

**RETIREED MEN'S ASSOCIATION OF GREENWICH, Inc. (RMA)  
invites you to attend its meeting, on Wednesday, Jan. 29, 2014.  
First Presbyterian Church, Lafayette Pl., Greenwich, CT.**

**DR. SEAN HIGGINS**

**SHIPS, SCIENTISTS AND THE SEA: EXPLORING EARTH'S LAST  
FRONTIER**



The Lamont-Doherty Earth Observatory is a research unit of Columbia University, located 18 miles north of Manhattan on the Hudson River. LDEO seeks fundamental knowledge about the origin, evolution, and future of our planet. The ocean is the defining feature of our planet and is the last and largest unexplored place on earth. For more than 60 years, LDEO scientists have pioneered studies of the world's oceans. Dr.

Sean Higgins, Senior Research Fellow at LDEO, and Director of LDEO's Office of Marine Operations, will guide us on a voyage of exploration alongside LDEO scientists as they travel millions of miles in pursuit of new knowledge about our planet through its rich seagoing history, to learn how scientists conduct research at sea and about the exciting discoveries they have made.

LDEO's research vessel, the *Marcus G. Langseth* serves as the national seismic research facility for the United States academic community. Its unique capability allows it to provide both 2D and 3D maps of the earth's structure-- the earth's seafloor and what lies below. Expeditions have collected sediment cores for understanding climate variations throughout the earth's history, sampled seawater for determining physical and chemical properties of the oceans, studied the movement of plate tectonics and continental drift, and deployed remotely operating vehicles for studying submarine volcanoes.

Dr. Higgins received his Ph.D. from Columbia. His original research interest in the history of glaciers (Himalayas, Antarctica, and midwestern United States) evolved to studying records of the earth's history recovered from sediments in the deep sea. He worked for LDEO's Integrated Ocean Drilling Program as a scientist and Associate Director of the US Drilling Program from 2007-2010. He returned to LDEO in 2010 to take over managing operations of the *Langseth*.

**Our business meetings begin at 10, and our speakers are scheduled for 10:30. No Charge and No Reservations are required. For additional information, call Bernard Schneider, 203-698-2558; bgsesq@gmail.com. More information about the RMA and its speakers can be found on our web site, greenwichrma.org.**