



FEATURES

- 4 Editorial: Ready For War in Space**
By Adam J. Hebert
On-orbit capabilities set the US apart, but are increasingly threatened.
- 20 These Magnificent Spires**
By Peter Grier
A soaring inspiration, the Air Force Memorial celebrates its 10th anniversary this month.
- 30 NATO's New Reality**
By John A. Tirpak
An ominous Russian shadow spreads across Europe as ISIS and the Taliban also demand Alliance attention.
- 35 The Oxygen in the Fight**
By John A. Tirpak
Gen. David Goldfein, the next Chief of Staff, faces a daunting to-do list but says the Air Force is up to its challenges.
- 40 Masters of Nuclear Deterrence**
By Brian W. Everstine
USAF's new SANDS school aims to create experts in the art and science of deterrence.
- 46 Ebola Flight**
By Will Skowronski
AMC proves it can move an infectious patient forward for advanced treatment.
- 50 Mischief in the South China Sea**
By Wilson Brissett
China is still claiming and militarizing the vital international waterway.
- 56 Air and Space and Aerospace**
By John T. Correll
The Air Force has been up and down several times in defining the vast medium in which it operates.
- 62 The Carswell B-36 Disaster**
By Sam McGowan
An intense storm knocked most of SAC's Peacemaker bombers out of commission.



About the cover: The Air Force Memorial commemorates airpower and honors airmen of past and present. See "These Magnificent Spires," p. 20. Photo by Randall Scott.



Publisher: Larry O. Spencer
Editor in Chief: Adam J. Hebert

Managing Editor: Juliette Kelsey Chagnon
Editorial Director: John A. Tirpak
News Editor: Amy McCullough
Senior Designer: Heather Lewis
Deputy Managing Editor: Frances McKenney
Pentagon Editor: Brian W. Everstine
Senior Editors: Wilson Brissett, Will Skowronski
Digital Platforms Editor: Gideon Grudo
Designer: Kristina Parrill
Associate Editor: June L. Kim
Production Manager: Eric Chang Lee
Photo Editor: Mike Tsukamoto
Media Research Editor: Chequita Wood

Contributors: John T. Correll, Robert S. Dudney, Peter Grier, Robert Grimsley, Jennifer Hlad, Sam McGowan, Warren F. Neary

Advertising: Tom Buttrick, James G. Elliott Co., Inc.

(312) 348-1206
 airforcemagsales@afa.org
 1501 Lee Highway
 Arlington, VA 22209-1198
 Tel: (703) 247-5800
 Telefax: (703) 247-5855
 afmag@afa.org



DEPARTMENTS

- | | |
|--|--|
| 6 Letters | 12 Screenshot |
| 6 Index to Advertisers | 14 Air Force World |
| 8 Senior Staff Changes | 19 Forward Deployed: <i>Humanitarian concern looms; Retaking Mosul; Working the timeline; B-52 back in the fight</i> |
| 9 Action in Congress: <i>To Retire or Not Retire, Continued</i> | 61 Verbatim |
| 10 Aperture: <i>Number confusion, prize dizziness; What's included, anyway?; Compete the teams; Begging for a budget</i> | 76 Namesakes: <i>Carswell</i> |

WINGMAN

- | | |
|--|---|
| 67 Wingman Cover
By Warren F. Neary | 71 Reunions |
| 68 Getting Smoked
By Robert Grimsley
<i>Nearing age 50—and taking on Army Air Assault School.</i> | 72 Painting Air Force History
By Warren F. Neary
<i>Warren Neary draws on details, facts, and his own artistic interpretations to portray Air Force stories.</i> |
| 70 Chapter News | |

Read the Daily Report
www.airforcemag.com

Follow us on



facebook.com
/airforcemag



twitter.com
@airforcemag



flickr.com/photos/
133046603@N02

AIR FORCE Magazine (ISSN 0730-6784) October 2016 (Vol. 99, No. 10) is published monthly by the Air Force Association, 1501 Lee Highway, Arlington, VA 22209-1198. Phone (703) 247-5800. Periodical postage paid at Arlington, Va., and additional mailing offices. **Membership Rate:** \$45 per year; \$30 e-Membership; \$110 for three-year membership. **Life Membership (nonrefundable):** \$600 single payment, \$630 extended payments. **Subscription Rate:** \$45 per year; \$29 per year additional for postage to foreign addresses (except Canada and Mexico, which are \$10 per year additional). Regular issues \$10 each. USAF Almanac issue \$20 each. **Change of address** requires four weeks' notice. Please include mailing label. **POSTMASTER:** Send changes of address to Air Force Association, 1501 Lee Highway, Arlington, VA 22209-1198. Publisher assumes no responsibility for unsolicited material. Trademark registered by Air Force Association. Copyright 2016 by Air Force Association.