

Bock Memorial Lecture Series

The Bock Memorial Lecture Series was established at the United States Naval Academy in March 1993 in honor of the late Professor Emeritus Arthur E. Bock. Professor Bock was born in Dubuque, Iowa, on September 30, 1916. He was a graduate of Kansas State University where he earned a Bachelor of Science degree in mechanical engineering. Later he received a Master's degree in engineering from Virginia Polytechnic Institute where he was a faculty member from 1940-1944.

Professor Bock served as a naval officer from 1944-1946, during which time he was an engineering instructor at the Naval Academy. He became a civilian faculty member in the Academy's Marine Engineering Department in 1946, eventually attaining the rank of full professor. While at the Academy, Professor Bock served as chairman of the Naval Engineering Department, as a senior professor of engineering, and was a member of many boards and committees.

A leading authority in the field of marine engineering, Professor Bock was coauthor of the book, *Elements of Applied Thermodynamics*, which has five editions and was used by midshipmen for more than 40 years. For his contribution to the Academy, he was named Professor Emeritus by the Secretary of the Navy upon his retirement in 1981. Professor Bock passed away on February 25, 1989.

The purpose of this series is to support and enhance academic excellence in the Department of Naval Architecture and Ocean Engineering by inviting world-renowned personalities who have made substantial contributions to the disciplines.

The Bock Memorial Lecture Series is funded by the Arthur Bock Endowment established in September 1991 from a gift by the estate of the late Professor Arthur Bock. Funds generated from this endowment are intended to support and enhance academic excellence in the Department of Naval Architecture and Ocean Engineering.

Previous Bock Lecturers

Spring 2014

Brig. Gen. Kent D. Savre
CG, USACE North Atlantic

Fall 2013

Mr. R. Keith Michel
President, Webb Institute

Spring 2013

Mr. William Levis
President and COO, PSEG Power

Fall 2012

RADM Matthew Klunder, USN

Spring 2012

Mr. Mark D. Gordon
Odyssey Marine Exploration

Fall 2011

CAPT David A. Roberts, USN
CO, Submarine School

Spring 2011

Dr. Robert G. Dean
*Emeritus Professor of Coastal and Oceanographic Engineering
University of Florida*

Fall 2010

Dr. William H. Moore
*American Steamship Owners Mutual
Protection and Indemnity Association*

Spring 2010

RDML David C. Johnson, USN

Fall 2009

David W. Jourdan
President, Nauticos

Spring 2009

Dr. Sylvia Earle
National Geographic Society

Fall 2008

Mike Petters
Northrop Grumman Shipbuilding

Spring 2008

CAPT James R. Wilkins, III, USN (Ret.)

Fall 2007

ADM Robert E. Kramek, USCG (Ret.)

Spring 2007

Mr. Gordon Sterling
Shell Oil Company

Fall 2006

Mr. Howard Fireman
NAVSEA

Spring 2006

Dr. John Spencer
National Transportation Safety Board

Fall 2005

Dr. Larry Mayer
University of New Hampshire

Spring 2005

Mr. William W. Rogalski, Jr.
Northrop Grumman Ship Systems

Spring 2004

RADM Malcolm MacKinnon III,
USN (Ret.)

Spring 2003

Dr. Henry Petroski
Duke University

Fall 2002

Dr. Joseph MacInnis
Undersea Research, LTD.

Spring 2002

RADM John Mooney, Jr., USN (Ret.)

Spring 2001

Professor Robert Bea
University of California, Berkeley

Fall 2000

Mr. Clay Oliver
Team New Zealand's America's Cup

Spring 2000

Dr. Dana R. Yoerger
Woods Hole Oceanographic Institute

Fall 1999

Dr. Jacque B. Hadler
Webb Institute

Spring 1999

Mr. Orville T. Magoon
Coastal Zone Foundation

Fall 1998

Mr. Orrin Pilkey
Duke University

Spring 1998

Mr. Ben Gerwick
Ben C. Gerwick, Inc.

Fall 1997

Dr. Donald Blount
Donald L. Blount & Associates, Inc.

Spring 1997

Dr. William B. Morgan
David Taylor Research Center

Fall 1996

CAPT Raymond S. McCord, USN

Spring 1996

Mr. William Garzke, Jr.
Gibbs & Cox, Inc.

Fall 1995

ADM James D. Watkins, USN (Ret.)

Spring 1995

CAPT Harry A. Jackson, USN (Ret.)

Fall 1994

Dr. Donald Walsh
International Maritime Incorporated

FALL 2014

BOCK MEMORIAL LECTURE SERIES



UNITED STATES NAVAL ACADEMY

Balance in Naval Ship Design and Life

Presented by

Clark 'Corky' Graham, PhD
CEO, LET'S GO BOYS & GIRLS
CAPT, USN (Ret.) – USNA '64

Tuesday, September 30, 2014

12:30 p.m.

Mahan Hall Auditorium

Dr. Clark ‘Corky’ Graham, CAPT, USN (Ret.)

Dr. Graham is the Founder and CEO of the nonprofit LET’S GO Boys and Girls Inc. LET’S GO stands for Leadership, Engineering, Technology, Science Generating Opportunities and is a program that is inspiring and supporting underserved students to become professional scientists and engineers. Dr. Graham retired from Northrop Grumman in July 2008 as a Senior Vice President in the shipbuilding sector. Positions at Northrop Grumman included Technical Director of the Zumwalt Destroyer program and Senior Vice President in charge of Northrop Grumman’s Gulf Coast shipbuilding operations with over 10,000 employees.

Dr. Graham joined Northrop Grumman Ship Systems from a former Litton Division, Litton Marine Systems, where he served as President. He served the prior two years as the Vice President and Managing Director of Litton Marine Systems, BV, headquartered in New Malden, Surrey, United Kingdom. He joined Litton Marine Systems (formerly Sperry Marine Inc.) in July 1994 as a Senior Program Manager. Shortly thereafter, he was appointed to the position of Vice President of Engineering.

Prior to joining Litton, Dr. Graham completed a 30-year career with the U.S. Navy after graduation from the United States Naval Academy in 1964, attaining the rank of Captain. His naval career included assignments as Director of Research and Development for Naval Sea Systems Command in 1991, Commander of the David Taylor Research Center in 1987, and an appointment as Professor of Naval Construction and Engineering at the Massachusetts Institute of Technology (MIT) in 1984. Earlier assignments in the U.S. Navy included Nuclear Cruiser Project Officer, and Ship Design Manager and Technical Director of the Arleigh Burke class destroyer. He received a Ph.D. in Mechanical Engineering from MIT in 1969 and a BS in Mechanical Engineering from the US Naval Academy. Dr. Graham has the distinction of being the only individual to receive both the David Taylor Gold Medal from the Society of Naval Architects and Marine Engineers (SNAME) and the Gold Medal from the American Society of Naval Engineers (ASNE).

PROGRAM

INTRODUCTION

Professor David L. Kriebel
*Chair, Department of
Naval Architecture and Ocean Engineering
United States Naval Academy*

ADDRESS

Balance in Naval Ship Design and Life

Clark ‘Corky’ Graham, PhD

***CEO, LET’S GO BOYS & GIRLS
CAPT, USN (Ret.) – USNA ‘64***

