ARYN LOGISTICIAN

SEPTEMBER-OCTOBER 1998



Information Age Technology

In this issue—
Division XXI Unveiled—Page 1
Arming the Force of the Future—Page 10
Total Package Fielding—Page 12



PROFESSIONAL BULLETIN OF UNITED STATES ARMY LOGISTICS

PB 700–98–5 VOLUME 30, ISSUE 5 SEPTEMBER-OCTOBER 1998

ARTICLES

- 1 New Division Design Centralizes CSS-Staff Feature
- 4 Our Enemy's Ultimate Weapon?-Robert A. Rossi
- 7 Modernization of a Class IX Facility
 —Captain Darrell Duckworth and La Marcus Keels
- 10 Arming the Force on the 21st-Century Battlefield —Captain James O. Winbush, Jr.
- 12 Materiel Fielding Standardization—Jack D. Scott
- 16 Integrating Nondivisional CSS Unit Attachments —Captain Miguel A. Martinez
- 18 How Does the Gulf War Measure Up?
 —Lieutenant Colonel Christopher R. Paparone
- 24 Supporting Special Operations Forces—Major Mark A. Ferris
- 27 A Guide for the Ground Assault Convoy: A Combined Arms Approach—First Lieutenant Bradley L. Rees
- 30 Artillery Ammunition in the Korean War —Captain David A. Martin
- 34 Handling Munitions as Hazardous Waste
 —Michael F. Flannery, Jr.
- 37 Water Support of Exercise Bright Star '97 —Steven L. Mayerhoefer
- 40 Commentary: Water Purification on the Go —First Sergeant Richard A. Montcalm, Sr.
- 41 Commentary: Rethinking Ammunition Management— Correctly—Dr. Robert M. Ford

DEPARTMENTS

43 Log Notes

44 News

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 it to expect the professional bulletin on the professional bulleting and Professional States.

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@leedns1.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/orgnzatn/alog/alog.htm.

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 Apgar IV Assistant Secretary of the Army Installations, Logistics, and Environment

Lieutenant General John G. Coburn Deputy Chief of Staff for Logistics Department of the Army

General Johnnie E. Wilson Commander, Army Materiel Command

> ARMY LOGISTICS MANAGEMENT COLLEGE

Colonel Charles R. Golla Commandant

Barbara G. Mroczkowski Assistant Commandant

STAFF

Janice W. Heretick, Editor Robert D. Paulus, Associate Editor Janice L. Simmons, Assistant Editor Joyce W. Pawlowski, Production Assistant

COVER

Information Age technology is being incorporated in all combat service support operations. These photos, provided by the Army Office of the Chief of Public Affairs, show the digitally equipped soldier (center), the palletized loading system (above), and the Hercules recovery vehicle (below). This issue of *Army Logistician* contains a number of articles that describe the Army's progress toward Army XXI, including the announcement of a new design for the heavy division (see next page).

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:

Jul B the

JOEL B. HUDSON Administrative Assistant to the Secretary of the Army 04885

Coming in Future Issues—

- ULLS Gunnery
- Supplying the Chemical Warfare Service in World War I
- Using Laptop Computers for ULLS-G
- Lift Mission in Bosnia
- Using Bar-Code Technology With ULLS
- · Measuring Joint Theater Distribution
- A Medical Unit EXTEV
- Knowledge-Based Logistics
- · A Unique Unit With a Unique Challenge
- Contractors on the Battlefield
- Distribution Management Field Studies Program
- Arctic Maintenance Battle Drills
- EAGLE—Improving National Guard Logistics
- Training the Force XXI Multicapable Mechanic
- National Guard's Pollution Prevention Internet Initiative

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

Official Business

PERIODICALS POSTAGE AND FEES PAID AT PETERSBURG VIRGINIA AND ADDITIONAL CITIES