975.

## **COWLES, CLEVE**

Dr. Cowles is Chief, Environmental Studies Section, Alaska OCS Region. His responsibilities include managing a multi-disciplinary staff to implement the Alaska environmental studies portion of the MMS ESP. Dr. Cowles has been with the Alaska OCS Region since 1979, serving as Chief of the Environmental Studies Unit from 1983-1995, and as Acting Chief of the Social and Economic Studies Unit from 1992-1995.

## **DRUCKER, BARRY S.**

Mr. Drucker is a Physical Scientist, Office of International Activities and Marine Minerals. He is responsible for formulating and recommending environmental studies in support of the MMS marine minerals program and for negotiating leases for the use of Federal sand for beach and coastal restoration efforts. He develops statements of work for funded studies and oversees projects as MMS Contracting Officer's Technical Representative, as well as working with various Federal, State, and local entities in the development of negotiated sand leases, environmental stipulations, and NEPA documents.

## **FROOMER, NORMAN**

Dr. Froomer has been with MMS in both the New Orleans Gulf of Mexico and the Herndon, Virginia Headquarters offices. He has worked on coordinating and overseeing the development of Geographic Information System databases and applications to support offshore oil and gas permitting, environmental assessment, leasing and regulatory analyses. Previous to MMS, Dr. Froomer was on the Geography faculty at the University of New Orleans

## **GOLL, JOHN**

Mr. Goll is the Regional Director of the MMS Alaska Outer Continental Shelf Office, since May 1997. He is responsible for oil and gas and other mineral leasing and oversight of industry activities on the outer continental shelf off Alaska. This ranges from assessments of the oil and gas resources, preparation of environmental analyses and research, coordinating with local, state, tribal, and federal governments, and others interested in the OCS program, and assuring that exploration and development on the federal OCS is done safely and in the best interest of the United States. Prior to becoming Regional Director, Mr. Goll headed the MMS's national environmental office and was responsible for the agency's nationwide environmental program, including NEPA and research. He was closely involved with the National Research Council and GAO committees which reviewed MMS's environmental studies program, and represented MMS on the Council's Ocean Studies Board project on improving the use of science in decision making for coastal issues. He has participated in training missions with Russian environmental regulators in northwest Siberia and on Sakhalin Island. He also worked as a meteorologist with the US Geological Survey and the US Nuclear Regulatory Commission, working on air quality modeling and assessments. Mr. Goll holds a Bachelors Degree in Meteorology and Oceanography and a Masters Degree in air pollution meteorology, both from the University of Michigan.

## **IRION, JACK B.**

Dr. Irion is Supervisor of the Social Science Unit in the Office of Leasing and Environment in the Gulf of Mexico Region. He has over 30 years experience in underwater archaeology and has participated in or directed archaeological expeditions in England, Mexico, Belize, Turkey, Italy, Puerto Rico, and throughout the United States. Prior to joining the MMS in 1995, Dr. Irion served as a private consulting marine archaeologist working under contract to both private industry and state and federal agencies. His work has resulted in the discovery and documentation of numerous historic sites and shipwrecks. Since joining the MMS, Dr. Irion has directed the Seafloor Monitoring Team, comprised of a group of diver/scientists with the MMS, in the documentation of several historic shipwrecks on the Outer Continental Shelf. These have included the Civil War gunboat U.S.S. *Hatteras* and the 19<sup>th</sup> century coastal steamers *New York* and *Josephine*, the latter of which was added to the National Register of Historic Places in 2000. He is currently serving as COTR for the World War II "Deep Wrecks Project."

## **KENDALL, JAMES J.**

Dr. James J. Kendall coordinates the Environmental Studies Program (ESP) of the US Department of the Interior's Minerals Management Service (MMS) and serves as Executive Secretary to the OCS Scientific Committee. The MMS ESP is tasked with providing the environmental and socioeconomic information necessary for MMS to make informed decisions concerning offshore oil and gas and marine minerals activities. Prior to joining the MMS Headquarters Office, Dr. Kendall served as the ESP Studies Chief for the MMS Gulf of Mexico

OCS Regional Office in New Orleans, Louisiana. He received his bachelor's degree in biology from Old Dominion University and his Ph.D. in oceanography from Texas A&M University. Dr. Kendall has conducted marine research in the Gulf of Mexico, Caribbean, and Red Sea.

## **PILTZ, FRED M.**

Dr. Piltz is the Senior Environmental Scientist, Pacific OCS Region. He is responsible for the planning, implementation, and management of the environmental studies for the Pacific OCS Region. Prior to his current position, he worked in applied environmental impact assessment research as both a taxonomic consultant and field scientist in Southern California and in the Straits of Magellan, Chile. His research experience includes laboratory work on the effects of heavy metals on marine organisms, effects of oil spills on intertidal invertebrates, and effects of municipal sewage outfalls on benthic invertebrate communities.

## **STANG, PAUL**

Mr. Stang has been MMS's Alaska OCS Regional Supervisor for Leasing and Environment since July 1997. He oversees the region's leasing, environmental studies, and environmental assessment activities. Previously, he managed branches in MMS Headquarters with responsibilities for lease sales, development of MMS's 5-year leasing program, and long term planning. From 1977-1984, before coming to MMS, Mr. Stang handled a variety of offshore oil and gas and coastal zone management issues for the Department of the Interior's Office of Policy Analysis. Prior to that, he headed projects on coastal zone management, interdisciplinary ocean research, and undersea science and technology development for the National Oceanographic and Atmospheric Agency and deep ocean technology development for the Navy's Deep Submergence Systems Program.

## **STRIGHT, MELANIE**

Dr. Stright is the MMS Federal Preservation Officer. She is responsible for MMS's compliance with the requirements of the National Historic Preservation Act and other Federal historic preservation laws and regulations. Dr. Stright has been with the Offshore Program since 1978, and has worked in both the Gulf of Mexico and Pacific Regions. Her primary focus as an archaeologist has been on developing methods and techniques for locating and evaluating submerged prehistoric archaeological sites on the OCS.

## **VENESCO, LYNNETTE L.**

Ms. Vesco is the Acting Regional Supervisor, Office of Environmental Evaluation, Pacific OCS Region. She is responsible for managing all aspects of the Environmental Evaluation Program for the MMS Pacific OCS Region, which includes preparing environmental reviews and analyses for the OCS oil and gas activities, ensuring compliance with environmental conditions of project approval, planning and managing the environmental studies program, and communicating with affected customers. She is also responsible for certain lease management functions such as lease adjudication and company financial responsibility. Lynnette has an M.A. in marine biology, and conducted research in rocky intertidal communities for many years.

## **WASKES, WILLIAM**

Mr. Waskes is an Oceanographer in the Leasing Division, Sand and Gravel Section. He is responsible for supporting the division's Environmental Coordinator in formulating and recommending biological studies in support of negotiating leases for the use of Federal sand for beach and coastal restoration efforts. He oversees consultations with NOAA Fisheries and Fish and Wildlife Service on essential fish habitat and threatened and endangered species. He assists in the development of NEPA documents and environmental stipulations for negotiated sand leases.

## **INVITED SPEAKERS**

### **DAPHNE FAUTIN**

Dr. Fautin is a Professor, Ecology and Evolutionary Biology and is Curator, Natural History Museum and Biodiversity Research Center Haworth Hall University of Kansas. She is an invertebrate zoologist and does research centered on sea anemones. Because one of her major interests is symbiosis, she has worked also on a variety of organisms that live with sea anemones, including fishes, crustaceans, and algae. Her doctoral research was on sea anemone reproduction and this is being continued with current research being on reproductive periodicity of an abyssal species. She is also interested in general natural history, particularly with regard to habitat specificity. Her post-doctoral research was in pharmacognosy in which she extracted biologically active compounds from sea anemones for possible development as new pharmaceuticals. She is currently active in professional organizations, currently serving on the International Steering Committee of the Ocean Biogeographic Information System, serving on the US National Committee for the International Union of Biological Sciences, and chairing the US

National Committee for the Census of Marine Life. She has served on the editorial board of several scientific publications and teaches a course on scientific communication.

## **WILLIAM W. SCHROEDER**

Dr. Schroeder has been involved in interdisciplinary oceanographic investigations for over 40 years and has conducted research along the coast, on the continental margins and in the deep water of the northern Gulf of Mexico for the past 36 years. In addition, he has participated in international research endeavors in the Bahamas, Caribbean, Gulf of Papua, Azov Sea, Australia and South Africa. He has authored and coauthored over 125 scientific publications. Currently his research activities include: 1) coupled biological-geological-physical studies of deep-water corals in the Gulf of Mexico; 2) an integrated study of physical and biological processes along the west coast of Australia; 3) validation of distributed marine-environment forecast systems; 4) Late Quaternary sea level and paleoceanography investigations of hardbottom sites in the northern Gulf of Mexico; and 5) model validation of the coupled katabatic wind, coastal ocean and ice systems in Antarctica.

## **BERRY (NICK) TEW**

Berry H. (Nick) Tew, Jr. is Alabama's State Geologist and Oil and Gas Supervisor. In these capacities, he serves as Director of the Geological Survey of Alabama and the State Oil and Gas Board of Alabama. He also holds an appointment as an adjunct professor in the Department of Geological Sciences at the University of Alabama. Nick has earned Bachelor's, Master's, and Ph.D. degrees in geology. Nick has extensive experience in various aspects of the geology of the eastern Gulf Coastal Plain of North America. His research background includes petroleum geology, stratigraphy, sequence stratigraphy, sedimentology, and paleogeography of the surface and subsurface Mesozoic and Cenozoic strata of this area. Nick's research has led to the publication of numerous authored and coauthored reports, journal articles, guidebooks, and abstracts. Nick currently serves as Chairman of the Minerals Management Service Outer Continental Shelf (OCS) Policy Committee and Treasurer of the Association of American State Geologists. He is Alabama's official representative to the Interstate Oil and Gas Compact Commission, a member of the Alabama Board of Licensure for Professional Geologists, a Commissioner on the North American Commission on Stratigraphic Nomenclature, and a member of the Board of Directors of the National States Geographic Information Council.