



**UNITED STATES NAVAL WAR COLLEGE
NEWPORT, RHODE ISLAND**

TUESDAY, JUNE 7 (Civilian–business attire/Military–summer white or service equivalent)

6:30 a.m. Guest Registration – Continental Breakfast available in Spruance Lobby

8:00 Administrative Announcements

8:05 Welcome and Introduction

Rear Admiral John N. Christenson, U.S. Navy, President, U.S. Naval War College

8:10 Keynote Address

Amory B. Lovins, Rocky Mountain Institute

9:10 Break

9:30 Panel 1: **Energy and International Security**

As both an important consumer of energy and guarantor of secure international commerce, our nation plays a significant role in the global demand for energy. Countries with large oil reserves include nations in unstable regions of the world, as well as nations disinclined to support free trade, open markets, or the rule of law. Rising demands on the world energy supply from global competitors and developing powers are certain to add considerably to these pressures. This panel will explore the geostrategic environment that will shape international behavior, seek to understand the implications for United States foreign policy and help define the role for the Department of Defense and the Navy in preparing for a future in a world of scarce resources.

Sarah A. Emerson, President, Energy Security Analysis, Inc.

David S. Painter, Georgetown University

Catherine M. Kelleher, University of Maryland

Moderator: Peter Dombrowski, U.S. Naval War College

11:00 Keynote Address

Lieutenant General George J. Flynn, U.S. Marine Corps

Commanding General, Marine Corps Combat Development Command

12:00 p.m. Lunch

Commissioned Officers' Club

1:30 Keynote Address

Admiral Gary Roughead, U.S. Navy, Chief of Naval Operations

2:30 Break

2:45 Panel 2: **Sovereignty, Energy, and the Global Commons**

A prominent theme of the Maritime Strategy is that expansion of the global economic system may encourage nations to exert wider claims of sovereignty over greater expanses of ocean – potentially resulting in conflict. This fact is well appreciated by the world's major economic powers, leading to continuing competition over potential future sources of natural resources. The political upheavals in the Middle East may well lead to increased political and strategic challenges to American and international efforts to secure access to energy and other resources from sovereign states in the region. And the recent Gulf of Mexico oil spill vividly illustrates another challenge to the global system, namely the extent of national

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responsibility for the environmental consequences of resource exploitation. This panel will seek to illuminate the continuing, and potentially conflict-generating, issues related to access to natural resources, in particular undersea resources, which straddle the ill-defined border between sovereign possessions and the global commons.

Geoffrey Kemp, The Center for the National Interest

Peter Dutton, U.S. Naval War College

Meredith Miller, The National Bureau of Asian Research

Moderator: John H. Maurer, U.S. Naval War College

6:30 Secretary of the Navy Reception
Commissioned Officers' Club

WEDNESDAY, JUNE 8 (Civilian–business attire/Military–summer white or service equivalent)

6:30 a.m. Continental Breakfast available in Spruance Lobby

8:00 Move to seminar locations

8:10 Seminars

10:00 Return to Spruance Lobby for refreshments

10:30 Keynote Address
The Honorable Raymond “Ray” Mabus, Secretary of the Navy

11:30 Lunch
Commissioned Officers' Club

1:00 p.m. Keynote Address
Stephen M. Walt, Harvard University

2:00 Panel 3: **Seapower, Energy, and Adapting to Future Constraints**

Forward postured naval forces' need for fuel creates a long and vulnerable logistics tail, the protection of which necessarily draws forces from the fight. Exacerbating this concern are fiscal pressures on the United States defense budget, which, combined with the increasing costs associated with fossil fuels, will spur demand for improvements in energy efficiency for the American military. Increasing the Navy's operational energy efficiency will be essential for maintaining forward presence and power projection capabilities. Recent developments, such as Small Modular Reactors (SMR) and advances in renewable energy resources, offer potential avenues for reducing the Navy's energy demands. This panel will explore the future of operational energy efficiency, and the cultural and behavioral changes within the U.S. Navy that can help address this concern.

Vice Admiral William R. Burke, U.S. Navy

Deputy Chief of Naval Operations for Fleet Readiness and Logistics (N4)

Jonathan S. Wolfson, CEO Solazyme

Jackalyne Pfannenstiel

Assistant Secretary of the Navy (Energy, Installations and Environment)

Moderator: Nikolas K. Gvosdev, U.S. Naval War College

3:30 Closing Remarks

3:45 Adjourn