

CANADIAN NAVAL REVIEW

VOLUME 12, NUMBER 2 (2016)

Editorial Board

Dr. Brian Bow, Vice-Admiral (Ret'd) Gary Garnett, Ken Hansen, Peter T. Haydon, Dr. Rob Huebert, Dr. Danford W. Middlemiss, Dr. Marc Milner, Rear-Admiral (Ret'd) David Morse, Colonel (Ret'd) John Orr, Hugh Segal, Dr. Denis Stairs, Michael Young

Editor: Dr. Ann L. Griffiths

Assistant Editor: Douglas S. Thomas

Photo Editor: Dr. Danford W. Middlemiss

Subscriptions/Administration: Mary Okwese

Graphic Design: Kim Squared Inc.

Printing: Transcontinental Printing

The editorial offices of *CNR* are located at the Centre for Foreign Policy Studies, Hicks Building, Dalhousie University. The mailing address is 1699 South Street, PO Box 15000, Halifax, NS, B3H 4R2.

Phone: (902) 494-3769

Fax: (902) 494-3825

Email: naval.review@dal.ca

Website: www.navalreview.ca

Canadian Naval Review is published by the Centre for Foreign Policy Studies (CFPS) at Dalhousie University. It is a professional journal examining a wide range of maritime security issues from a Canadian perspective. In particular it focuses on strategic concepts, policies, operations, history and procurement of the Canadian Navy, plus national security in general and marine/ocean affairs. This initiative brings together members of the Canadian defence and academic communities and is a component of the Centre's Maritime Security Program.

Canadian Naval Review has three primary objectives:

- provide a public forum for the discussion of the maritime dimension of Canada's national security;
- provide a public forum for the discussion of Canada's naval and maritime policies; and
- provide a source for the public examination of Canadian naval and maritime history and for the development of lessons learned.

The material included in *CNR* is presented for the professional and general education of the readers. Articles, commentaries and opinion pieces are invited from the widest possible spectrum for the purpose of informing, stimulating debate and generally challenging readers. The opinions expressed by the authors do not necessarily reflect the opinions of the Editor, Editorial Board, the Centre for Foreign Policy Studies, the Department of National Defence, or the Canadian Navy.

Articles, opinion pieces, book reviews and letters may be submitted via email or mailed (with an electronic copy) to the address given above. Send to the attention of the Editor, Dr. Ann Griffiths. Articles are to be in Word or WordPerfect format and no longer than 3,000 words. Articles must not have been published elsewhere. Citations should be kept to a minimum and articles must be accompanied by a 100-120 word abstract. Opinion pieces are to be 1,000-1,500 words. Authors of articles and opinion pieces which are published will be paid a small honorarium. Book reviews are to be 500-750 words. Photos may be submitted with articles or commentaries but they must be at least 300 dpi, at an equivalent size to 5 by 7 inches, and internet images cannot be used. Intellectual copyright will remain the property of the author, however, the right to re-publish articles initially published in *Canadian Naval Review* remains with the Editorial Board. Articles and commentaries written in French are welcome and, if accepted, will be published in French.

Copyright © 2016. ISSN 1715-0213 *Canadian Naval Review*

Credit: U.S. Navy



The future guided-missile destroyer USS *Zumwalt* (DDG 1000) transits the Atlantic Ocean to conduct acceptance trials with the US Navy's Board of Inspection and Survey, 21 April 2016.

Contents

EDITORIAL: WHATEVER HAPPENED TO PIRACY? ANN GRIFFITHS	2
WINNER OF 2016 CNMT ESSAY COMPETITION: CHINA AS AN EMERGING ARCTIC PLAYER ADAM P. MACDONALD	4
KEPT AT BAY IN VANCOUVER BAY DANIEL J. DEMERS	10
READINESS? AYE, READY! IN CONVERSATION WITH REAR-ADMIRAL JOHN NEWTON ANDREA LANE	15
TAKING THE LONG VIEW OF THE SHIPBUILDING PROGRAMS KEN HANSEN	18
THE 'ROLLS-ROYCE DESTROYERS': CANADA'S FIRST MADE-TO-ORDER WARSHIPS S.D. CAMPBELL	23
MAKING WAVES MAYBE, JUST MAYBE, THEY'RE SERIOUS CAL MOFFORD	28
ENERGY USE AND CONSERVATION IN THE MARINE SECTOR PETER HAYDON	30
CANADIAN WREN RECALLS ATTACHMENT TO BLETCHLEY PARK DREW TAPLEY	33
DOLLARS AND SENSE: THE NAVY ACTUALLY IS A LIBERAL PRIORITY! DAVE PERRY	35
A VIEW FROM THE WEST: CHINA, JAPAN AND SOUTH KOREA LOOK NORTH DIANA EDWARDS	37
WARSHIP DEVELOPMENTS: SUBMARINES GREAT AND SMALL DOUG THOMAS	39
BOOK REVIEWS	41