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AD NUMBER
AD506149
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TO: unclassified
FROM: confidential
LIMITATION CHANGES
TO: Approved for public release, distribution unlimited
FROM: Controlling DoD Organization: Assistant Chief of Staff for Force Development [Army], Washington, DC.
AUTHORITY
31 Aug 1975 per GDS; Adjutant General's Office [Army] ltr dtd 29 Apr 1980

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DEPARTMENT OF THE ARMY
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IN REPLY REFER TO

AGDA (M) (26 Nov 69) FOR OT UT 693212

5 December 1969

SUBJECT: Operational Report - Lessons Learned, Headquarters, 101st
Airborne Division Artillery, Period Ending 31 July 1969 (U)

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101st Airborne Division Artillery

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DEPARTMENT OF THE ARMY
HEADQUARTERS 101ST AIRBORNE DIVISION ARTILLERY
APO San Francisco 96383

9 August 1969

Operational Report - Lessons Learned
1 May 1969 - 31 July 1969

1. INTRODUCTION

2. REFERENCES

a. USARV Reg 525-15

b. 101st Abn Div Reg 525-4

c. Operations Report - Lessons Learned required by references is submitted
dated 1 May 1969 - 31 July 1969.

3. Section 1. Operations, Significant Activities:

a. Summary of significant activities:

1. On 1 May 1969 the 101st Airborne Division Artillery was deployed as fol-

lowing: The 101st Airborne Division Artillery was collocated with Division Headquarters
at Camp Evans.

2. Division Artillery Task Organization as follows:

	<u>LOCATION</u>	<u>GRID</u>	<u>MISSION</u>
1st Bn	Camp Evans	YD541318	DS 3d Bde
2nd Bn	FSB Blaze	YC537023	
3rd Bn	FSB Berchtesgaden	YD435011	
4th Bn	FSB Rakkasan	YD488195	
(105mm M102)			
5th Bn	Camp Eagle	YD814153	DS 1st Bde
6th Bn	FSB Los Banos	AT832999	
7th Bn	FSB Roy	ZD057028	
8th Bn	FSB Pistol	YC902902	
(105mm M102)			

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UNIT	LOCATION	GRID	MISSION
1st Bn, 321st Arty	FSB Whip	YC588877	DS 2d Bde
Btry A	FSB Shield	YC74	
Btry B	FSB Whip	YC58 78	
Btry C (105mm ML02)	(5 Tubes) FSB Lash	YC67C	
6th Bn, 33d Arty	Phu Bai	YD872128	SR
Btry A	FSB Thor	YC6 835	
Btry B (105mm ML01)	FSB Panther II	YD79	
A Btry, 1st Bn, 40th Arty (105mm SP ML08)	FSB Sally	YD639271	GSR, 101st Abn Div
4th Bn, 77th Arty (UH-1C)	Camp Eagle	YD814153	GS, 101st Abn Div
Btry A (AH-1G)	Camp Eagle	YD814153	
Btry B (AH-1G)	Camp Eagle	YD814153	
Btry C (AH-1G) (UH-1C)	Camp Evans	YD541318	
2d Bn, 11th Arty	Camp Eagle	YD814153	GS 101st Abn Div
Btry A (5 Tubes)	FSB Pike	YC667747	
Btry B	FSB Whip	YC588878	
Btry B	FSB Lash	YC670667	
Btry C	FSB Berchtesgaden	YD435011	
Btry C (155 ML14A1)	FSB Evans	YD541318	
2d Bn, 138th Arty	Gia Le	YD829150	GSR 101st Abn Div
Btry A	FSB Bastogne	YD628098	
Btry B	Phu Bai	YD884127	
Btry C (155mm SP ML08)	LZ Sam	YC869841	
1st Bn, 83d Arty	Gia Le	YD829150	GSR 101st Abn Div
Btry A	Vic FSB Sen	YD478029	
Btry B	FSB Roy	2D057028	
Btry C (8in SP ML10)	FSB Bastogne	YD628098	
Btry A, 2d Bn, 94th Arty	FSB Evans	YD541318	GS XXIV Corps
Btry B, 2d Bn, 94th Arty	Gia Le	YD829150	
Btry C, 2d Bn, 94th Arty (8in SP ML10)	FSB Nancy	YD435395	
Btry D, 1st Bn, 44th Arty (40mm M42A1)	Phu Bai	YD872150	GSR XXIV Corps

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UNIT	LOCATION	GRID	MISSION
Sec Btry G, 65th Arty (Quad 50)	Phu Bai	YD872150	GS XXIV Corps
Sec Btry G, 29th Arty (SL)	Phu Bai	YD872150	GS XXIV Corps

(c) Btry D, 2d Bn, 320th Arty continued to be attached to the 3d Bn, 506th, Phan Theit, RVN. Additional fire support bases used during the reporting period include:

FSB Birmingham	YD702102	FSB Zon (ARVN)	YD472011
FSB Airborne	YD355071	FSB Geronimo	YD691202
FSB Rakkan	YD488195	FSB Cannon	YD478029
FSB Currahee	YC398949	FSB Tomahawk	ZD117014
FSB Fist	YC866836	FSB Thor	YD664835
FSB Nuts	YD757854	FSB Carroll	YD348193
FSB Nancy (ARVN)	YD435395	FSB Brick	YC835995
FSB Bradley (ARVN)	YD273123	PK 17 (ARVN)	YD647284
FSB Tiger (ARVN)	YD251088	FSB Quick I	YD906029
FSB Eagle's Nest	YD405036	FSB Sledge	ZC059928

(d) On 1 May 1969, the Division was continuing operation KENTUCKY JUMPER.

(1) 1 May: Div Arty continued support of operation KENTUCKY JUMPER, MASSACHUSETTS STRIKER and BRISTOL BOOTS.

(2) 4 May: Btry A, 1st Bn, 321st Arty moved by air to FSB SHIELD (YC744644) from FSB BIRMINGHAM (YD702102) to support Operation KENTUCKY JUMPER.

(3) 5 May: Btry B, 2d Bn, 11th Arty moved three (3) howitzers by air from FSB WHIP (YC588878) to FSB BIRMINGHAM (YD702102) to support Operation KENTUCKY JUMPER.

(4) 6 May: Btry B, 2d Bn, 320th Arty moved by air from FSB ROY (ZD057028) to FSB FIST (YC866836) to support Operation BRISTOL BOOTS. Btry B, 12th ARVN Arty moved by air from FSB PISTOL (YC902902) to FSB FIST to support Operation BRISTOL BOOTS. Btry A, 1st Bn, 321st Arty moved by road from FSB BIRMINGHAM (YD702102) to FSB ROY (ZD057028) to support Operation KENTUCKY JUMPER. Btry C, 2d Bn, 320th Arty moved by air from FSB PISTOL (YC902902) to FSB PIKE (YC667747) to support Operation BRISTOL BOOTS. Div Arty TPS-25 Radar unit moved by air from FSB PANTHER II (YD795106) to FSB SABER (YD897187). The Div Arty C&C aircraft (LOH-6) experienced tail rotor failure and crashed at grid YD708940, results: Div Arty CO, Pilot and one passenger slightly shaken, aircraft sustained major damage.

(5) 7 May: Btry A, 1st Bn, 321st Arty moved four (4) howitzers by road from FSB ROY (ZD059032) to FSB BIRMINGHAM (YD702102) to support Operation KENTUCKY JUMPER. Btry B, 1st Bn, 321st Arty moved by air from FSB WHIP (YC588878) to FSB

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ROY (YD059032) to support Operation KENTUCKY JUMPER. Btry A, 2d Bn, 320th Arty moved by air from FSB LOS BANOS (AT832998) to FSB THOR (YC664835) to support Operation BRISTOL BOOTS. Btry A, 6th Bn, 33d Arty moved by air from FSB THOR (YC664835) to FSB LOS BANOS (AT832998) to support Operation KENTUCKY JUMPER. 1st Bn, 321st Arty forward CP moved by air from FSB WHIP (YC590878) to FSB SALLY (YD639271). LTC Fulwyer assumed command of the 2d Bn, 319th Arty from LTC HANSELL. Btry C, 4th Bn, 77th Arty credited with 1 VC killed, mission fired on grid YD358075.

(6) 8 May; UH-1 aircraft hit a 105mm howitzer belonging to Btry C, 2d Bn, 319th Arty at FSB AIRBORNE (YD355071), one (1) ~~UH~~ wounded (minor), aircraft sustained moderate damage, howitzer sustained minor damage (repaired & operational). Btry C, 2d Bn, 319th Arty moved six (6) of its organic howitzers by air from FSB RAKKASAN (YD488195) to FSB AIRBORNE (YD355071) to support Operation APACHE SNOW. Two (2) howitzers of Btry B, 2d Bn, 319th Arty were moved by air from FSB BERCHTESGADEN (YD435011) to FSB AIRBORNE (YD355071) giving Btry C, 2d Bn, 319th Arty eight (8) howitzers to support upcoming operation. Btry C, 2d Bn, 11th Arty moved three (3) howitzers by air from FSB EVANS (YD541318) to FSB AIRBORNE (YD355071) to support upcoming operation. Operation MASSACHUSETTS STRIKER terminated at 1200 hours.

(7) 9 May: Btry A, 2d Bn, 319th Arty moved by air from FSB BLAZE (YD536020) to FSB CURRAHEE (YC398949) to support Operation APACHE SNOW. Btry B, 12th ARVN Arty moved by air from FSB FIST (YC866836) to FSB NUTS (YD757854) to support Operation BRISTOL BOOTS. Btry B, 2d Bn, 320th Arty moved by air from FSB FIST (YC866836) to FSB NUTS (YD757854) to support Operation BRISTOL BOOTS. Btry B, 34th Arty (ARVN) moved by air from FSB NANCY (YD435395) to FSB BRADLY (YD273123) to support Operation APACHE SNOW. Btry B, 2d Bn, 11th Arty moved three (3) howitzers by air from FSB BIRMINGHAM (YD704101) and Btry C, 2d Bn, 11th Arty moved 1 howitzer by air from FSB BERCHTESGADEN (YD435011) to FSB CURRAHEE (YC398949) to support Operation APACHE SNOW.

(8) 10 May: Btry A, 11th ARVN Arty moved by air from FSB NANCY (YD435395) to FSB TIGER (YD251088) to support Operation APACHE SNOW. Btry B, 2d Bn, 11th Arty moved one howitzer by air from FSB LASH (YC673660) to FSB CURRAHEE (YC398949) to support Operation APACHE SNOW. 2d Bn, 319th Arty moved its CP by air from Camp EVANS (YD541318) to a forward location at FSB EAGLE'S NEST (YD405036) to support Operation APACHE SNOW. Operation APACHE SNOW became effective 0001 hours.

(9) 10 May: Battery A, 1st Bn, 321st Arty moved by air from FSB BIRMINGHAM (YD704101) to FSB RAKKASAN (YD490198) to support Operation KENTUCKY JUMPER. Btry A, 34th Arty (ARVN) moved by air from FSB ZON (YD472011) to FSB GERONIMO (YD691002) to support Operation KENTUCKY JUMPER. DIVARTY METRO STATION moved by air from FSB BLAZE (YD536020) to FSB CURRAHEE (YC398949) to support Arty units supporting Operation APACHE SNOW.

(10) 12 May: 2d Bn, 319th Arty reported FSB EVANS (YD541318) received 5 122mm rockets at approximately 2330 hours. Results: 4 US WHA, 1 US Civ WHA, probable damage to aircraft parked near perimeter, Arty including AAA engaged suspect.

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Grids YD463243 and YD455257. Btry E, 6th Bn, 33d Arty reported a round in a 105mm how (M101A1) at FSB PANTHER II (YD795106) exploded while personnel were attempting to eject round with ejector. Results: 4 US injured. 1st Bn, 83d Arty reported FSB BASTOGNE (YD628098) received approximately 46 RPG and 6 mortar rounds. Some rounds direct hits on parapets detonating section 1. Results: 33 US KIA from sniper fire, RPG's and fragments from explosion of 175 rounds, 18 US MEDVAC. 4th Bn, 77th Arty reported 1 UH-1C aircraft developed engine failure at grid YD521099. Results: aircraft forced down no damage, no casualties, crew extracted. Ground troops secured aircraft overnight, aircraft to be extracted tomorrow.

(11) 13 May: 2d Bn, 11th Arty reported FSB AIRBORNE under ground attack at 0200 hours with RPG, satchel charges and small arms. Defensive targets were fired from FSB GURCHES (Btry B, 2d Bn, 11th Arty; Btry A, 2d Bn, 319th Arty; Btry A, 11th Arty (ARVN)) FSB CANNON (Btry A, 1st Bn, 83d Arty), FSB DRAIDLEY (Btry B, 34th Arty), FSB BERCHTSGADEN (Btry B, 2d Bn, 319th Arty; Btry C, 2d Bn, 11th Arty), and FSB TIGER (Btry A, 11th Arty). Attack stopped at 0515. Results: 22 US KIA, 72 US WHA, 2 US MHA, 32 VC KIA, 17 individual weapons and 1 crew served weapon captured. US weapons damaged: 4x105mm and 1x155mm howitzer. Breakdown by unit: Btry C, 2d Bn, 319th Arty-13 KIA, 29 WHA - Co A, 2d Bn, 501st Inf-7 KIA, 17 WHA-Co E, 2d Bn, 502d Inf-2KHA, 9 WHA, 2 MHA. Btry C, 2d Bn, 138th Arty moved by road from FSB FIST (YC866836) to FSB TOMAHAWK (ZC117014) to support Operation KENTUCKY JUMPER. Btry's A & C, 2d Bn, 320th Arty moved 1 howitzer each by air from FSB PISTOL (YC901902) to FSB THOR (YD664835) and FSB NUTS (YD757854). Howitzers were returned to parent units to continue support of Operation BRISTOL BOOTS. 1st Bn, 83d Arty METRO STATION moved by road from FSB FIST (YC866836) to FSB ROY (YD590320). Div Arty TPS-25 moved from FSB SABER (YD897187) to FSB TOMAHAWK (ZC117014). 2d Bn, 320th Arty moved Bn FDC by air from Camp EAGLE (YD814153) to FSB NUTS (YD757854) to control organic and attached units in Operation BRISTOL BOOTS.

(12) 14 May: Btry C, 1st Bn, 83d Arty moved by road from FSB BASTOGNE (YD628098) to FSB BLAZE (YD536020) to support Operation APACHE SNOW. Btry A, 2d Bn, 138th Arty moved by road from FSB BASTOGNE to FSB BIRMINGHAM (YD704101) to support Operation KENTUCKY JUMPER. 1st Bn, 321st Arty moved int MPQ-4 by air from FSB PIKE (YD647747) to FSB SALLY (YD639271).

(13) 15 May: 2d Bn, 319th Arty reported FSB AIRBORNE (YD355071) received 5 unknown type/caliber rounds. Results: no casualties or damage. Btry C, 2d Bn, 319th Arty fired at suspected launch sites and Btry B, 2d Bn, 319th Arty fired defensive targets for FSB AIRBORNE. Btry A, 2d Bn, 320th Arty moved by air from FSB THOR (YD664835) and Btry C, 2d Bn, 320th Arty moved by air from FSB PIKE (YD668747) to PHU DAI airfield to load out for TAM KY. These units were diverted from supporting operation BRISTOL BOOTS to support operations in the AMERICAL DIVISION AO. Btry A, 4th Bn, 77th Arty (ARA) moved six (6) AH-1G aircraft to CHU LAI (TAY) to support 101st Abn units in AMERICAL DIVISION AO. Btry B, 2d Bn, 11th Arty moved two (2) howitzers by air from FSB LASH (YC673660) to FSB BERCHTSGADEN (YD350110) to support Operation APACHE SNOW. 2d Bn, 320th Arty moved its Bn FDC and Forward CP by air from FSB NUTS (YD757854) to Camp EAGLE (YD814153) in preparation for move to TAM KY to control organic firing batteries supporting

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(16) 19 May: 2d En, 319th Arty reported firing 12 (12) rounds of 12 unknown caliber mortar rounds. Results: 1 US WIA (Minor). 2d En, 319th Arty and Dtry C, 1st En, 83d Arty fired a mortar at 0100. 1st En, 11th Arty moved three (3) howitzers by air to the 1st En, 83d Arty to support Operation KENTUCKY JUMPER. 1st En, 11th Arty closed.

(18) 20 May: 2d Bn, 319th Arty reported radar alarm (1B355071) from an unknown number and tube mortar rounds. Results: no casualties or damage. Arty B, 2d Bn, 319th Arty and Arty B, 4th Bn, 77th Arty (AAA) fired on suspected launch site. Div Arty CO rescued pilot of downed aircraft (10H-6), pilot taken to 22d Surg Hosp, damage to aircraft minor. 4th Bn, 77th Arty (AAA) reported one AH-1G aircraft supporting AMERICAN DIVISION crashed in vic of TAM KY, cause unknown. Aircraft destroyed. Both pilots sustained minor injuries.

(20) 22 May: Btry E, 2d Ln, 320th Arty moved by air from FSB 1415 (1415) to FSB BLAZE (YD536020) to support Operation Whitehorse. On May 1, 2nd Ln,

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319th Arty, fired a mission, Grid YC30459907, Results: 6 NVA killed by artillery.

(21) 23 May: 2d Bn, 11th Arty reported FSB AIRBORNE (YD355091) received approximately 4x60mm mortar rounds. Results: No casualties, no damage. 2d Bn, 11th Arty reported FSB CURRAHEE (YC398949) received 6x122mm rockets. Results: No casualties, no damage. Btry A-B, 2d Bn, 319th Arty; Btry B, 2d Bn, 11th Arty; Btry A, 1st Bn, 83d Arty; and 4th Bn, 77th Arty engaged suspected launch site. 2d Bn, 319th Arty reported an artillery incident at grid YC325-005; 3 US personnel wounded by Btry C, 4th Bn, 77th Arty (ARA). Personnel were from 1st Bn, 506th Inf which Btry C, 4th Bn, 77th Arty (ARA) was providing support. Btry C, 1st Bn, 321st Arty moved by air from FSB THOR (YD62835) to FSB BASTOGNE (YD622093) to support Operation KENTUCKY JUMPER. Btry B, 12th Arty (ARVN) moved by air from FSB NUTS (YC757854) to FSB SABER (YD62837) to support Operation KENTUCKY JUMPER. FSB THOR and FSB NUTS was officially closed. Btry B, 4th Bn, 77th Arty credited with 1 VC killed, and 5 huts destroyed.

(22) 24 May: 2d Bn, 11th Arty reported FSB AIRBORNE (YD355071) received 12x60mm mortar rounds. Results: No casualties, no damage. Infantry mortars fired counter mortar missions at suspected launch site. Btry A, 2d Bn, 320th Arty credited with 5 VC killed, mission fired in TAM KY area.

(23) 25 May: 2d Bn, 319th Arty moved its MPQ-4 Radar by air from FSB EVANS (YD621318) to FSB CURRAHEE (YC989490) to support Operation APACHE SNOW.

(24) 26 May: 2d Bn, 320th Arty reported arty incident: probable firing of wrong charge while supporting 1st Bn, 501st Inf in vic TAM KY. Results: 2 VC killed, not serious. Btry A, 4th Bn, 77th Arty killed 2 VC and damaged 2 huts and 2 bunkers.

(25) 27 May: 2d Bn, 319th Arty reported FSB AIRBORNE (YD355071) received approximately 4x60mm mortar rounds. Results: 4 US KIA, 1 US MHA, 2 US WHA (MEDEVAC). Counter mortar was fired by Btry C, 2d Bn, 319th Arty at FSB AIRBORNE (YD355-071). Camp EGGLE received 8-9x122mm rockets (one dud was located). Results: No casualties, no damages. One ARL section, 4th Bn, 77th Arty, on station, 1st Arty units fired cleared counter mortar and counter rocket plans.

(26) 28 May: 2d Bn, 319th Arty reported FSB BRADLEY (YD273123) received approximately 25 unknown caliber RPG rounds. Results: 22 NVA KIA; 7 AK-47s and 1 pistol captured; 5 US WHA, 13 ARVN KIA, 22 ARVN WHA, 1 ARVN MHA. Btry C, 2d Bn, 319th Arty and Btry C, 2d Bn, 11th Arty fired supporting fires.

(27) 29 May: 2d Bn, 11th Arty reported FSB CURRAHEE (YC398949) received four (4) 122mm rockets. Results: No damage or casualties. Btry B, 2d Bn, 11th Arty and 4th Bn, 77th Arty (ARA) engaged suspect location. 2d Bn, 319th

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Arty reported Arty incident. Blry 1st and 2nd En. targets in support of Co D, 1st En. 1st En. 1st En. serious, 3 minor, all MEDEVAC. 1st En. 1st En. road from FSB SALLY (YD639271) to FSB ROY (200000).

(28) 30 May: All Division Artillery units were alerted for the cessation of offensive actions in observance of Phyllis' birthday. 1st Arty reported FSB BIRMINGHAM received 12-15 unknown caliber mortar rounds, mortars, M42 twin 40mm (Dusters) and Btry A, 2d Bn, 138th Arty fired on same location. Defensive targets were fired for Btry A, 1st Bn, 3d Arty. No proper clearance due to Cease Fire.

(29) 31 May; Cease Fire in observance of Mother's Day. Div Arty immediately began H&I fires. Message from Div Arty CO to all bn CO's. No LZ's will be declared green prior to 15 minutes after H-Hour. MA will stay on station and tube arty will be prepared to fire supporting fire until section is completed and LZ is green, but in no case will this occur prior to H-Hour plus 15 minutes.

(30) 1 June: 1st Bn, 321st Arty reported that 1st Bn was killed by rounds, at FSB SALLY (YD640271). 6th Bn, 32nd Arty and 1st Bn, 7th Arty fired on suspect location, Results: Unknown. 2d Bn, 319th Arty reported PHU CARR (Recon SGT) and PFC CAMPBELL (RTO) of 2d Bn, 132nd Arty were killed by incoming mortar round while serving in a FC party with 3d Bn, 5th ARVN. 319th Arty reported FSB TIGER (YD251088) received 4x122mm rockets or 140mm rounds. Results: No casualties or damage. ARA and 1st Arty requested an inspection. PHU BAI received 8x122mm rockets, Results: 3 ARVN KIA, 10 ARVN wounded. ARA was dispatched. Counter mortar and anti-aircraft fire was fired by 1st

(31) 2 June: 1st Bn, 321st Arty reported FSB KENTUCKY JUMPER (1189459) fired 20 mortar rounds, Results: No casualties or damage. Suspect location was 12 with 40mm and 81mm. No arty fired. Btry B, 1st Arty (1189459) moved forward with howitzers from FSB SAGEE (1189459) to grid 20 120. 1st Arty sent perimeter KENTUCKY JUMPER. Btry C, 2d Bn, 320th Arty credited with 1 VC killed. 1st DIVARTY CO, departed on emergency leave. 1st Arty moved forward to 20 120.

(32) 3 June: 2d Bn, 319th Arty reported FSB TIEB (VMS1108a) received 122mm rockets, one at 1450 hrs, one at 1500 hrs, one at 1600 hrs. Results: no casualties, no damage. CG, 101st Abn Div visited the DIVARTY TOC and was briefed by the Acting DIVARTY CO (LTC Jensen) and staff.

(33) 5 June: 1st Bn, 321st Arty reported receiving 1 214mm fire from TOMAHAWK (ZD117014). Results: No casualties, no damage. 321st Arty fired 8 FC rounds in support.

(34) 7 June: Operation ALPHE SNOW testing, etc.

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10 June: Operation KENTUCKY RENDEZVOUS began at 0001 hrs. Btry A, 321st Arty reported FSB CURRAHEE (YC398949) to FSB CARROLL (YD318193); FSB CURRAHEE (YC398949) was attacked.

10 June: 21st Arty reported FSB CURRAHEE (YC398949) received RFG's. Results: No casualties, or damage. Btry A, 2d Bn, 319th Arty; Btry B, 2d Bn, 11th Arty; and Btry A, 12th Arty ARVN fired counter rocket fire. 1st Bn, 321st Arty reported FSB BASTOGNE (YD622098) received 12x60mm RFG's. Results: No casualties, no damage. Btry C, 1st Bn, 321st Arty reported FSB CURRAHEE (YC398949) was attacked with 60mm RFG's by a ground attack. Attack force estimated as 2 NVA companies. FSB was attacked with mortars, RFG's, and small arms. Results: 1 US KIA, 2 US WHA; Btry B, 2d Bn, 11th Arty FDC received direct hits; total casualties 1 US KIA, 23 US WHA, (13 MEDEVAC). Btry B, 1st Bn, 83d Arty; Btry A, 1st Bn, 83d Arty; Btry C, 2d Bn, 11th Arty; Btry B, 2d Bn, 319th Arty; Btry A, 2d Bn, 319th Arty, and 1st Bn, 77th Arty (24th) fired counter mortar and direct fire missions.

10 June: Camp EAGLE received a rocket and ground attack: Hotel and Golf sectors received RFG's and small arms. Results: No casualties; one water tank destroyed. DIV ARTY fired counterbattery plans. AR4, 4th Bn, 77th Arty, dispatched and Flare/Gun ships were employed in Hotel sector and area of FSB PANTHER II (YD797109). PHU BAY (YD8813) reported it received four 122mm mortars. Results: No casualties; one 5 ton truck moderate damage, two 5 ton trucks slight damage, one generator shed slight damage. Counterrocket plan executed by DIV ARTY. 2d Bn, 319th Arty reported FSB CURRAHEE (YC398949) received 1x82mm round and 7x122mm rockets. Results: 1 US WHA. Btry A, 2d Bn, 319th Arty; Btry B, 2d Bn 319th Arty; Btry B, 2d Bn, 11th Arty; Btry C, 2d Bn, 11th Arty fired on suspect locations. Btry B, 34th Arty ARVN moved by air from FSB BRADLY (YD273123) to FSB NANCY (YD435395). The unit is no longer in 101st AO.

11 June: Btry C, 1st Bn, 83d Arty moved by road from FSB BASTOGNE (YD622098) to FSB BIRMINGHAM (YD701101) to support Operation KENTUCKY JUMPER.

12 June: Btry C, 1st Bn, 83d Arty moved 1 Gun by road from FSB BLAZE (YD701101) to FSB BIRMINGHAM (YD701101) to support Operation KENTUCKY JUMPER.

14 June: Btry C, 2d Bn, 11th Arty reported FSB BERCHTESGADEN (YD424013) received RFG, small arms, and a ground attack by an estimated 75-100 NVA sappers. The attack came from NW, W, and S. Results: Enemy 30 NVA KIA (29 located inside perimeter), 3 NVA KIA PW's, captured 8 RFG's, 2 launchers, 8 AK-47's, miscellaneous medical supplies, 27 RFG rounds, 80 satchel charges, 11 US KIA, 47 WHA. 2d Bn, 319th Arty reported FSB BERCHTESGADEN (YD424013)

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received 4x122mm rockets. Results: 1 US KIA, 8 US WHA. 2d Bn, 11th Arty (2 tubes) conducted, in conjunction with 2d Bn, 17th Cav, an Arty hold on FSB BRICK (Y0335995). 2d Bn, 11th Arty (2 tubes) moved by air from FSB BERCHTESGADEN (YD424013) to FSB BRICK and returned to FSB BERCHTESGADEN. A total of 12 targets were fired expending 443 rounds. (Special Intel Tgts). Btry C, 1st Bn, 83d Arty engaged 5 targets expending 25 HE rounds. Btry A, 2d Bn, 319th Arty fired in defense of FSB CURRAHEE (Y0398949). Results: 19 NVA killed by artillery.

(41) 15 June: Btry A, 2d Bn, 319th Arty reported FSB CURRAHEE (Y0398949) received incoming RPG rounds and ground attack (satchel charges and small arms). Results: Enemy: 54 NVA KIA. Friendly: 5 US WHA (minor). Special Intel Tgts: Btry C, 1st Bn 83d Arty engaged 11 targets expending 54 HE rounds. Results: 12 bunkers destroyed and 8 bunkers damaged.

(42) 16 June: 6th Bn, 33d Arty reported PHU BAI (YD8813) received unknown number of 122mm rockets. Results: No casualties. Damage: 1 rocket hit PX building. Special Intel Tgts: Btry C, 1st Bn, 83d Arty fired on 6 targets expending 47 HE rounds. Results: 1 bunker destroyed. Others damaged.

(43) 17 June: 2d Bn, 319th Arty reported FSB CURRAHEE (Y0398949) received 50x60mm and 82mm incoming mortar rounds. Results: Enemy unknown. Friendly: Btry A, 2d Bn, 319th Arty: 10 US WHA (8 MEDEVAC); Btry B, 2d Bn, 11th Arty: 1 US WHA. Damage: 1 howitzer (155mm) - Btry B, 2d Bn, 11th Arty, direct hit, heavy damage.

(44) 19 June: 2d Bn, 138th Arty reported FSB's TOMAHAWK (ZD117014), ROY (ZD059032) and LOS BANOS (AT832998) and District Headquarters at PHU LOC received approximately 175-190 60mm and 82mm mortar rounds, unknown number of RPG rounds, small arms fire and satchel charges. Results: Enemy: 10 NVA KIA. Friendly: Btry C, 2d Bn, 138th Arty: 6 US KIA, 22 WHA; Btry B, 1st Bn, 83d Arty: 6 WHA. Damage: Btry C, 2d Bn, 138th Arty 3-155mm howitzers SP moderate damage, 1-M577 (FDC) light damage, 9 vehicles light damage. Camp EAGLE (YD808163) received 1x122mm rocket in "C" sector (426th S&S Bn Class II & IV storage area). Results: No casualties, light damage to storage area. One M42 twin 40mm of Btry D, 1st Bn, 44th Arty moved by road from FSB ROY (ZD059032) to FSB CURRAHEE (Y0398949) to support Operation MONTGOMERY RENDEZVOUS.

(45) 21 June: Btry A, 83d Arty moved by road from FSB CANNON (YD478029) to FSB BLAZE (YD536020) to support Operation KENTUCKY JUMPER.

(46) 22 June: Btry A, 12th Arty ARVN moved by air from FSB CURRAHEE (Y0398949) to PK-17 (YD647285) to support Operation KENTUCKY JUMPER. Btry B, 2d Bn, 320th Arty moved by road from FSB BLAZE (YD536020) to FSB BASTOGNE (YD622098) to continue support of Operation KENTUCKY JUMPER.

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(51) 23 June: Btry A, 2d Bn, 138th Arty moved by road from FSB BIRMINGHAM (YD704101) to FSB SALLY (YD640271) in support of Operation KENTUCKY JUMPER.

(52) 24 June: Camp EVANS (YD64315) received 15-20 RPG rounds. Results: 1 US WHA. Damages: 1 UH-1H helicopter number 567 main rotor-light damage. Operation TENNESSEE PRIDE became ineffective for 2d Bde 0600 hours.

(53) 24 June: FSB BENTONVILLE (YD424012) received 5x122mm rockets. Results: No damages. Btry A, 2d Bn, 319th Arty; Btry B, 2d Bn, 319th Arty; Btry C, 2d Bn, 319th Arty; Btry D, 2d Bn, 11th Arty and Btry E, 2d Bn, 11th Arty fired at suspect location YD850990. LTC Louis C. Friedersdorf assumed command of 2d Bn, 11th Arty.

(54) 25 June: PHU BAI (YD8813) received 1x122mm rocket, Dong Da Training Area received 12x122mm rockets. Results: No damages, 1 US WHA. Btry D, 2d Bn, 138th Arty; Btry B, 2d Bn, 138th Arty and Btry E, 6th Bn, 33d Arty fired at suspect mortar and counter rocket plans. Btry D, 2d Bn, 138th Arty and Btry E, 6th Bn, 33d Arty fired at suspect grids YD845057 and YD845045.

(55) 27 June: Btry A, 11th Arty (ARVN 105mm) moved by air from FSB CAROL (YD64195) to FSB NANCY (YD435395). Unit is no longer in 101st Abn Div AO. Btry D, 2d Bn, 138th Arty moved by road from PHU BAI (YD8813) to FSB TOMAHAWK (ZD117014) and Btry C, 2d Bn, 138th Arty moved by road from FSB TOMAHAWK (ZD117014) to FSB SALLY (YD640271) to continue support of Operation KENTUCKY JUMPER.

(56) 29 June: LTC Thomas H. Spence assumed command of the 4th Bn, 77th Arty.

(57) 1 July: 2d Bn, 319th Arty reported LZ BROWN (YD438967) received two mortar rounds. Both landed outside perimeter, no casualties, no damages. Btry D, 2d Bn, 319th Arty fired 12 HE, 8 WP at suspect mortar location. DIVADGTY S3 cancelled first and last light reconnaissance mission. No further notices.

(58) 2 July: Btry A, 2d Bn, 138th Arty moved by road from FSB BASTOGNE (YD704101) to FSB BIRMINGHAM (YD704101). Operation TENNESSEE PRIDE terminated.

(59) 3 July: FSB SALLY (YD640271) received 2 rounds of small arms fire from 400 meters NE of the perimeter. Flare ship called on station. Infantry swept the area with negative results. No Arty fired. Div CG directed all units maintain Orange Alert until 040600 Jul.

(60) 5 July: FSB SALLY (YD640271) received 2x122mm rockets. Both landed outside perimeter, no casualties, no damages. Btry A, 1st Bn, 40th Arty fired 8 HE at suspect launch site, Grid YD615215. One (1) howitzer of Btry A, 1st Bn, 83d Arty conducted an Arty Raid to fire on special intell tgts of oppor-

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tunity in the western portion of the 3d Bde. The 1st Bn, 33d Arty moved by road from FSB BLAZE (YD536020) to FSB CANNON (YD700000). The 1st Bn, 33d Arty engaged targets, expending 69 rounds. Btry C, 1st Bn, 33d Arty participated in the Arty Raid firing from FSB BLAZE expending 56 rounds. Results: 9 bunkers destroyed. The 1st Bn, 33d Arty moved from FSB CANNON (YD700000) to FSB BLAZE (YD536020). Move due to projected closing of FSB CANNON (YD700000).

(57) 7 July: PHU THI (YD550000) received 4x122mm rockets from the south. Results: 10x122mm rockets from the south. Results: 6th Bn, 33d Arty; Btry C, 2d Bn, 138th Arty; Btry A, 2d Bn, 319th Arty; Btry C, 1st Bn, 321st Arty; and Btry A, 2d Bn, 319th Arty fired counter mortar and counter rocket plans. FSB CURAHEE (YD388000) received 37 mortar rounds. Nine rounds hit FSB CURAHEE, all plotted weapons at YD388000. Btry A, 2d Bn, 319th Arty; Btry C, 1st Bn, 321st Arty; and Btry A, 2d Bn, 319th Arty. Friendly: no casualties or damage. Artillery raid by Btry A, 2d Bn, 319th Arty with 3 tubes moving from FSB CURAHEE (YD388000) by Btry A, 2d Bn, 319th Arty fired 130 HE; Btry C, 1st Bn, 321st Arty on special intell targets. Artillery raid by Btry C, 1st Bn, 321st Arty in the area south of FSB CURAHEE (YD388000). Btry C, 1st Bn, 321st Arty moved 5 tubes by air from FSB CURAHEE (YD388000) to FSB QUICK I (YD906029) and returned. Btry C, 1st Bn, 321st Arty fired 320 rounds of HE at special intell targets. One bunker destroyed, 2 bunkers damaged. The USS MEREDITH (5"/38) reported on 7 July that it fired 124 HE rounds at special intell targets in the following coordinates: YD388000, YD388000, and YD150046. Two bunkers destroyed, 2 bunkers damaged. Btry A, 2d Bn, 319th Arty credited with 1 bunker destroyed, 2 bunkers damaged. Grid YD388000.

(58) 8 July: Btry A, 1st Bn, 321st Arty moved by road from FSB RAKKAS (YD490193) to Camp EVAN (YD493193) to support Operation JUMPER.

(59) 9 July: Btry B, 2d Bn, 320th Arty moved by road from FSB DASTOGNE to FSB BLAZE (YD536020) and changed from OPCON 1st Bn, 321st Arty to OPCON 2d Bn, 319th Arty to support Operation MONTGOMERY BREVETOUS.

(60) 11 July: From 1st Bn, 33d Arty: 1 received 4x122mm rockets. Results: 3 ARVN Btry 138th Arty; Btry C, 2d Bn, 138th Arty; Btry A, 2d Bn, 319th Arty; Btry C, 1st Bn, 321st Arty; and Btry A, 2d Bn, 319th Arty fired counter in defense of Dong Da Training Center.

(61) 21 July: 1st ARVN Advisor reported. Results: No casualties, no damage. Btry A, 2d Bn, 319th Arty; Btry C, 1st Bn, 321st Arty; and Btry A, 2d Bn, 319th Arty.

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138th Arty; Btry B, 6th Bn, 33d Arty; Btry B, 2d Bn, 94th Arty and 4th Bn, 77th Arty fired counter mortar and counter rocket targets in defense of HUE.

(62) 13 July: Btry A, 377th Arty reported LCH received ground fire at grid YD300980. Altitude 400 feet. No damage.

(63) 14 July: 2d Bn, 11th Arty reported PFC D.R. Shuck, at FSB BERCHTESGADEN (YD424012), removed fuze from projectile, the fuze then detonated in his left hand. Fuze lot #JA-1-408-A is being checked to see if defective.

(64) 15 July: FO team with 1st Bn, 3d ARVN reported received mortar fire at 1335 hrs, grid YC334927. Results: 1 US KIA, 3 US WIA. Btry A, 2d Bn, 319th Arty reported VR ship down vic YC3596. FO Lt. Middleton wounded in arm. Extensive damage to aircraft from 20xAK47 rounds. Btry B, 12th Arty (105mm ARVN) moved from FSB SABER (YD897187) to FSB SLEDGE (ZC059928) to support Operation CAMPBELL STREMER.

(65) 16 July: Btry A, 1st Bn, 321st Arty moved by road from Camp EVANS (YD541318) to ROCK CRUSHER (ZD015015) and by air to FSB SLEDGE (ZC059928) to support Operation CAMPBELL STREMER. Btry A, 1st Bn, 83d Arty conducted an Arty Raid (Caisson XLII) firing intell targets and recon by fire missions in the western portion of the 3d Bde AO. The unit moved two howitzers by road from FSB BLAZE (YD536020) to FSB CANNON (YD478029), fired on 10 targets, expending 78 HE rounds and returned to FSB BLAZE (YD536020). TPS-25 Radar moved by air from PANTHER II (YD797109) to Camp EVANS (YD535315) to support Operation KENTUCKY JUMPER.

(66) 17 July: 1st ARVN LNO reported HUE received 3x840 rockets. Results: 1 PF WIA. Btry B, 2d Bn, 94th Arty; Btry C, 2d Bn, 138th Arty and Btry B, 6th Bn, 33d Arty fired in defense of HUE. FSB GERONIMO (YD6912020) received ground and mortar attacks. Friendly: 3 ARVN KIA, 9 ARVN WIA. Enemy: 3 VC KIA, 1 PW, 6 IWC. Btry C, 2d Bn, 138th Arty and 4th Bn, 77th Arty fired in support of FSB SABER. AH-1G from 4th Bn, 77th Arty received ground fire during LZ prep at Grid YD3004. Aircraft hit with 4x50 caliber rounds while flying at 600 ft NW.

(67) 18 July: Btry C, 2d Bn, 138th Arty moved from PHU BAI (YD8813) by road to FSB QUICK I (YD906029) for Arty Raid (Caisson XXXII) and returned to PHU BAI. Fired on 18 targets, expended 325 rounds. MPQ-4 radar moved by air from FSB ROY (ZD059032) to FSB CURRAHEE (YC398949) to support Operation MONTGOMERY RENDEZVOUS. Eagle Base Defense conducted Operational Exercise. ARA, 4th Bn, 77th Arty, launched within two minutes of notification.

(68) 19 July: FSB DTFC reported HUE received 2x122mm rockets. Results: Impact Grid YD788220, no casualties, no damages. Btry B, 6th Bn, 33d Arty; Btry C, 2d Bn, 138th Arty; Btry B, 2d Bn, 94th Arty and 4th Bn, 77th Arty fired countermortar and counterrocket targets and suspect enemy locations in defense of HUE. FSB BIRMINGHAM (YD704101) received 14x82mm mortar rounds; all landed

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outside perimeter; no damages, no casualties. Btry C, 1st Bn, 321st Arty fired at suspect mortar locations: YD700080, YD700064, YD690060 and YD690061. PFC Hawks, Btry B, 2nd Bn, 94th Arty, at FSB CURRANEE (YC39849) picked up a dud 2.75 rocket, it exploded, killing him.

(69) 20 July: Btry B, 2d Bn, 320th Arty fired one round in support of Co C, 2d Bn, 187th Inf that wounded one man with a shell fragment in the upper arm.

(70) 21 July: 1st ARVN reported DONG DA Training Center (vic YD87123) received 6x122mm rockets. Results: Ammunition dump hit and burned, one house destroyed, no casualties. Btry B, 2nd Bn, 94th Arty; Btry A, 2nd Bn, 138th Arty; Btry B, 6th Bn, 33d Arty; and 4th Bn, 77th Arty fired counter mortar and counter rocket targets in support of DONG DA.

(71) 23 July: Div Arty VR ship spotted 1x122mm rocket on ground at Grid YD85102. Fired on target with ARA, 4th Bn, 77th Arty, rocket destroyed.

(72) 24 July: Btry C, 2nd Bn, 11th Arty (3 howitzers) moved from FSB AIRBORNE (YD355071) by air to Camp EVANS (YD535315) to support Operation KENTUCKY JUMPER. FO Team (2nd Bn, 319th Arty) with Company C, 1st Bn, 327th Infantry, reported receiving incoming mortars, Grid YC 307895. 3 FO party members wounded. RTO was MEDEVAC. Btry A, 2nd Bn, 319th Arty expended 56HE in support. Btry C, 2nd Bn, 11th Arty (3 tubes) moved by air from FSB AIRBORNE (YD355071) to Camp EVANS (YD535315) to support Operation MONTGOMERY RENDEZVOUS.

(73) 25 July: Btry A, 2nd Bn, 11th Arty moved by road from Camp EVANS (YD541318) to ROCK CRUSHER (ZD012018) and by air to FSB SLEDGE (ZC059928) to support Operation CAMPBELL STREAMER. Btry C, 2nd Bn, 319th Arty moved by air from FSB AIRBORNE (YD355071) to Camp EVANS (YD535318) to support Operation KENTUCKY JUMPER. A CH-47 dropped a 105mm Howitzer and its "piggy-back" load of ammunition attempting to come out of FSB AIRBORNE (YD355071). Ammunition rolled into trash dump and burned. Howitzer sustained minor damage.

(74) 26 July: FSB AIRBORNE (YD355071) officially closed. NAM HOA and HUE received incoming rockets. NAM HOA: 16 B-40 rockets. Results: 1 truck destroyed, no casualties. HUE: 2x122mm rockets. Results: No casualties, no damages. Btry C, 1st Bn, 321st Arty; Btry A, 2nd Bn, 138th Arty; Btry C, 2nd Bn, 138th Arty; Btry B, 6th Bn, 33d Arty; Btry B, 2nd Bn, 94th Arty and 4th Bn, 77th Arty (ARA) fired cleared color plan targets and suspect rocket launch site targets in support of HUE and NAM HOA. During the firing Btry A, 2nd Bn, 138th Arty fired a round (155mm) while tube was still in loading position. The round went through a bunker of Btry C, 1st Bn, 321st Arty, also located at BIRMINGHAM YD702102, destroying the bunker. No explosion, round not located. No casualties.

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(75) 28 July: Btry A, 1st Bn, 40th Arty moved by road from FSB SALLY (YD 538271) to FSB BIRMINGHAM (YD704101). LTC Edward S. Rasmussen assumed command of 1st Bn, 321st Arty. LTC Richard H. Whittington assumed duties as Ltr Arty S-3.

(76) 29 July: Btry A, 1st Bn, 40th Arty moved from FSB BIRMINGHAM (YD 704101) to FSB BLAZE (YD536020) by road.

(77) 30 July: Btry A, 1st Bn, 40th Arty moved by road from FSB BLAZE (YD 536020) to LZ BROWN (YD432968) to support Operation MONTGOMERY RENDEZVOUS. 3rd Bn, 4th Bn, 77th Arty, had an engine failure NW of FSB SALLY (YD 538271). Forced landing resulted, no casualties. FSB BERCHTESGADEN (YD424012) reported a fire on the FSB, no damage to Artillery.

(78) 30 July: Btry A, 1st Bn, 40th Arty moved from LZ BROWN (YD432968) by road to vic YC323984 in support of 2d Bn, 5th Cav. Btry C, 1st Bn, 321st Arty (4 tubes) moved by road from FSB BIRMINGHAM (YD704101) to Camp EAGLE (YD808163) to fire salute 1 Aug for General Smith.

4. (C) Organizational Structure. See Incl 1

5. (C) The following number of days units engaged in:

a. Training	56
b. Troop movement	46
c. Operations	92

6. (C) Combined US/ARVN operations were conducted during the reporting period. Close coordination and liaison is continually upgrading the operational capability of the 1st ARVN Division Artillery. Currently, Forward Observer teams are being provided the ARVN infantry units to assist in normal artillery missions. In combined operations KENTUCKY JUMPER, MONTGOMERY RENDEZVOUS, and CAMPBELL SWEEPSTRIKE, US and ARVN artillery are collocated at each of two fire support bases and the ARVN and US battery FDC's are collocated in the same bunker. Also, a Quick Fire channel has been opened between a US battalion and one of the ARVN districts.

7. (C) Section 2 Lessons Learned, Commander's Observations, Evaluations, and recommendations:

a. Personnel:

(1) OBSERVATION: That the Aerial Artillery Battalion falls short of the USARV assignment criteria of 25% experienced aviators per unit.

*Conducted concurrently with combat operations.

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(2) EVALUATION: In the Battalion's role of delivering ordnance against the enemy targets, many times extremely close to friendly elements, expert and flying skill are of paramount importance. While engaged in ordnance delivery, the aircraft must be flown with the utmost precision and the pilot's mind must be alert and devoted to the ever changing tactical situation. If aviators are not experienced, they must devote their minds to flying the aircraft and as a result, the monitoring of the tactical situation deteriorates. The initial period of training, from arrival until attaining the desired experience level, is characterized by firing incidents and aircraft accidents due to the lack of experienced personnel who fill the cockpits.

(3) RECOMMENDATION: That the input to AH-1G transition courses should include a minimum of 50% experienced pilots. Ideally 100% RVN experienced personnel should attend AH-1G transition courses.

b. Operations:

(1) (a) OBSERVATION: The space provided for an artillery battery on a hilltop fire support base (FSB) often is not sufficient for the positioning of six 155mm howitzers.

(b) EVALUATION: When a howitzer section is left in a rear area due to lack of space on a FSB, the section is not being fully utilized and often is not efficiently supervised. If the personnel are retained on the FSB with their howitzers in the rear, the section integrity and teamwork is lost and the tendency is to distribute the section personnel amongst the other sections on the FSB. Additionally, when a howitzer and its section personnel are separated, maintenance of the piece suffers.

(c) RECOMMENDATIONS: That one howitzer section complete (personnel and howitzer) be rotated from the FSB periodically and replaced by the howitzer section located in the rear.

(2) (a) OBSERVATION: On 17 May 1969, 2d Bn, 319th Arty fired chemical shell CS on grid YD326985. All data was computed for an adjustment with HE. When CS was fired the first 2 volleys missed the target completely.

(b) EVALUATION: Due to the difference in lot and weight of projectile (CS and HE) steps listed below should be used. If not, then CS should be used in adjustment and in fire for effect.

(c) RECOMMENDATION: Recommend that when CS is to be used in fire for effect missions and HE is being used in the adjustment, that one check round of CS be fired before fire for effect is called to assure complete accuracy.

(3) (a) OBSERVATION: In some areas there is a lack of natural registration points.

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(b) EVALUATION: Due to the canopy, steep terrain, inaccuracy of plotted trails and size of stream intersections, a lack of suitable registration points exists.

(c) RECOMMENDATION: That car bodies or some other well defined object be placed in a suitable area, be surveyed in, and be used as registration points. A survey program to establish registration points is being instituted by Division Artillery.

(4) The MOUNTAIN MET.

(a) OBSERVATION: Utilization of a mountain Met message becomes progressively more important as the difference in height (dh) between the met station and the battery altitude increases beyond 300 meters.

(b) EVALUATION: Table D in the tabular firing tables is based upon the assumption that a standard temperature and density lapse rate exist in the atmosphere. This assumption does not introduce an appreciable error into the gunnery problem until dh becomes greater than 300 meters. If a visual met station with a capability to measure surface temperature and pressure (density derived) was positioned in mountainous areas, then a correlation could be conducted at the weather station. Consequently a more correct density and temperature could be predicted for the mountainous area. This technique proved very successful at FSB SLEDGE (ZC060925).

(c) RECOMMENDATION: That visual met stations be habitually positioned with artillery units that occupy fire support bases that introduced a dh greater than 300 meters.

(5) Co-locating ARVN and US Fire Direction Centers.

(a) OBSERVATION: Co-locating ARVN and US fire direction centers provides centralized control, more flexibility and more responsive artillery fire in an area of operations.

(b) EVALUATION: When operating in a large AO it is difficult to maintain centralized control of the artillery available. At the present time the 2d Brigade AO extends approximately 100km from northwest to southeast. Operation CAMPBELL STREAMER is being conducted in the southern portion of the AO with five infantry battalions (3 US and 2 ARVN). Three 105 batteries (2 US and 1 ARVN) two 155mm batteries and one 8" battery are available to support the operation. With only three close support batteries available to support five battalions, it is necessary to maintain centralized control, yet with such a large AO it is not feasible to displace the Battalion CP. The ARVN 105mm battery and one US 105mm battery were positioned on the same firebase and the battery FDC's were co-located. Control of all artillery available to support the operation was maintained by moving a battalion jump FDC to the firebase. The jump FDC conducted tactical fire directions while the parent

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units of the batteries checked firing data. This arrangement has provided responsive artillery of all calibers to all maneuver elements. Both US and ARVN artillery are responsive to either US or ARVN maneuver elements. A major advantage is that all artillery can be adjusted by either US or ARVN forward observers. Although US forward observers are provided to ARVN maneuver elements.

(c) RECOMMENDATION: That US and ARVN FDC's be co-located when possible.

c. Training:

(1) OBSERVATION: The liaison sergeant is often required to take charge of the liaison section and its duties whenever the liaison officer is absent. As such, he is required to know the duties and procedures which are inherent to the task.

(2) EVALUATION: Division Artillery conducts a liaison officer course on an irregular schedule. This course covers the duties of the LNO and is highlighted with live demonstrations.

(3) RECOMMENDATION: That NCO's who are or will be working in liaison sections be given the opportunity to attend the Division Artillery Liaison Officers Course. (This training is being instituted by Division Artillery).

d. Intelligence: None

e. Logistics:

(1) (a) OBSERVATION: That the sensor amplifier of the Stability Control Augmentation System (SCAS) in the AH-1G attack helicopter created availability problems.

(b) EVALUATION: During this past quarter, the Aerial Artillery has experienced failure of four sensor amplifier units. This required retrograde of the unit to COMUS for repair and return to this Battalion. To date, none of these sensor amplifier units have been returned, even though more than sixty days have elapsed. The AH-1G is not a stable weapons platform capable of giving direct fire support close to friendly elements when the sensor amplifier is not installed. At the present time sensor amplifier units are being changed from one aircraft to another in order to maintain maximum flyable aircraft in a mission ready status.

(c) RECOMMENDATION: That maintenance float sensor amplifier units be maintained at DS Maintenance Company level or at the TC Detachment level to provide optimum aircraft availability.

f. Organization: See Incl 1.

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AVDG-DAG

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SUBJECT: Operational Report - Lessons Learned 1 May 1969 - 31 July 1969

g. Escape, Evasion and Survival: None

h. Other: None

1 Incl
(Organizational Structure) to
Operational Report-Lessons
Learned, 1 May 1969-31 July 1969

Howard M. Moore
HOWARD M. MOORE
Colonel, FA
Commanding

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- 1 - HHC, 101st Abn Div Arty
- 1 - S1, 101st Abn Div Arty
- 1 - S2, 101st Abn Div Arty
- 10 - S3, 101st Abn Div Arty
- 1 - S4, 101st Abn Div Arty (File)
- 1 - S4, 101st Abn Div Arty
- 1 - FSCB, 101st Abn Div Arty
- 4 - 2d Bn, 319th Abn Arty
- 1 - 2d Bn, 320th Abn Arty
- 4 - 1st Bn, 321st Abn Arty
- 4 - 2d Bn, 11th Arty
- 4 - 4th Bn, 77th Arty (ARA)
- 1 - CO, 2d Bn, 138th Arty
- 1 - CO, 1st Bn, 83d Arty
- 1 - CO, 6th Bn, 33d Arty
- 1 - CO, 1st Bn, 44th Arty (AW)
- 1 - CO, 2d Bn, 94th Arty
- 1 - CO, 1st Bn, 40th Arty

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AVDG-GC-H (9 Aug 69) 1st Ind

SUBJECT: ORLL of 101st Airborne Division Artillery for Period Ending
31 July 1969 (U)

DA, HQ, 101st Airborne Division (Airmobile), APO San Francisco 96383
29 Aug 69

TO: Commanding General, XXIV Corps, ATTN: AVH-GCT, APO 96308

The ORLL for the 101st Airborne Division Artillery has been reviewed and the following comments are submitted:

Section II: (C) Lessons Learned.

Para 7a: Personnel.

Para 7a(1): Concur (G1). a. Comments concerning personnel contained in paragraph 7a, basic document, are substantially correct but need amplification for clarity.

b. The term "experienced aviators" is defined by the Commanding Officer, 4th Battalion, 77th Artillery, as an aviator serving his second or subsequent tour in Vietnam. The number of hours flown, type aircraft, duty position, or other factors are not considered in this classification.

c. The 4th Battalion, 77th Artillery has 102 aviators assigned and of this number 21 (20.6%) are experienced. Seventy, of the 102 (69%) aviators assigned are AH-1G qualified and 20 (28.6%) of these 70 aviators are experienced.

d. Thirty-five aviators have been sent by the 4th Battalion, 77th Artillery to Vung Tau for AH-1G qualification. Of these 35, 13 (37%) are experienced aviators. The other 35 AH-1G aviators arrived from CONUS school trained in the AH-1G, and 7 (20%) of these 35 are experienced aviators.

e. There is a total of 21 experienced aviators in the 4th Battalion, 77th Artillery, and all but one are AH-1G qualified. The significant statistics are recapitulated below:

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AVDG-GC-H

29 August 1969

**SUBJECT: ORLL of 101st Airborne Division Artillery for Period Ending
31 July 1969 (U)**

**AVIATOR STATUS 4TH BN (ARA), 77TH
ARTILLERY**

<u>Aviators Assigned</u>	<u>AH-1G Qualified</u>	<u>Experienced Aviators</u>	<u>Experienced AH-1G Aviators</u>
103	70 (69%)	21 (20.6%)	20 (28.6%)

f. The 4th Battalion, 77th Artillery has approximately the same experience level as the 2/17th Cavalry and D Company of the 101st and 158th AHB's. In Cobra qualified personnel, the USARV goal of 25% experienced aviators is exceeded.

Para 7b: Operations.

Para 7b(1): Concur (G3). Space on a fire base is frequently critical due to terrain and other considerations. Internal rotation is a good concept. No action needed by this headquarters.

Para 7b(2): Concur (Chemical Officer).

Para 7b(3): Concur (G3).

Para 7b(4): Nonconcur (Weather Detachment). The division presently has twelve (12) Air Force trained weather observers, who are operating various weather stations throughout the area of operations. Location 6, 5th Weather Squadron currently maintains a sufficient number of weather stations at various altitudes in the area of operations from which the artillery unit can obtain data.

Para 7b(5): Concur (G3). It is the policy of this division that operations will be combined and in close coordination with ARVN forces. The co-location of headquarters and FDC's assists greatly in control and coordination.

Para 7c(1): Training: Concur (G3). No further action necessary.

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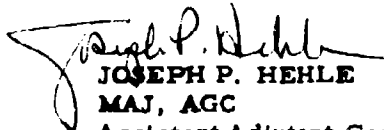
AVDG-GC-H

29 August 1969

**SUBJECT: ORLL of 101st Airborne Division Artillery for Period Ending
31 July 1969 (U)**

Para 7e(1): Logistics: Concur (G4).

FOR THE COMMANDER:


JOSEPH P. HEHLE
MAJ, AGC
Assistant Adjutant General

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AVILGCT (9 Aug 69) 2nd Ind
SUBJECT: Operational Report of 101st Airborne Division Artillery for Period
Ending 31 July 1969, RCS CSFOR (R1) (U)

MAJ Markl/jpg/250

DA, Headquarters, XXIV Corps, APO SF 96308 5 SEP 1969

TO: Commanding General, United States Army, Vietnam, APO SF 96375

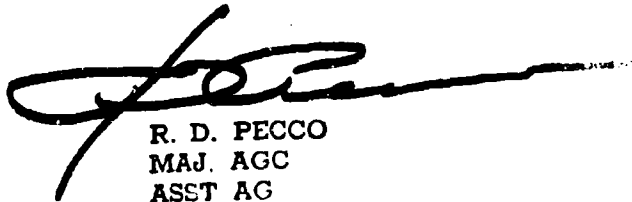
1. The ORLL of 101st Airborne Division Artillery has been reviewed at HQ, XXIV Corps and is forwarded in accordance with USARV Reg 525-15.

2. Except as noted below, Concur with the report as indorsed by 101st Airborne Division (AM).

a. Reference item concerning personnel, section II, page 15, paragraph 7a; Concur. Recommend the reporting unit's recommendation concerning the input of a minimum of 50% experienced pilots be forwarded to the appropriate office in DA for consideration.

b. Reference item concerning firing of chemical shell, section II, page 16, paragraph 2b(2) Nonconcur. FT 105-H-6, provisional supplement number 1, Nov 67, outlines the procedures to be used when firing cartridge, tactical CS, IM629.

FOR THE COMMANDER:



R. D. PECCO
MAJ. AGC
ASST AG

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AVHGC-DST (9 Aug 69) 3d Ind
SUBJECT: Operational Report-Lessons Learned
1 May 1969 - 31 July 1969

6 OCT 1969

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco 96375

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT,
APO 96558

1. (U) This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 July 1969 from Headquarters, 101st Airborne Division Artillery.

2. (U) Comments follow:

a. (C) Reference item concerning "Personnel," section II, page 15, paragraph 7a; nonconcur.

(1) An examination of the experience level of AH-1G aviators assigned to the 101st Airborne Division (AM) as of 1 September 1969, revealed that of the 202 AH-1G qualified aviators assigned, a total of 51 are presently serving a second tour in RVN. This gives an overall experience factor of 25.2 percent, slightly above the DA objective of 25 percent experienced aviators for RVN as a whole, as well as for this particular aircraft. The assignment of AH-1G aviators to subordinate units (Div Arty) within the 101st Airborne Division (AM) is controlled internally. Approximately 20 percent of the assigned aviators in USAFV are serving a second tour in RVN.

(2) To raise the experience level in Cobra units would require the reduction of experience levels in other aviation units, or an increase of the DA objective of 25 percent. An increase in the DA objective would shorten the turn-around time between tours for all aviators. Due to the shortage of aviators, an increased experience level for aviation units is not feasible at this time.

b. (U) Reference item concerning "Mountain Met," section II, page 17, paragraph 7b(4), and 1st indorsement, paragraph 7b(4); nonconcur. Air Force weather stations do not provide artillery units with the necessary information to compute metro corrections for artillery firing data. Visual metro stations enable artillery units to obtain this data in areas where there is a difference in altitude of over 300 meters between the battery and the metro station.

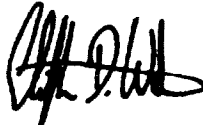
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AVHGC-DST (9 Aug 69) 3d Ind
SUBJECT: Operational Report-Lessons Learned
1 May 1969 - 31 July 1969

c. (C) Reference item concerning "Logistics," section 11, page 18, paragraph 7e; concur. The unit is advised to submit a request to change the SCAS float authorization IAW USARV message 42722, dated 21 June 1969, subject: Change in Avionic Float Requisitioning Procedures.

FOR THE COMMANDER:



C. D. WILSON
1LT, AGC
Assistant Adjutant General

Cy furn:
101st Abn Div Arty
XXIV Corps

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1
FROM: (S) HQ, CP) Att. Incl
SUBJECT: Operational Report of HQ, 101st Airborne Division
Activity for Period Ending 31 July 1969, RCS
OFFOR-65 (R1)

HQ, US Army, Pacific, APO San Francisco 96558 30 OCT 69

TO: Assistant Chief of Staff for Force Development, Department
of the Army, Washington, D. C. 20310

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:


C. L. SHORTT
CPT, AGC
Asst AG

UNCLASSIFIED

Security Classification

DOCUMENT CONTROL DATA - R & D		
(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)		
1. ORIGINATING ACTIVITY (Corporate author)		2a. REPORT SECURITY CLASSIFICATION
HQ, OACSFOR, DA, Washington, D.C. 20310		CONFIDENTIAL
		2b. GROUP
		4
3. REPORT TITLE		
Operational Report - Lessons Learned, HQ, 101st Airborne Division Artillery		
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)		
Experiences of unit engaged in counterinsurgency operations, 1 May 69 - 31 July 69.		
5. AUTHOR(S) (First name, middle initial, last name)		
CO, 101st Airborne Division Artillery		
6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
9 August 1969	29	
8a. CONTRACT OR GRANT NO.	8b. ORIGINATOR'S REPORT NUMBER(S)	
b. PROJECT NO	693212	
c.		
d.	8c. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)	
10. DISTRIBUTION STATEMENT		
11. SUPPLEMENTARY NOTES	12. SPONSORING MILITARY ACTIVITY	
N/A	OACSFOR, DA, Washington, D.C. 20310	
13. ABSTRACT		