# Inside Issue 49, 2<sup>d</sup> Quarter 2008

Editor Col David H. Gurney, USMC (Ret.) gurneyd@ndu.edu Executive Editor Jeffrey D. Smotherman, Ph.D. Managing Editor, NDU Press LTC Robert E. Henstrand, USA Supervisory Editor George C. Maerz Production Supervisor Martin J. Peters, Jr. Senior Copy Editor Calvin B. Kelley **Book Review Editor Lisa M. Yambrick** Associate Editor CDR Margaret Kerr-McKown, USN Design Rebecca J. White, Chris Dunham, and Jamie Harvey **U.S. Government Printing Office** Printed in St. Louis, Missouri by UNIVERSAL

NDU Press is the National Defense University's cross-component, professional military and academic publishing house. It publishes books, policy briefs, occasional papers, monographs, and special reports on national security strategy, defense policy, national military strategy, regional security affairs, and global strategic problems. NDU Press is part of the Institute for National Strategic Studies, a policy research and strategic gaming organization.

This is the authoritative, official U.S. Department of Defense edition of *JFQ*. Any copyrighted portions of this journal may not be reproduced or extracted without permission of the copyright proprietors. *Joint Force Quarterly* should be acknowledged whenever material is quoted from or based on its content.

### COMMUNICATIONS

Please visit NDU Press and *Joint Force Quarterly* online at **ndupress.ndu.edu** for more on upcoming issues, an electronic archive of *JFQ* articles, and access to many other useful NDU Press publications. Constructive comments and contributions are important to us. Please direct editorial communications to the link on the NDU Press Web site or write to:

Editor, *Joint Force Quarterly* National Defense University Press 300 Fifth Avenue Fort Lesley J. McNair Washington, DC 20319-5066

Telephone: (202) 685-4220/DSN 325 FAX: (202) 685-4219/DSN 325 Email: gurneyd@ndu.edu JFQ online: ndupress.ndu.edu

> 2<sup>d</sup> Quarter, April 2008 ISSN 1070-0692



# JFQ Dialogue

- **4** Letters to the Editor
- **6** Joint Doctrine Update

# Forum

- 7 Executive Summary
- **10** America's Air Force: The Nation's Guardian By T. Michael Moseley
- **16** MV-22B Osprey: A Strategic Leap Forward By Glenn M. Walters
- **20** Army Unmanned Aircraft Systems: Decisive in Battle By Jeffrey Kappenman
- 24 A Strategy Based on Faith: The Enduring Appeal of Progressive American Airpower *By Mark Clodfelter*
- **32** Shaping the Joint Fight in Air, Space, and Cyberspace By C. Robert Kehler
- **38** Strategic Air Mobility and Global Power Projection By Arthur J. Lichte
- 44 Domain Expertise and Command and Control By Raymond E. Johns, Jr., and Bruce Hanessian
- 49 Unmanned Aircraft Systems: Taking Strategy to Task By David A. Deptula
- **52** Data Transparency: Empowering Decisionmakers By Michael W. Peterson
- **54** Aerial Partners in Arms By Benjamin S. Lambeth
- **61** The Joint STARS Challenge By Price T. Bingham
- **66** Spacepower in the 21<sup>st</sup> Century By Charles D. Lutes
- 73 A Deeper Shade of Blue: The School of Advanced Air and Space Studies By Stephen D. Chiabotti
- The Next Horizon: Building a Viable Force By John A.Bradley, Gary L. Crone, and David W. Hembroff (available only at www.ndupress.ndu.edu)

# Commentary

- 77 Rebuilding Global Airpower By Barry R. McCaffrey
- **80** Air and Space Power Going Forward By David A. Deptula
- 86 Developing Joint Counterinsurgency Doctrine: An Airman's Perspective By Charles J. Dunlap, Jr.
- 93 On Airpower, Land Power, and Counterinsurgency: Getting Doctrine Right By James S. Corum
- **98** National Security and Global Climate Change By Sean C. Maybee

# CORRECTION

The *JFQ* 48 (1<sup>st</sup> quarter, 2008) cover photograph showed Camp Six, Guantanamo Bay Naval Base, not Camp One as stated in the caption.





# <u>Features</u>

- **103** Military Culture and Transformation By Michael B. Siegl
- **107** Sourcing Perception Warriors By C. Glenn Ayers and James R. Orbock
- **110** The Challenge That Is USAFRICOM By Isaac Kfir
- **115** Developing National Security Professionals By John W. Yaeger
- 121 Iran's Islamic Revolutionary Guard Corps: An Open Source Analysis By Matthew M. Frick
- **128** Hizballah Rising: Iran's Proxy Warriors By Shannon W. Caudill

# **Interagency Dialogue**

**135** Managing Mayhem: The Future of Interagency Reform *By James Jay Carafano* 

# <u>Recall</u>

**138** Reappraising FDR's Approach to World War II in Europe By Michael S. Bell

# **Book Reviews**

- 146 John Warden and the Renaissance of American Air Power Reviewed by John Darrell Sherwood
- 147 Salvaging American Defense: The Challenge of Strategic Overstretch Reviewed by Shawn Brimley
- 148 Geopolitics and the Great Powers in the Twenty-first Century: Multipolarity and the Revolution in Strategic Perspective Reviewed by Thomas M. Kane
- 149 Lessons Not Learned: The U.S. Navy's Status Quo Culture Reviewed by Christopher R. Davis

The opinions, conclusions, and recommendations expressed or implied within are those of the contributors and do not necessarily reflect the views of the Department of Defense or any other agency of the Federal Government.



#### ABOUT THE COVERS

The front cover shows F–22 receiving fuel from KC–135 over Eglin Air Force Base (U.S. Air Force/Bryan Franks). The table of contents shows (left to right): Global Hawk unmanned aircraft system being towed to hangar after mission over Southwest Asia (U.S. Air Force/Jason Tudor); RQ–8A Fire Scout vertical takeoff and landing tactical unmanned aerial vehicle test firing unguided Mark–66 2.75-inch rocket (Northrop Grumman/Tim Paynter); crew of Apollo 11 erecting U.S. flag on Moon (NASA); and MV–22B preparing to land at Al Asad Air Base, Iraq (2<sup>4</sup> Marine Air Wing/Sheila M Brooks). The back cover shows (clockwise from top): USS *Harry S. Truman* receiving underway replenishment from USNS *Arctic* in Persian Gulf (U.S. Navy/Kenneth R. Hendrix); SEAL leading Afghan officer to border checkpoint in Afghanistan (U.S. Maryn cruiters (U.S. Navy/Jennifer A. Villalovos); USS *Constitution*, the Navy's oldest commissioned warship, moored in Charlestown, Massachusetts; crew of USS *Porter* striking World War II–era pose while conducting maritime security in Indian Ocean (U.S. Navy/Patrick Gearhiser).

# JFQ

#### PUBLISHER

ADM Michael G. Mullen, USN

# DIRECTOR, INSS

Dr. Patrick M. Cronin

# ADVISORY COMMITTEE

Gen James E. Cartwright, USMC The Joint Staff BG David A. Armstrong, USA (Ret.) Office of the Chairman MG Byron S. Bagby, USA Joint Forces Staff College Col Jeremiah D. Canty, USMC Marine Corps War College A. Denis Clift National Defense Intelligence College Col Thomas Greenwood, USMC Marine Corps Command and Staff College RADM Garry E. Hall, USN Industrial College of the Armed Forces MG David H. Huntoon, USA U.S. Army War College Brig Gen Jav H. Lindell, USAF Air Command and Staff College Col Jerome M. Lynes, USMC The Joint Staff Maj Gen Stephen J. Miller, USAF Air War College BG Mark E. O'Neill, USA U.S. Army Command and General Staff College LTG Walter L. Sharp, USA The Joint Staff RADM Jacob L. Shuford, USN Naval War College Col David Smarsh, USAF Naval Postgraduate School Brig Gen Robert P. Steel, USAF National War College LtGen Frances C. Wilson, USMC National Defense University

#### EDITORIAL BOARD

Richard K. Betts Columbia University Stephen D. Chiabotti School of Advanced Air and Space Studies Eliot A. Cohen The Johns Hopkins University Aaron L. Friedberg Princeton University Alan L. Gropman Industrial College of the Armed Forces Douglas N. Hime Naval War College Mark H. Jacobsen Marine Corps Command and Staff College Daniel T. Kuehl Information Resources Management College Thomas L. McNaugher The RAND Corporation Kathleen Mahoney-Norris Air Command and Staff College William H.J. Manthorpe, Jr. National Defense Intelligence College John J. Mearsheimer The University of Chicago LTG William E. Odom, USA (Ret.) Hudson Institute Col Mark Pizzo, USMC (Ret.) National War College James A. Schear National Defense University Col Thomas C. Skillman, USAF Air War College COL Robert E. Smith, USA U.S. Army War College LtGen Bernard E. Trainor, USMC (Ret.) Harvard University

#### CONTRIBUTIONS

Joint Force Quarterly welcomes submission of scholarly, independent research from members of the Armed Forces, security policymakers and shapers, defense analysts, academic specialists, and civilians from the United States and abroad. Submit articles for consideration to the address on the opposite page or by email to JFQI@ndu.edu "Attention A&R Editor" in the subject line. For further information, see the guidelines on the NDU Press Web site at ndupress.ndu.edu.

Joint Force Quarterly is published by the National Defense University Press for the Chairman of the Joint Chiefs of Staff. JFQ is the Chairman's flagship joint military and security studies journal designed to inform members of the U.S. Armed Forces, allies, and other partners on joint and integrated operations; national security policy and strategy; efforts to combat terrorism; homeland security; and developments in training and joint professional military education to transform America's military and security apparatus to meet tomorrow's challenges better while protecting freedom today.