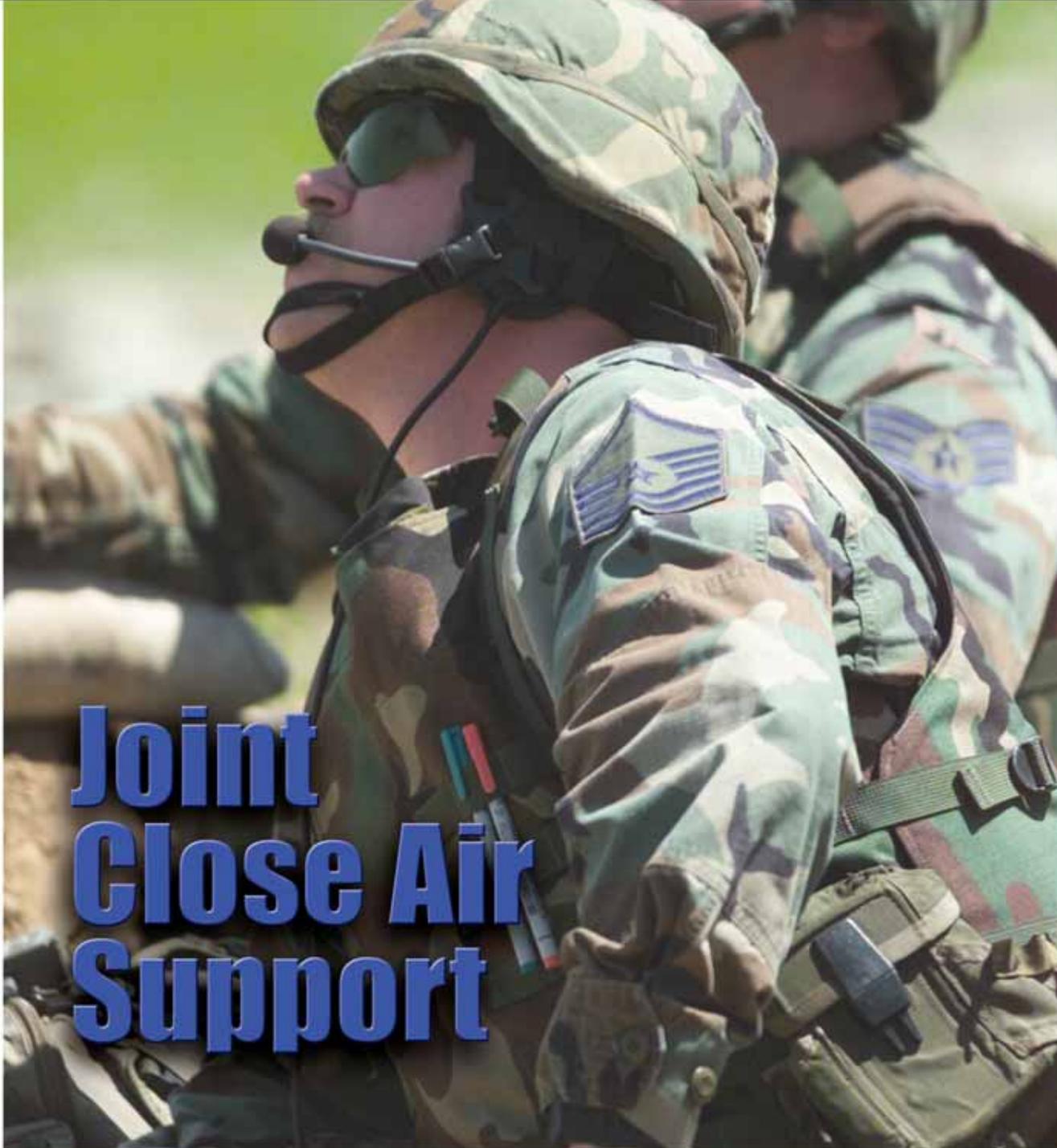


Field Artillery

sill-www.army.mil/famag

A Joint Magazine for US Field Artillerymen

September-October 2004



**Joint
Close Air
Support**

Field Artillery

A Joint Magazine for US Field Artillerymen

September-October 2004

HQDA PB6-04-4

Click on the title of the article you would like to access.

- 5 [JCAS and the Defense of Duffer's Wadi](#)
By Colonel D. Matthew Neuenswander, USAF, and Lieutenant Colonel D. Wayne Andrews
- 14 [The Brigade Staff's JCAS Battle Drill](#)
By Major James A. Frick
- 18 [Supporting Arms Synchronization of Fires: Altitude Separation of FA and Fixed-Wing CAS](#)
By Captain John S. Gilbert, USMC
- 23 [Operation Joint Thunder—JCAS Training at Fort Sill](#)
By Major John R. Watson
- 24 [2-5 FA: A Ground Maneuver Force for the 3d ACR in OIF](#)
By Lieutenant Colonel David C. Hill and Major Shaun E. Tooke
- 30 [MTS—An Untold Commo Success Story in OIF](#)
By Captain Jeffrey J. Hilt and Sergeant First Class Ronald L. Jones
- 33 [101st FIST Platoon in SOSO: Lessons Learned in CMO](#)
By First Lieutenant Robert M. Chamberlain
- 36 [FA NCOs—Lead, Follow or Get *the-Hell* Out of the Way!](#)
By Command Sergeant Major Tommy A. Williams
- 38 [The "Vision Thing" for Lieutenants](#)
By Major S. Mark McMillion
- 41 [The Digital Battery "TOC"](#)
By Captain Ryan A. Howell and Craig B. Abler
- 43 [Radar Planning, Preparation and Employment of 3-Tiered Coverage: LCMR, Q-36, and Q-37](#)
By Chief Warrant Officer Three Daniel W. Caldwell

DEPARTMENTS

- 1 [Crossed Cannons on Your Collar](#) **Chief of the Field Artillery column**
- 3 [Incoming](#) **Letters to the Editor**

Front Cover: During the joint close air support (JCAS) exercise Operation Joint Thunder at Fort Sill in May, Air Force Master Sergeant Bradley Prais, Standardization and Evaluation Chief, and Staff Sergeant Steven Dumont, Joint Terminal Attack Controller, look skyward at two Naval Reserve F-18s, each dropping four 1,000-pound bombs on an "enemy convoy" simultaneously with cannon and rocket artillery fires. They are from the 3d Air Support Operations Group, Fort Hood, Texas. The event culminated the 212th Field Artillery Brigade's exercise that incorporated the efforts of 13 units, nine installations and four branches of the armed services. (Photo by SPC Matthew Meadows, Fort Sill *Cannoneer*)

DISCLAIMER: *Field Artillery*—is published bimonthly by Headquarters, Department of the Army, under the auspices of the US Army Field Artillery School (Building 758), Fort Sill, OK. The views expressed are those of the authors, not the Department of Defense or its elements. *Field Artillery's* content doesn't necessarily reflect the US Army's position and doesn't supersede information in other official Army publications. Use of news items constitutes neither affirmation of their accuracy nor product endorsements.

PURPOSE: (as stated in the first *Field Artillery Journal* in 1911): *To publish a journal for disseminating professional knowledge and furnishing information as to the Field Artillery's progress, development and best use in campaign; to cultivate, with the other arms, a common understanding of the power and limitations of each; to foster a feeling of interdependence among the different arms and of hearty cooperation by all; and to promote understanding between the regular and militia forces by a closer bond; all of which objects are worthy and contribute to the good of our country.*

OFFICIAL DISTRIBUTION: US Army and Marine Corps Active and Reserve Components FA units: seven copies to corps artillery, division artillery, brigade and regimental headquarters; 13 copies to battalions; and seven copies to separate batteries or detachments. In addition, other Department of Defense or government agencies that work with Field Artillery or fire support personnel, issues, material, doctrine, training, organization or equipment may request a limited number of free copies of the magazine. These include, but are not limited to, other coordination and support units, training centers and branch schools, recruiting commands, readiness groups, libraries and education centers, program/project managers, military arsenals and laboratories, state adjutant generals, liaison officers, military academies, ROTCs, major command headquarters, military attaches and public affairs offices.

PAID SUBSCRIPTIONS: Those ineligible for Official Distribution may subscribe through the US Field Artillery Association, P.O. Box 33027, Fort Sill, OK 73503-0027 or www.fieldartillery.org. Telephone numbers are (580) 355-4677 or FAX (580) 355-8745 (no DSN). Dues are \$20 per year to US and APO addresses. The international rate is \$55 for a one-year subscription.

SUBMISSIONS: Mail to Editor, *Field Artillery*, P.O. Box 33311, Fort Sill, OK 73503-0311. Telephone numbers are DSN 639-5121/6806 or commercial (580) 442-5121/6806 or FAX 7773 with DSN or commercial prefixes. Email is famag@sill.army.mil. Material is subject to edit by the *Field Artillery* staff.

REPRINTS: *Field Artillery* is pleased to grant permission to reprint articles. Please credit the author and *Field Artillery*.

ADDRESS CHANGES: *Field Artillery* (ISSN 0899-2525) (USPS 309-010) is published bimonthly. Periodicals postage is paid by the Department of the Army at Lawton, OK 73501 and an additional mailing post office. POSTMASTER: send address changes to *Field Artillery*, P.O. Box 33311, Fort Sill, OK 73503-0311.

Redleg Hotline & Email

(Organization, Material, Doctrine and Training)
DSN 639-4020 or (580) 442-2204 (24-Hours)
redleg@sill.army.mil

Tactical Software Hotline

DSN 639-5607 or (580) 442-5607 (24-Hours)

Field Artillery Home Page

sill-www.army.mil/famag

By Order of the Secretary of the Army:

Peter J. Schoomaker
General, United States Army
Chief of Staff

Official:


JOEL B. HUDSON

Administrative Assistant to the
Secretary of the Army, 0418206

David P. Valcourt
Major General, United States Army
Field Artillery School Commandant

Editor:
Patricia Slayden Hollis

Assistant Editor:
Reta L. Rogers

Art Director:
Fred W. Baker III