

ARMY LOGISTICIAN

July-August 1999



Fueling the Force

ARMY LOGISTICIAN

PROFESSIONAL BULLETIN OF UNITED STATES ARMY LOGISTICS

PB 700-99-4
VOLUME 31, ISSUE 4
JULY-AUGUST 1999

ARTICLES

- 4 **Bulk Fuel Support In Bosnia**—Major Shawn P. Walsh
- 8 **Fueling the Force in the Army After Next—Revolution or Evolution?**
—Captain Marc Lawton and Captain Tacildayus Andrews
- 13 **Protection From Chemical and Biological Threats**
—Sarah A. Morgan-Clyborne, Frank J. Cole, and Matthew R. Whipple
- 16 **Defending the BSA With Indirect Fire**—Captain Joseph D. Heck, Jr.
- 18 **Army National Guard Division Redesign**
—Lieutenant Colonel Bernard F. Veronee, Jr.
- 20 **Evolution in Army Reserve Logistics**
—Lieutenant Colonel Anthony E. Winstead, USAR
- 24 **The Role of the Quartermaster Corps in the Revolution in Military Logistics**—Lieutenant Colonel Karen E. Good
- 28 **Foal Eagle '98**—Staff Feature
- 30 **1st CAV Rolls Through Rijeka**—Major General Charles S. Mahan, Jr., and Brigadier General Mitchell H. Stevenson
- 34 **Total Package Fielding for the Abrams Tank**—Major Brian Raftery
- 38 **Deployment and Civilians: What Incentives Do We Need?**—Jody Brenner
- 42 **Revolutionizing Military Logistics: A New Look at an Old Capability**—Lieutenant Colonel Carl J. Cartwright and CWO3 Linda J. Schwartz
- 44 **Future Operational Capabilities**—Charles Holmes
- 47 **Commentary: An Argument for a Combat ASL**—Thomas R. Welch
- 50 **TAQ: Leading Change Into the Next Century**—Joe Antunes, Lieutenant Colonel William Danzeisen, and Patricia Ellis

DEPARTMENTS

1 News

2 Log Notes

52 Systems

Army Logistician (ISSN 0004-2528) is a bimonthly professional bulletin published by the Army Logistics Management College, 2401 Quarters Road, Fort Lee, Virginia 23801-1705. Periodicals postage paid at Petersburg, VA 23804-9998 and additional mailing offices.

Mission: *Army Logistician* is the Department of the Army's official professional bulletin on logistics. Its mission is to publish timely, authoritative information on Army and Defense logistics plans, programs, policies, operations, procedures, and doctrine for the benefit of all logistics personnel. Its purpose is to provide a forum for the exchange of information and expression of original, creative, innovative thought on logistics functions.

Disclaimer: Articles express opinions of authors, not the Department of Defense or any of its agencies, and do not change or supersede official Army publications. The masculine pronoun may refer to either gender.

Submissions: Articles and information on all facets of logistics operations and functions are solicited. Direct communication is authorized and should be addressed to: EDITOR ARMY LOGISTICIAN/ALMC/2401 QUARTERS RD/FT LEE VA 23801-1705. Phone numbers are: (804) 765-4761 or DSN 539-4761; Fax (804) 765-4463 or DSN 539-4463; e-mail alog@lee.army.mil. Articles may be reprinted with credit to *Army Logistician* and the author(s), except when copyright is indicated.

Distribution: Units may obtain copies through the initial distribution system (DA 12-series). Private subscriptions are available through the Superintendent of Documents, U.S. Government Printing Office (order form is on inside back cover). *Army Logistician* has a home page on the Internet's World Wide Web at <http://www.almc.army.mil/alog>.

Postmaster: Send address changes to: EDITOR ARMY LOGISTICIAN/ALMC/2401 QUARTERS RD/FT LEE VA 23801-1705.

BOARD OF DIRECTORS

Chairman

Major General Daniel G. Brown
Commander, Army Combined Arms Support Command

Members

The Honorable Mahlon Appar IV
Assistant Secretary of the Army
Installations and Environment

Major General Charles C. Cannon, Jr.
Acting Deputy Chief of Staff for Logistics
Department of the Army

General John G. Coburn
Commander, Army Materiel Command

ARMY LOGISTICS MANAGEMENT COLLEGE

Colonel Samuel H. Jones III
Commandant

Barbara G. Mroczkowski
Assistant Commandant

STAFF

Janice W. Heretick, Editor
Robert D. Paulus, Associate Editor
Janice L. Simmons, Assistant Editor
April K. Morgan, Assistant Editor
Joyce W. Pawlowski, Design Specialist

COVER

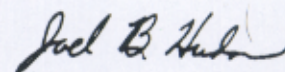
The cover photos depict fuel storage and refueling operations during Operation Just Cause in Panama and Operation Provide Relief in Somalia and fuel training during an exercise at Fort Lewis, Washington. Articles beginning on pages 4 and 8 propose plans and options for fueling the force of the future.

This medium is approved for the official dissemination of material designed to keep individuals within the Army knowledgeable of current and emerging developments within their areas of expertise for the purpose of enhancing their professional development.

By Order of the Secretary of the Army:

DENNIS J. REIMER
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
Administrative Assistant
to the Secretary of the Army
05834

Coming in Future Issues—

- **More Tooth, Less Tail: Contractors in Bosnia**
- **Motivation Through Competition**
- **ISM in the Army Reserve**
- **U.S. National Support Element**
- **Divisional Cavalry Squadron Maintenance Techniques**
- **Joint Training: Reserve Components in the Bay Area**
- **The Logistics of an Exercise**
- **Ultra-Reliable Weapons and Equipment for the AAN**
- **Reducing Life-Cycle Sustainment Costs for the Apache**
- **Stairstep Technologies in the SSA**
- **Force XXI Class IX Supply and Distribution Operations**
- **Expanding the Scope of Air Assault Logistics**
- **Creative Training Schedules**
- **British Logistics and Failure in the American Revolution**
- **Managing Hazardous Substances at the Installation or Depot**

ISSN 0004-2528
DEPARTMENT OF THE ARMY
ARMY LOGISTICIAN
US ARMY LOGISTICS MANAGEMENT COLLEGE
2401 QUARTERS ROAD
FORT LEE VIRGINIA 23801-1705

PERIODICALS POSTAGE
AND FEES PAID
AT PETERSBURG VIRGINIA
AND ADDITIONAL CITIES

Official Business