

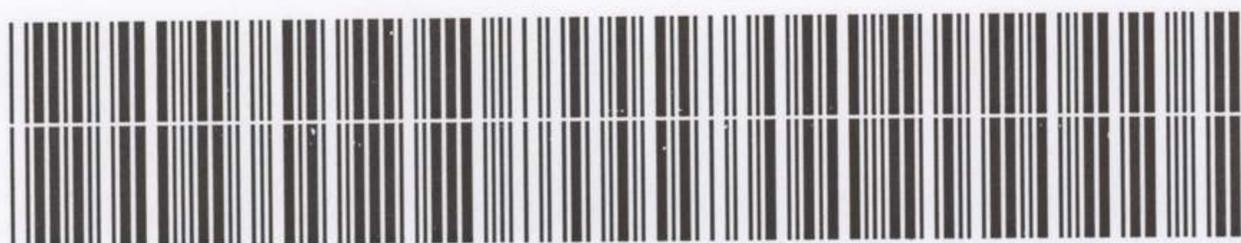
AWM4
Australian Imperial Force unit war diaries,
1914-18 War

Artillery

Item number: 13/14/26 Part 3

Title: Headquarters, 5th Australian
Divisional Artillery

March 1918



AWM4-13/14/26PART3

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

From 6 a.m. 11th March - to - 6 a.m. 12th March, '18.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. A special programme of fire was carried out by the Right and Centre Groups supported by Heavy Artillery, 1 Battery 3rd Divn. Artillery, 9.45" H.T.M. and 6" Newton Mortars at 10.30 pm in support of two raids carried out simultaneously by 15th Infantry Brigade. Our Right Group supported by 1 Battery 3rd Divl Artillery opened up heavy fire at Zero hour 10.30 pm on a point in enemy's line where FIBONDELLE Rd crosses enemy's front line trench at U.6.c.05.95. At Zero plus 2 a box barrage was formed around this point and hostile trench mortars and centres of activity in vicinity subjected to heavy bombardment throughout the raid. Firing ceased at 10.46 pm when raiding party returned; 3 prisoners being reported.

The raid carried out by 59th Battn supported by our Centre Group Artillery, 6-6" Howitzers, 1-6" H.T.M. and 1 9.45" H.T.M., was on enemy strong point at O.29.a.95.25. Heavy fire being opened up on this point at Zero hour 10.30 pm till 10.32 pm when a Box Barrage was formed and fire continued until 10.53 pm when raiding party reported "all back". Three prisoners were captured and no casualties were sustained by our party.

Throughout the operation Hostile T.M's in vicinity were subjected to heavy neutralizing fire and centres of activity, occupied Pill-boxes and tracks in O.30., O.29 and O.23.d., kept under heavy annihilating fire.

In support of these operations and as a diversion our Left Group carried out a "Chinese Attack" on FLY Blds at O.35.b.70.95.

Between 11 pm and 12.45 am bursts of fire were put over on O.29.a.95.25 at the point where raid had been carried out at 10.30 pm in order to catch any enemy wiring parties who might be repairing damage done.

At 8 pm our Right Group supported by 6" Howitzers carried out an annihilating shoot on Hostile Trench Mortars in vicinity KIWI and ANGLE Farms, DATUM HOUSE O.36.d., KINGS-CLERIC and known positions in U.6.c & U.12.a.b. & c.

Throughout the day Calibrations were checked and Registrations carried out on Datum points and S.O.S. lines

At 11.30 am a wire cutting shoot was carried out on enemy wire at O.35.d.73.80 - O.35.d.65.90 and O.36.a.14.00 - O.36.a.08.18, also at O.36.a.15.10 to O.36.a.10.15 at 5 pm with good effect, some 106 fuzes being used. Wire in front of JULY Em O.23.d., was also cut.

Throughout the day hostile working parties and enemy movement was observed and engaged as follows:- Between 1.25 pm and 6 pm movement observed in vicinity CODE Em O.23.d., SQUARE Em O.30.b., PILL HOUSE O.18.a., PAT Em O.18.b., Lock No.4. P.13.a., P.14.a.65.50 and P.13.b., were successfully engaged, parties being dispersed.

At 11.40 pm 30 rounds were fired on LAKE Em in anticipation of hostile action in this vicinity.

Apr. 12.

OPERATIONS Continued.

At irregular intervals throughout the night Hostile T.M's in vicinity U.6.b., U.12.b., & KINGSCLEERE, KIWI and ANGLE Farms were engaged and silenced.

M.T.M. Our M.T.M.B. fired some 40 rounds on enemy's wire at 0.36.a.20.10 and 0.36.a.10.95. At 10.30 pm 30 rounds were fired over on BUNK Em 0.29.b.10.90. All bombs appearing to detonate well.

In retaliation for our operations at 10.30 pm enemy opened up a heavy barrage on front line and supports (Right Group) lasting until 11 pm.

2. IDENTIFICATIONS. Normal.

3. HOSTILE SHELLING. Enemy's Artillery was again very active throughout the period. RAVINE Wood 0.27.c & d., STEIGNAST Em U.5.a., MESSINES Ridge and U.7 to U.13 being very heavily shelled repeatedly throughout the day. Principal calibres being 77 m.m., 4.2., 5.9., and some 8", H.E. & Gas.
SOME TABLE HOSTILE SHELLING.

4. ENEMY'S ATTITUDE. Enemy's Artillery still continues very active. Certain areas in each Group Sector being heavily shelled repeatedly. The shelling on our Right Group being unusually severe and confined to particular spots. A good deal of Blue Cross Gas is being used. Enemy appears to have discontinued indiscriminate scattering of rounds over large areas and confines himself to special localities. Enemy has opened up his wire in front of LAKE Em 0.24.c. It is possible some hostile action is intended.

5. ENEMY DISCRENCIES. Nil.

6. HOSTILE AERIAL ACTIVITY. Enemy Aircraft were active throughout the day. At 6.30 am one hostile plane crossed our line but was driven off by A.A. and H.G. fire. 7 am one large plane observed flying over our Right Sector in direction of WARMINGTON from KIMMEL. 2 pm Enemy planes flying in N.E. direction were driven off by A.A. & H.G. fire.

7. MOVEMENT & ORGANISATION, etc. Movement observed in vicinity P.19.b., Lock 4, O.18.b., and working parties throughout the day in vicinity SQUARE, CODE, RIFLE, JULY & LAKE Farms. SQUARE Em continues to be centre of much activity; enemy parties continually going in and out of it. HLY. Bldg is being used as an O.P. Some new constructional work is observed in KIWI Em probably effected during fog of last few days.

8. ARMS & EQUIPMENT. Nil.

9. MATTERS OF GENERAL INTEREST. Hostile 4.2 How. Battery observed firing at T.B. 84°20' from 0.28.a.35.05. Visibility poor during morning but much improved throughout afternoon.

J. J. Director

Lieut,

for Reconnaissance Officer,
5th Australian Divisional Artillery,

H.Q., 12/18

H O S T I L E S H E L L I N G.

Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Left Group.						
6.10 am	50	8" H.E.	T.18			
8.10 to 8.25 am	60	77 & 4.2.	U.8.a.			
8.45 to 9.50 am	20	4.2	STEIGNAST Fm U.8.a.	90° R of COMINES Ch.	0.33.o.40.45	
9 to 10.55 am	20	4.2	BETHLEHEM Fm U.2.c. & U.3.c.			
10.10 to 10.55 am	200	4.2 & 77	MESSINES Rd (03.30) light Raily			H.E. & Gas
1.15 to 1.45 pm		5.9 & 4.2	U.9.b.75.80			20% duds
2.5 to 4 pm	130	5.9	U.7.o & d. U.13.a & b. 0.36.a.	120 & 180° R COMINES Ch.	0.33.o.40.45	
7 to 7.45 pm	30		0.34.o & d			
8 to 8.15 pm		4.2 & 5.9	FANNYS C.T.			
Centre Grtup.						
11.55 am to 12 nn	50	4.2 & 5.9	KILO Fm 0.33.o.	WERVIOQ	0.28.a.35.05	
10.45 to 11 am	100	77 & 4.2	Gun 0.27.o & d	930	0.28.o.25.95	
11 am to 1 pm	Heavy	4.2 & 5.9	MESSINES.			
Left Group.						
11.10 pm 11.36pm	100	5.9	RAVINE Wood	COMINES		Gas & H.E. Counter Batteries informed 11.30 pm
11 to 11.50 pm	100	4.2	0.7.a & 0.14.b	From E		Lachrymatory & Gas. Counter Batteries informed 11.30 pm
3.45 pm		5.9	0.17.a	109° Grid	0.11.a.30.38	
3.40 pm		4.2 How	MOSE Wd	106° "	0.10.d.90.90	
		4.2	Gun flash	P.15.d.20.40	0.11.a.30.38	
8 pm to 8.30 pm		4.2 & 5.9	0.11.a	Flashes observed 79° & 92° Grid		C.B. informed 8 pm

Enemy's T.M's were active between 6 & 7 am, 10 & 10.30 am, & 2 & 3 am on front line of our Right Group Sector.

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S E C R E T.

Copy No. 17

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER NO. 172.

Headquarters,
13th March, 1918.

Reference Maps 1-10,000 KORTENWILDE and BAS-WARNETON.

1. Raids will be carried out on the night 13th/14th March, 1918, as under by the 15th Australian Infantry Brigade:-
 - (a) By the 58th Battalion, Australian Infantry,
 - (i) Front line trench between 0.35.d.81.80 and 0.35.d.75.99 & ground beyond for about 50 yards.
 - (ii) Second line of trenches in front of DATUM HOUSE between 0.36.c.15.98 and 0.36.a.20.20.
 - (iii) DATUM HOUSE Pill-box.
 - (b) By the 60th Battalion, Australian Infantry, Objectives - JULY FARM and RIBLE FARM.
2. C.O. MESSINES Group will arrange the Field Artillery programme for para 1 (a). The 2nd Australian Divisional Artillery are assisting with 1-18 pr. Battery. Details of Support required will be arranged by C.O. MESSINES Group with C.O. LEFT GROUP, 2nd Australian Divisional Artillery.
C.O. COSTAVERNE Group will arrange the Field Artillery programme for para 1 (b).
3. C.O.'s MESSINES and COSTAVERNE Groups will forward their programmes to this office for approval by the C.R.A.
4. The 2nd Australian Divisional Artillery are making a diversion in U.11.d & U.17.b at ZERO HOUR.
5. Counter Battery and Heavy Artillery Support has been arranged and will be given by the AUSTRALIAN CORPS HEAVY ARTILLERY.
6. Times will be synchronised under arrangements to be made by this office.
7. The 8th Australian Infantry Brigade will relieve the 15th Australian Infantry Brigade in the Right Brigade Sector during the night March 15th/16th.
8. ACKNOWLEDGE by wire.

H. Stilton

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 11.50 a.m. to :-	Copy No.		Copy No.
MESSINES Group.	1.	C.R.S.O. (thro' A.C.H.A.)	12.
COSTAVERNE Group.	2.	14th. A.I. Brigade.	13.
HOLLBRINKS Group.	3.	15th. A.I. Brigade.	14.
C.O., LEFT Group, 2nd.A.D.A.	4.	R.O.	15.
D.T.H.O. 5th. Aust. Divn.	5.	File.	16.
2nd. Aust. Div. Arty.	6.	War Diary.	17 - 19.
1st. Aust. Div. Arty.	7.	Staff Captain.	20.
"GW" 5th. Aust. Divn.	8.	6th. (Army) Aust. F.A. Bde.	21.
"Q" 5th. " "	9.	"Q" AUSTRALIAN CORPS.	22.
R.A. AUSTRALIAN CORPS.	10.	SIGNALS, 5th. D.A.H.Q.	23.
E.A. AUSTRALIAN CORPS.	11.		

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 12th March - to - 6 a.m. 13th March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. In anticipation of enemy Divisional relief in front of our Right and Centre Groups Sectors, our Artillery, in conjunction with Heavy Artillery, carried out annihilating shoots at irregular intervals between 1 a.m. and 4 a.m. Bursts of fire being put over on all regular roads, tracks, centres of activity, strong points, suspected "H.Q.'s" and ~~MILITARY~~ emplacements. Principal areas being F.L.T., U.5.d.98.72 to U.6.c.20.85, UNABLE TRENCH, T.M's in KIWI, KINGSLEIGH and U.6.d, tracks in O.24.a.b.c.& d., O.23., O.29., O.30., PILLIGRAMS, RIFLE, SQUARE, SALMON and LAKE farms also huts in P.20.a.1.1.

Hostile T.M's repeatedly active throughout the night in O.36.a.3.2., U.12.c.05.75., U.12.b.68.92., KIWI O.36.c., U.6.b.2.3., ANGLE Em O.36.a., KINGSLEIGH, RIFLE Em O.23.d., and suspected positions in vicinity O.30.a.05.48 approx were submitted to bursts of fire at frequent intervals throughout the period. Hostile working parties and enemy movements were observed as follows:- 7.30 am working party at O.18.c.85.65. 7.45 am P.18.a.80.50 and between 1 pm and 6 pm movement observed in vicinity PAT Em O.18.b., P.19.a.80.50., P.19.b., O.18.c., P.13.d.05.10., P.7.c.38.08., CODE Em O.23.d., PILL Em O.24.a., FLY Blds O.23.b and PONT MAHLET P.31.b was fired on and hostile parties dispersed.

Wire cutting was continued on enemy wire in front of FLY Blds and BEE Em O.23.b., RIFLE Em O.23.d., and DATUM HOUSE O.36.a.1.1 with very good effect.

Registrations were very satisfactorily carried out on DATUM HOUSE and enemy's front line trench where it crosses CINEMA Rd in O.35.b & d, in addition usual Calibrations were checked and an instructional shoot effected on Lock 4 O.13.a and camouflaged dug-out at TRIO Em O.18.d.

2. IDENTIFICATIONS. Nil.

3. HOSTILE SHELLING. Enemy's Artillery still continues active on our Right and Left Groups forward areas principally front line and support system and in O.27 and O.28. Principal calibres being 77 m.m., 4.2 and 5.9 Hobs. Gas and H.E. being used.

See TABLE OF HOSTILE SHELLING.

Enemy's T.M's still continue very active firing on our Right Sector front line at irregular intervals throughout the night.

4. ENEMY'S ATTITUDE. Artillery still continues active but shows a slight decrease for last twenty-four hours. Shelling still confined to forward areas principally on Right and Left Sector fronts.

5. ENEMY DEFENCES. Nil.

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6. **HOSTILE AERIAL ACTIVITY.** Normal. One enemy plane crossed our line at 8.30 am but was driven off by A.A. fire. At 4 pm an enemy balloon broke loose and floated over our lines going in Westerly direction. Our planes set fire to it at 4.20 pm and it fell in vicinity of N.28.c.2.8 where R.F.C. took charge of it.
7. **MOVEMENT AND ORGANISATION.** Hostile parties observed in POINT MAHLET, BEE, CODE, PILL and SQUARE Farms 0.18., PAT Em and P.19., 13 and P 7 throughout the day.
8. **ARMS AND EQUIPMENT.** Nil.
9. **MATTERS OF GENERAL INTEREST.** A smoke screen was observed at T.B. 95° from 0.28.c.25:05. Hostile 77 m.m. Battery fired behind this screen. Fire started 1° 30' L of DATUM HOUSE, observed from 0.33.a.45.28 by Heavies at 3.40 pm. Fire observed 1° 30' L of WERVICQ at 3.55 pm. Enemy has carried out further construction work on KIWI.

Visibility poor during morning owing to ground mist, improved during afternoon.

J. M. Drunter Lieut,
for Reconnaissance Officer,
5th Australian Divisional Artillery.

H.Q., 13th March, 1918.

HOSTILE SHELLING.

Time	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Left Group.						
9 to 9.15 am		4.2.	0.33.d HUNS WALK	12° & 15°	0.33.o.50.45	
9.40 am	60	4.2	U.10.b.& d	M.B. 115° & 132°	0.33.a.45.25	
"	55	77 mm	U.3.o & d	"	"	
10.45 am	50	77 mm	STEIGNAST Fm U.5.a.M.B.115°	"	"	
10.47 am	12	77	U.8.d.			Gas
11.15 am	30	77	U.1.b.			
11.20 am-1.5 pm	30	5.9 How	MESSINES & U.1.d	M.B. 102°	"	
12.45 pm	20	4.2 "	U.4.c & U.2.d.	M.B. 105° & 106°	"	
2 to 2.30 pm		4.2	0.33.o.90.15			
5.30 to 6.30 pm	20	4.2 How	0.34.d.			
6.45 to 6.50 pm		5.9 "	0.28.d.			
7.20 pm	8	4.2	0.34.o & d			
8.2 to 8.16 pm	4	5.9	0.28.d.			
9.55 pm	4	5.9	0.28.d.			
Centre Group.						
11.20 am	20	4.2 gun	0.27.b & 0.28.o.	COMINES	0.27.b.80.05	
3.50 pm	30	4.2 "	0.27.b	"	"	
2 pm		Min'r	0.22.b & d.	Loc. at 0.24.a.5.2.	WALL Fm	
3.30 pm		77 mm	WYTSCHAETE 0.19.			
3 pm	6	4.2	KILO Fm		0.20.o.25.95.	
Right Group.						
12 pm	30	4.2	0.8 & 0.9.d.		0.8.d.65.80	
6.45 pm-7.15 pm	20	5.9	Rd in 0.8.b.		0.8.b.03.70	
10.45 pm	100	4.2	0.14.b.		0.24.b.20.85	
4.25 pm		4.2		P.27.d.90.50	0.11.a.30.38	Firing from Trench
4.45 pm		5.9		102° 30' GRID	"	Empts
1 pm			Flash observed		"	Heavies engaged
						gun at 1.30 pm
3.45 pm			Smoke screen	P.19.b.20.00	0.10.d.85.80	
"			Flash behind screen	122° 10' GRID	"	
5.20 pm		77	Firing behind screen	100-122° "	"	

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 13th March - to - 6 a.m. 14th March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. Our Artillery, supported by Australian Corps Heavy Artillery, 1 Battery 2nd Australian Divisional Artillery, 1 Battery 9.45" H.T.M. and 1-6" H.T.M. Battery carried out operations in support of the raids successfully accomplished by the 15th Infantry Brigade at 3.30 am this morning. The Right Group supporting 58th Batta had for their objective Enemy's front line trench each side of CINOMA Rd in 0.35.d, support trench in 0.36.a and DATUI HOUSE. All objectives being gained. At 3.30 a.m. heavy bombardments were opened up on enemy's front line trench until 3.32 am when box barrages were formed around DATUI HOUSE in four phases.

Hostile T.M's and H.G's in vicinity were subjected to neutralizing fire and all strong points and centres of activity kept under heavy annihilating fire throughout the operation. This was successfully completed at 4.19 am when our party were reported all back. Two prisoners were captured, our casualties being very slight.

The two raids carried out simultaneously by 60th Batta had for their objectives JULY and RIFLE Farms. These were supported by our Centre Group Artillery together with Australian Corps H.A. and 1 H.T.M. Battery. At Zero hour 3.30 am heavy bombardments were opened up on these points until 3.32 am when a box barrage was formed around these farms and hostile T.M's and H.G. in vicinity subjected to neutralizing fire and all strong points and centres of activity kept under heavy bombardment throughout the operation. Firing was discontinued at 4.19 am when all was reported quiet. In support of this action a "Chinese attack" was carried out on FLY Blds 0.25.b., by our Left Group.

Between 4 am and 6 am bursts of fire were put over on raided areas in order to catch any hostile parties who might be attempting to repair damage done.

Throughout the period hostile T.M's in vicinity of U.12.c.05.75, U.6.c.4.4., 0.36.c vicinity of KIWI Fm, ANGLE Fm 0.36.a., RILLEGRAMS Fm 0.24.a and PULP Fm 0.12.b were submitted to bursts of fire at irregular intervals. Wire cutting was successfully carried out on 0.36.a.10.10 and 0.29.a.95.99 and in front of JULY and RIFLE Farms in 0.23.d.

Between midnight and 3 am bursts of fire were put over on enemy's trench and wire in U.6.a.15.00 to 0.36.c. 20.00 and again between 4 am and 6 am. Areas in front of our Right Group Sector were also swept with bursts of fire between midnight and 6 am in anticipation of an enemy raid.

Throughout the day hostile movement was observed in vicinity CODIE LAKE, SQUARE Farms 0.23.d., 0.30.b., and 0.24.c., and successfully engaged. Enemy movement was also observed in P.19.a.70.50, HOLLIBREE HILL P.13.b., P.13.d.10.25., P.19.a.70.80 and P.19.c.10.50 at repeated intervals throughout the day and engaged by our Artillery and successfully dispersed. In addition at 3 pm a

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wiring party observed in vicinity BOMB Em 0.18.c was effectively fired on.

Zero lines were checked during the day and Instructional shoots carried out on LOCK No. 4 P. 13.a., POLL HOUSE 0.18.a., PAT & SPUD Farms 0.18.b and FORT Bldg 0.18.d between 4 pm and 6 pm.

Between 6 pm and 7 pm bursts of fire were put over on H.G. active near FLY Bldg and at request of Infantry some 48 rounds were fired on active H.G. in BEE Em at 7.15 pm.

Scheme X was carried out on hostile T.M's in vicinity U.6., U.12.c., 0.36., at 8.10 pm.

Hotchkiss. Our M.T.H.B. engaged H.G. at BEEK Em 0.29.b.10.90 at 5.20 pm with very good results, several direct hits being obtained on cupola under which H.G. is reported to be.

2. IDENTIFICATIONS. Normal.

3. HOSTILE SHELLING. Enemy artillery were more active than usual on our Right Group Sector, Shelling on Centre and Left Sectors continues about normal. The retaliation to our operations at 3-30 a.m. was very slight, enemy shelled front line and vicinity of MESSINES Ridge lightly. Practically no retaliation on Centre and Left Sectors.
see Table of Hostile Shelling.

4. ENEMY ATTITUDE. Enemy shelling on our Right Sector above normal, principally in vicinity of forward areas. Some scattered rounds fell in the back areas during the morning. T.H's still continue very active on Right.

5. ENEMY REFERENCES. Nil.

6. HOSTILE AERIAL ACTIVITY. H.A were active throughout the day. At 12-15 p.m. 3 Enemy planes penetrated our back areas and were unsuccessfully engaged by our A.A. fire., One of these left a smoke trail from point of crossing near HOLLERBEKE to the place of recrossing south of COSTAVERNE. Several other planes attempted to cross our lines during day, but were driven off by our A.A. and H.G. fire.

7. MOVEMENT and ORGANISATION behind ENEMY LINES. Movement observed throughout the day and effectively engaged by our Artillery fire. At PILLERHEM Em. an active T.M. was silenced, the crew dispersed and position obviously damaged.
TRAINS 1-15 p.m. Train going South to COGNIES
3-30 p.m. " " North to WERVICQ

8. ARMS AND EQUIPMENT. Nil.

9. MISCELLANEOUS Visibility poor during morning, but improved throughout the afternoon.
1-15 p.m. Small balloons descended in forward area.

F. J. Smith Lieut.,
for Reconnaissance Officer,
5th Australian Divisional Artillery.

H.Q. 14th. March 1918.

Time	No. of Rnds.	Nature	Objective or Area shelled.	Direction or Grid Bearing	Observed from	Remarks
RIGHT Group.						
9.40 am	40	77	U.5.o.	M.B. 102°		
10.10.15 am	13	T.M's	U.11.o.		0.33.a.45.25	
10.25 am	17	4.2	O.34.o.			
	20	77	U.10.b.			
10.45-10.55 am	45	4.2 How	U.14.b.			
11.19-11.35 am	20	5.9	Back areas	M.B. 113°	0.33.a.45.25	
11.10 am	5	77 mm	U.14.a & 0			
11.20 am	20	4.2	U.14.o.			
11.40 am	15	5.9	U.3.d.			
11.21 am	8	5.9 How	MESSINES			
12 noon - 12.30 pm	30	4.2	U.1.a & 0.31	10°R DATUM Ho	0.33.o.50.45	
12.55 pm	35	77 mm	O.34.o & STEIGNAST			
1.17 to 1.42 pm	50	77	STEIGNAST			Probably Calibration
1.45 pm	20	4.2	U.9.a.			
1.55 pm	15	5.9	MESSINES Ch.	M.B. 106°	0.33.o.50.45	
pm	10	77 mm	STEIGNAST			
to 4 pm	30	5.9	MESSINES			
0.45 pm	4	4.2 HV	T.5.o			
0.50 pm		? H.V.	O.35.o.			
7.30 pm	50	4.2 & 77	STEIGNAST & POLLARD			
8 pm	5	T.M's	Front line			
9.15 pm	7	77 & 4.2	Retaliation			
1.20 to 2.30 am	30	T.M's	Front line			
4.15 to 5.10 am	24	"	"			
6.40 am	12	77	O.34.o.			
Centre Group.						
9.30 am	7	H.O.G.	Back area	114° 20'	0.19.b.6.3.	
6 to 7.30 pm	7	5.9 How	Front Line & Support	115° Sound		
LEFT Group.						
6.30 pm-2.30 am		5.9	VERNE Rd		0.10.d.85.80	
7.15 to 7.20 pm			4 Flashes	92° 30' GRID		
8 to 8.5 pm		77 mm & 4.2	OLIVE TRENCH Flashes from	76°-79° 30' GRID		
p 9 am	10	6"	N.17.d.			Instantaneous detonation similar to 106 Fuze
8.45 am	60	4.2	O.11 central	110° 30' Grid	0.11.a.30.38	
10.20 am- 3 pm	10	77 mm	-	96° & 122°	0.10.d.85.80	Fired from O.17.a.
9 am	10	H.T.H.	O.14.a.	-	0.9.a.50.30	Engaged by 103 Bty.

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ROUTINE ORDER No.14.

- by -

Brig-General A.J.BESSELL BROWNE, C.M.G., D.S.O. - C.R.A. 5th.Aust.Divn.

Headquarters,
14th. March 1918.

95. - STRENGTH.

Lieut.A.L.E.Mann having rejoined from Hospital, ceases to be seconded, and is posted for duty with 14th.A.F.A.Brigade.
Dated 23.2.1918.

96. - WATER SUPPLY APPLIANCES.

Reference G.R.O.3553.
A certificate is to be rendered to this office by 20th. inst., that indents for supplies on the scale authorised in above quoted G.R.O., have been submitted

97. - HELIOGRAPHS - ARTILLERY UNITS.

Reference G.R.O.3561.
A report will be furnished to this office by 20th.inst., that Heliographs rendered surplus in accordance with revised scale, have been returned to D.A.D.O.S.

98. - DISCIPLINE.

The attention of all ranks is to be called to G.R.O's and other orders with reference to
(a) Trotting on pave
(b) Trotting in draught.
(c) Carrying of Box Respirators.
(d) Saluting.
The C.R.A. notes with displeasure the number of "crimes" against members of this Command which are passing through this office and directs that strong disciplinary measures be taken against offenders.

99. - S.A.A.

S.A.A. to complete establishments of Units is on no account to be demanded from, or issued by the D.A.Column without orders from this office. S.A.A. can always be obtained from the Divisional Bomb Store on production of an indent signed by an Officer.

100. - ANTI - GAS MEASURES.

With the advent of warmer weather it is probable that the enemy will use "Yellow Cross" Gas Shell on Battery positions. As this gas is extremely difficult to detect by smell, at the slightest indication of gas being put over, Small Box Respirators are to be adjusted immediately, and not removed until so ordered by the Senior Officer present, unless the wearer is in a gas proof dug-out.

101. - ORDERS.

Attention is directed to the undermentioned orders which have been issued to Units :-

General Routine Orders. - Paras 3540 to 3573.

- 3542. - Nomenclature of Heavy and Medium Trench Mortar Batteries
- 3547. - Issue of Blankets to Leave Men.
- 3548. - Fuzes No.89, without Setting Correction.
- 3549. - Chemical Shell 4.5" How. - Packing of.
- 3556. - Economy - Inspection of Equipment.
- 3557. - Transfer of Battery Equipment.
- 3558. - Fuzes No.101 B.

P. T. O.

5th. Aust. D.A.R.O. NO.14.

14th. March 1918.

101. - ORDERS (cont'd).

General Routine Orders (cont'd).

- 3562. - Water from Shell Craters.
- 3565. - Amalgamation of Work of Claims Commission, Requisition Services and D Werks (Lands Branch).
- 3566. - Notes for guidance in deciding what Garments, Blankets, and Horse Rugs are worth repair.
- 3568. - Ammunition - New system of sorting propellants.
- 3570. - Bubbles, Spirit.
- 3571. - Pumps, Fire, Hand.

A. I. F. Orders. - Paras 1143 to 1145.

- 1145. - Captured War Material.

Fourth Army Routine Orders No.1855 re Sanitation.

5th. Aust. Div. Routine Orders. - Paras 130 to 135.

- 130. - Interrogation of Prisoners.
- 131. - Leave in Paris.
- 132. - Dress of Men on Leave.
- 133. - Returns.
- 135. - Protection for Horses.
Notice re Cables.

Edg. H. Booth *Lieut*

*in. Captain,
Staff Captain,*

5th. Aust. Divisional Artillery.

f1b

Gift

5TH AUSTRALIAN DIVISIONAL ARTILLERY.

*Raid night
13/14 March 1918*

Headquarters,
13th March, 1918.

<i>Appendix</i>	
HEADQUARTERS 5th AUSTRALIAN DIVISIONAL ARTILLERY.	
No.	<i>G 11/3869</i>
Date	.....

- C.O. MESSINES Group,
- C.O. COSTAYNES Group,
- C.O. HOLMBURGH Group,
- D.T.M.C., 5th Aust. Divn.

The following wire, received from the 5th Australian Division, is forwarded for your information, please:-

"Second prisoner belonging to 225th R.I.R. states 49th Reserve Division will be relieved at once. 226th R.I.R. has been relieved already believes by 64th Regt or 63rd Regt. An attack is to be made on Divisional front date and objective not known, but is to form part of attack further South and to start before the operations further South. States he has heard fresh peace proposals have been made by Germany and that operations are being held over until 25th. Great increase of Heavy Artillery and Heavy Minenwerfers, both of which are to fire principally gas shells. REIN full of troops".

W. W. W.

Major,
Brigade Major,
5th Australian Divisional Artillery.

CRASH
5th Aust
[Signature]
R.O.T. *[Signature]*

243

SECRET.

CR 3/1125

Copy No. 504/14 36

COUNTY BATTERY - AUSTRALIAN CORPS H.A.

COUNTER BATTERY ORDER NO 29/9

1. In support of a raid to be carried out on the night of the 13/14th inst, the following targets will be engaged.
2. Fire will commence at Zero, and continue till Zero plus 30 mins unless otherwise ordered.
3. Rates of fire as laid down in No 29/6 of 10.3.18.

12th BRIGADE.

70 S.B.	PY 41, 51, 54, P 27 d 3020, P 32 b 7060.
263 S.B.	PZ 8, 20, 101.
319 S.B.	PZ 19, 163, P 34 b 5060, P 35 a 0550.

18th BRIGADE.

117 S.B.	VX 111, V 4 d 9020, VX 10.
----------	----------------------------

41st BRIGADE.

6 S.B.	PY 74, VW 15 (V 2 d 1845)
--------	---------------------------

36th BRIGADE.

2(AUST)S.B.	} as for Order No 29/6 dated 10.3.18.
1(AUST)S.B.	

52nd BRIGADE.

10 S.B.	VW 21, 23, 24, V 14 b 8415.
29 S.B.	PZ 73, VZ 3.
82 S.B.	VW 28.

4. Zero hour will be notified later.
5. PLEASE ACKNOWLEDGE BY WIRE.

*acknd
79/3/13
18*

*D.W. Wilson, Comd
for. Lieut. Col. R.A.*

C.B.S.O. AUSTRALIAN CORPS HEAVY ARTY.

12.3.18.

Issued at 8 p.m.

Copies to:- No 1, R.A. AUSTRALIAN CORPS.

2. Brigade Major, H.A.
3. Staff Captain, H.A.
4. 5th AUST. DIVN. G.
5. 5th AUST. DIV. ARTY.
6. 52 Brigade.
7. 12 Brigade.
8. 41 Brigade.
9. 36 Brigade.
10. 18 Brigade.
11. 3rd Squadron.
12. 6th Balloon Co.
13. File.
14. Spare.

*CR 11/14
BM
BMJ*

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

SUMMARY OF OPERATIONS CONDUCTED ON THE TELEPHONE.

Date... 14th March, 1918... 1917.

243

DAILY DIARY NUMBER.	FROM	TO.	TIME.	PURPORT.
1	F.N. 27	5th D.A.	3.57 pm	<p>All back and stopping. F.Q. 89 have stopped. (Three prisoners, but don't know if all are back. Told to verify with Col. Caddy and inform me. Informed, but says prisoners are in North. Continuing firing. Have 3 prisoners and 1 casualty. Informed and asked for C.B. to continue. Three prisoners of 163. Have C.B. stopped. Have just them to continue. All wires gone. Waiting for a runner. Are cease firing. All back, 1 casualty, 3 prisoners. Have informed F.N. 27. Informed. Have stopped firing. Informed and corroborated, but said only 1 prisoner in S 226 R Informed. Normal identification. Put burst of fire on raided spots presently. Four prisoners. Informed of above. Informed of result. Asked to put down bursts during remainder of night on HLY BUILDINGS.</p>
2	F.Q. 89	5th D.A.	3.58 am	
			3.59 am	
3	5th D.A.	G.S.O 1	4.3 pm	
4	F.N. 27	5th D.A.	4.4 pm	
5	5th D.A.	H.A.A.C.	4.7 pm	
6	F.Q. 89	5th D.A.	4.8 pm	
7.	F.Q. 89	5th D.A.	4.15 pm	
8	5th D.A.	C.B.	4.18 pm	
9	F.N. 27	5th D.A.	4.19 pm	
10	5th D.A.	G.S.O 1	4.19 am	
11	5th D.A.	3rd D.A.	4.21 am	
12	5th D.A.	F.Q. 89	4.27 am	
13	F.N. 27	5th D.A.	4.28 am	
14	5th D.A.	E.X. 103	4.29 am	

April 4

137

Gill

SECRET

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

APPENDIX
5th AUSTRALIAN DIVISIONAL ARTILLERY.
No. 93/5/38 29
Date.....

Headquarters,
12th March, 1918.

C.O. MESSINES Group,

The C.R.A., approves the programme forwarded with your Group Artillery Operation Order 88.

W. Hutton-Lindsay Capt
Major,

Brigade Major,
5th Australian Divisional Artillery.

CRA
BMT

fib

SECRET.

Gill

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

HEADQUARTERS
5th AUSTRALIAN DIVISIONAL ARTILLERY.
No. 93/5/3858
Date.....

Headquarters,
12th March, 1918.

C.O. COSTAVERNE Group.

The C.R.A., approves of your scheme for minor operation to be carried out on the night March 13th/14th, with the following exceptions:-

He considers you should have a second 4.5" How. on FLY BUILDINGS and in addition 1-4.5" How. on each of the following points:-

MIDGE Fm 0.25.a.05.75., HIGH Fm 0.18.c.25.20, throughout the operation.

CRA
BMT

W. Hutton-Lindsay Capt
Major,

Brigade Major,
5th Australian Divisional Artillery.

rib

Fill

SECRET

APPENDIX 14

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

HEADQUARTERS
5th AUSTRALIAN
DIVISIONAL ARTILLERY.
<i>28/3/18</i>
Date.....

Headquarters,
12th March, 1918.

AUSTRALIAN CORPS H.A.

Can you please assist minor operations to be carried out by this Division on the night of March 13th/14th by bombarding the following points from Zero to all clear - probable duration about 30 minutes:-

- | | | | | | |
|------|--------|---|--------------|----------------|---|
| 1-6" | How on | - | 0.24.a.50.25 | PILL Fm | \| |
| 1-6" | " " | | 0.24.c.65.45 | LAKE Fm | \| |
| 1-6" | " " | | 0.24.c.85.05 |  | \| |
| 1-6" | " " | | 0.30.b.50.30 |  | \| |
| 1-6" | " " | | U.6.b.2.3. | KINGSCLERE | ✓ |
| 1-6" | " " | | 0.36.d.3.5 | | ✓ |
| 1-6" | " " | | 0.36.d.55.90 | OORONG Fm | ✓ |
| 1-6" | " " | | 0.36.b.25.50 | ESPERANCE CABT | ✓ |
| 1-6" | " " | | 0.29.d.50.15 | GUARD Fm | ✓ |

Can you please, also arrange Counter Battery work during these operations.

W. Wilson

Major,
for Brig-General,
C.R.A., 5th Australian Division.

CRA
Bm 7

f1b

*File*FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

APPENDIX 14

HEADQUARTERS 5th AUSTRALIAN DIVISIONAL ARTILLERY.
No. <u>50/47</u>
Date.....

Headquarters,
13th March, 1918.

C.O. MESSINES Group,
C.O. COSTAVELLE Group,
C.O. HOLLEBECK Group,
H.A. AUSTRALIAN CORPS,
C.B.S.O. AUSTRALIAN CORPS (thru' H.A)
C.O. LEWT, 2nd Aust. Divl. Artillery.
Headquarters, 2nd Aust. Divl. Artillery.
D.T.M.O., 5th Aust. Divn.
Australian Corps P.O.

Order No. 172. With reference to 5th Australian Divisional Artillery

The ZERO HOUR will be 3.30 A.M. on ¹⁵ 14 MARCH, 1918.

ACKNOWLEDGE by wire.

W. H. M. O. U.
Major,
Brigade Major,
5th Australian Divisional Artillery.

243

CR 3/1127

Copy No: 3

SECRET

Aust: Corps H.A.
No: 9/398.
12th March, 1918.

AUSTRALIAN CORPS

HEAVY ARTILLERY ORDER No: 129.

oOo

Reference Target Maps :-
HOUTHEN & WARNETON, 1/10,000.

1. Raids are being carried out by 5th AUSTRALIAN DIVISION during the night 13/14th March on DATUM HOUSE, RIFLE FARM and JULY FARM.
2. Corps Heavy Artillery will co-operate as detailed in attached table.
3. Counter-battery instructions are being issued by C.B.S.O.
4. Hour of Zero will be notified later.
5. Each Brigade will detail one officer to synchronise watches at Headquarters, 5th Australian Divisional Artillery at 6 p.m. 13th March, 1918.
6. 106 fuzes will not be used unless specially ordered.
7. Please ACKNOWLEDGE.

copy of 7/10/13 1/30

C. Hardet

Major, R.A.,

Issued at 8 p.m.

Brigade Major, Aust: Corps Heavy Arty.

Issued to :-

- Copy No:
1. G.O.C.R.A.
 2. 5th Aust: Divn: G.
 3. 5th Aust: D.A.
 4. 12th Brigade, R.G.A.
 5. 18th " "
 6. 36th " "
 7. 41st " "
 8. 52nd " "
 9. C.B.S.O.
 - 10 Staff Captain.
 11. 3rd Squadron, A.F.C.
 12. 6th Balloon Coy.
 13. File.
 - 14 - 16. War Diary.

*CRA 4/4
BM 10/13
BMT*

RAID - 5th AUSTRALIAN DIVISION.

DATE	T I M E.		BRIGADE	BATTERY	CALIBRE	SHELL	FUZE	Maximum No: of rds, to be expended.	TARGET.	REMARKS.
	From.	To.								
NIGHT 13/14 March 1918.	Zero	Zero plus 30 minutes	12 Bde. RGA.	242 Siego.	6" How.	H.E.	Delay.	120 rds.	0.24.a.5025 PILL FARM. 0.24.c.6545 LAKE FARM. 0.24.c.8505 0.30.b.5030 One How on each.	Rate of fire :- 6" Hows: One round per gun per minute with occasional pauses.
	"	"	12 Bde. RGA.	5. R.M.A.	15" How.	H.E.	Delay.	4 rds.	U.6.b.2030 KINGSCLERE.	
	"	"	41 Bde. RGA.	1 Siego.	6" How.	H.E.	Delay.	120 rds.	0.36.d.30.50. 0.36.d.5590 OORONG FM. 0.36.b.2550 ESPERANCE CABT. 0.29.d.5015 GUARD FM.	

SECRET.

Apr 2/1918

- Headquarters
- AUSTRALIAN CORPS.
- 8th Infantry Brigade
- 14th Infantry Brigade
- 15th Infantry Brigade
- 25th Machine Gun Co
- 5th Pioneer Battalion
- Divisional Artillery
- Divisional Engineers
- Divisional Signal Co.
- A.D.M.S.
- D.B.O.
- D.A.D.O.S.
- D.M.G.O.
- "Z" Special Co. R.E.
- "AQ"
- 1st Australian Division)
- 2nd Australian Division) For
- 4th Australian Division) information.

Asakud 9 Feb 12 10

The following is an outline of raids to be carried out by the 15th Australian Infantry Brigade on the night 13th/14th March 1918.

No. 1 RAID. To be carried out by the 58th Battalion with a party of Officers and 74 Other Ranks against the following objectives (1 party to each objective).

- (a) Front line trench between 0.35d.81.80 & 0.35.d.75.99 and ground beyond for about 50 yards.
- (b) Second line of trenches in front of DATUM HOUSE between 0.36.c.15.98 and 0.36.a.20.20
- (c) DATUM HOUSE Pill box.

Wire is being cut in front of the objectives daily and also at selected spots along the front.

At Zero hour a barrage of 18 prs. and Stokes mortars will be placed on the first objective lasting until Zero plus 2 minutes.

At Zero plus 2 minutes the 18 prs. will lift 100 yards and the Stokes Mortars switch outwards covering the flanks. No.1 Party secure the first objective pushing riflemen well forward under the barrage. At Zero plus 6 minutes the barrage lifts to the second objective where it remains for 2 minutes - Nos. 2 and 3 parties meantime passing through No.1 party.

At Zero plus 3 minutes the barrage lifts about 100 yards till zero plus 9 when it lifts about 100 yards and remains down until the cease fire is given. No.2 party then secure the second objective and search for suspected M.G. positions.

-2-

When the trench is occupied No.3 party move through No.2 Party and enter DATUM HOUSE Pill box, having first thrown in an egg bomb. A "Booby Trap" of Stokes Mortar shells will be left in the Pill box. No.3 party will return along the road covered by Nos. 1 and 2 parties. When No.3 reports all through No. 2 party will return covered by No. 1 party who will then make their ^{own} way back keeping close to the road.

At Zero hour when the barrage falls Machine Guns will form a box barrage outside the third objective and 4.5" howitzers will be employed in neutralizing all troublesome points. The Machine Guns and Howitzers will fire from Zero until the cease fire is ordered.

No. 2 RAID. To be carried out by the 3th Battalion simultaneously with No. 1 Raid. This raid is divided into two parties: (1) of 1 officer and 20 Other Ranks and (2) of 1 officer and 30 Other Ranks. No. 1 party will be known as the Right Party and will have as its objective JULY FARM. No. 2 party will be known as the Left Party will have as its objective RIFLE FARM. O/C attack will be in our front line. An Artillery bombardment of two minutes will be put down on the objectives at Zero hour and at Zero plus 2 minutes the barrage will lift to form a box and the raiding parties will enter the objectives. The cease fire will be given by the O/C attack. A Machine Gun barrage will also be formed outside the Artillery, and Howitzers will be employed in neutralizing fire from Zero hour till cease fire.

The 14th Australian Infantry Brigade have been asked to co-operate by putting up a Chinese Attack at Zero hour with Artillery.



Lieut-Colonel,
General Staff.
5th AUSTRALIAN DIVISION.

12th March 1918.

SECRET

CR 3/1182

HOLLEBIKE GROUP ARTILLERY

OPERATION ORDER NUMBER 17

BY LIEUT COLONEL G.I. STEVENSON C.M.G.

COMMANDING HOLLEBIKE GROUP ARTILLERY

Headquarters
13/5/18

In conjunction with a minor operation to be carried out by 15th Infantry Brigade against JULY and RIFLE FARMS on the night of 13th/14th March, the 55th Battalion will carry out a "CHINESE" attack on FLY BUILDINGS.

This attack will be supported by HOLLEBIKE GROUP ARTILLERY as under :-

REFERENCE MAP - KORTWILDE - 1/10,000.

PHASE 1.

Time	Battery	Target	Rate of fire per Gun per minute	Ammunition A	AX
Zero to zero plus 2 mins	7th	1 Gun on H.G. at O 17 D 55.43 2 Guns from O 17 D 75.18 to O 17 D 70.10 3 Guns from O 17 D 45.00 to O 23 B 57.97	4 Rds	12	36
"	9th	3 Guns from O 23 B 50.97 to O 23 B 65.93	"	6	18

PHASE 2

Zero plus 2 to zero plus 17 mins	7th	1 Gun on H.G. at O 17 D 55.43 5 Guns barrage from O 17 D 75.18 to O 23 B 65.98	Zero plus 2 to zero plus 7: 4 Rds Zero plus 7 to zero plus 12: 3 Rds Zero plus 12 to Zero plus 17: 2 Rds	68	202
"	9th	3 Guns barrage from O 23 B 65.98 to O 23 B 55.75.			

ZERO PLUS 17 - CRASH FIRE.

Zero hour will be notified later.

Watches will be synchronised with Adjutant at 8.45 p.m. and 3 p.m. on 13th March. at midnight and once later.

✓ ACKNOWLEDGE: 7th and 9th Btys

M. Humphrey
CAPTAIN F.A.
ADJUTANT HOLLEBIKE GROUP ARTILLERY

Copies to : 3rd Bde Btys
14th Inf Bde
5th D.A.
Costtaveone Group
WAR DIARY
WY.2

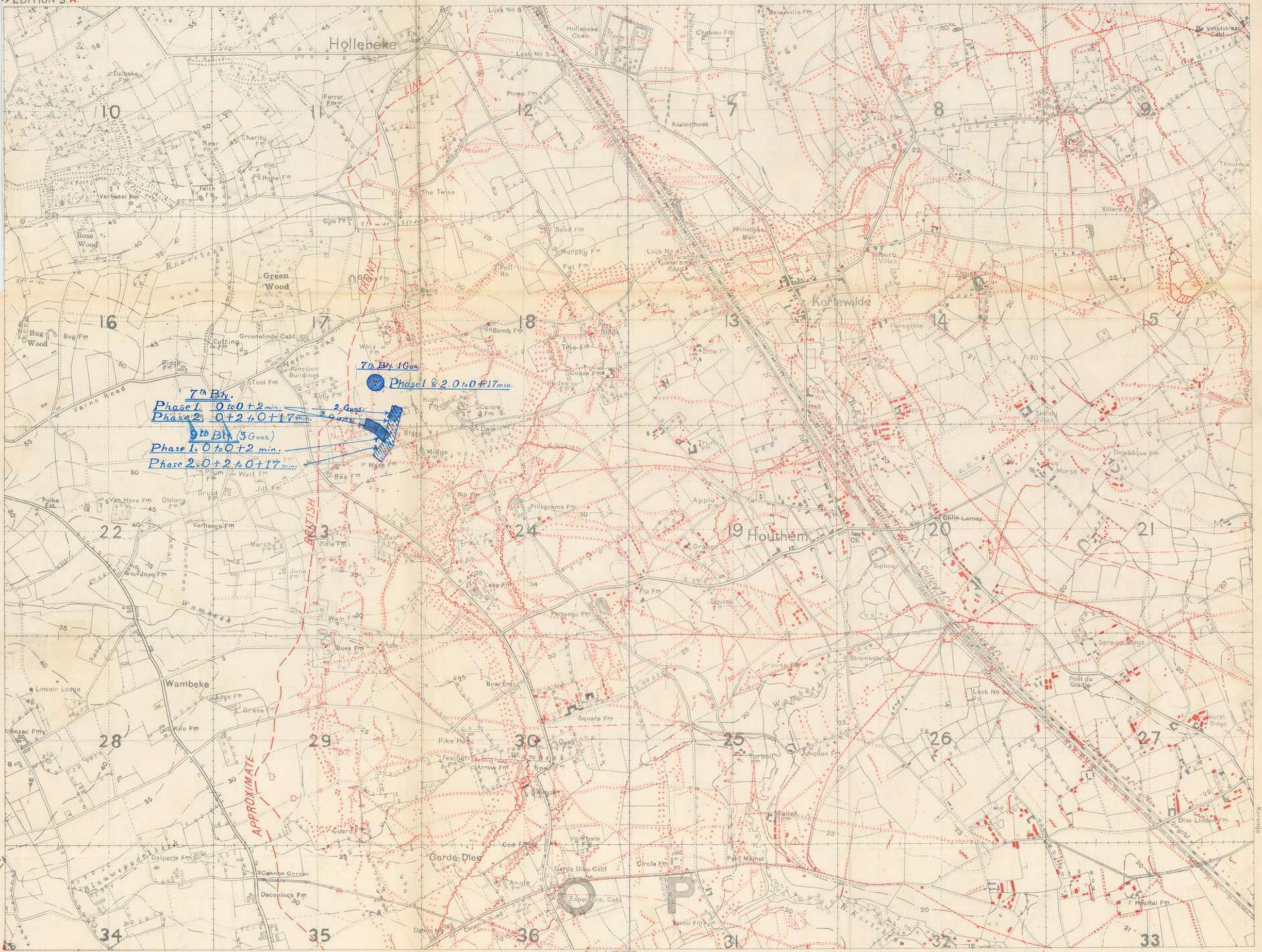
Ca 3050
12/3/18

EDITION 3.A

HOUTHEM

German Trenches corrected to 19-10-17.

Part of Sheet 28.



7th Bty. 1 Gun.
Phase 1 & 2. 0 to 0+17 min.

9th Bty. (3 Guns)
Phase 1. 0 to 0+2 min.
Phase 2. 0+2 to 0+17 min.

APPROXIMATE

P.S. 1010-1-17-1526, 21-10-17.

NOTE: A feed-water canal exists along the western side of the canal from P. 28 b 7.4 northward to O. 12 b 9.6, and from O. 12 b 2.5 to O. 8 c 9.1, and is conducted in tunnels at three points indicated.

Scale 1:10,000

Concrete Structures - C
Battery Positions (within strong points)
Probably Timber or Camouflage
Probably Concrete
British Posts. □

HOLLEBEKE Group

13/14⁴

General Geographic Information of IB-10-14

HOLLERHEW

A 4 NORTH

243

SECRET.

Copy No.....

OOSTTAVERNE GROUP ARTILLERY OPERATION ORDER No. 115.
by

LIEUT. COLONEL F. P. DERHAM, D.S.O. COMMANDING

Headquarters,
12th. March 1918

REFERENCE MAP - SHEET 28 S.W. 2, 1/10,000.

1. Two raids will be carried out simultaneously against JULY FARM and RIELE FARM respectively by the 60th. Battalion A.I.F. on the night of 13th./14th. March 1918, and will be supported by the Artillery of OOSTTAVERNE & HOLLEBEKE GROUPS in conjunction with 6" Hows. and one 9.45" H.T.M.

2. The C.R.A., 5th. Aust. Division is arranging for 6" Howitzers to engage the targets set out in Task Table for Heavy Artillery.

3. Tasks of Field Artillery, Heavy Artillery and 9.45" H.T.M. are as set out in Task Tables attached.

4. AMMUNITION - 18-pdrs. PHASE I "AX"; 50% delay and 50% non-delay
PHASE II "A"
4.5" Howitzers "BX"; 106 Fuzes not to be used.

5. Time - Zero hour will be notified later. Heavy Artillery will cease fire at Zero plus 30 minutes, and 9.45" H.T.M. will cease fire at Zero plus 15 minutes. Field Artillery will not cease fire till orders to do so are received from this Office (It is anticipated that "cease firing" will be ordered at about Zero plus 15 minutes)

Watches will be synchronised by Adjutant, OOSTTAVERNE GROUP ARTY. at 6 p.m. on 13th. inst. and again one hour before Zero hour.

6. ACKNOWLEDGE.

Derham
13/3/18

Bandley

Captain,
Adjutant,
OOSTTAVERNE GROUP ARTY.

Distribution :-

- Copy No. 1 5th. D.A.H.Q.
- " 2 14th. Inf. Brigade
- " 3 15th. Inf. Brigade
- " 4 60th. Battalion
- " 5 Heavy Artillery (per 5th. D.A.H.Q.)
- " 6 H.T.M. Battery
- " 7 53rd. Battery
- " 8 54th. "
- " 9 55th. "
- " 10 114th. "
- " 11 8th. R "
- " 12 9th. "
- " 13 103rd. "
- " 14 HOLLEBEKE GROUP
- " 15 MESSINES "
- " 16 FILE
- " 17 WAR DIARY

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T A S K T A B L E S.

Attached to OOSTAVERNE GROUP ARTILLERY OPERATION ORDER No. 115

REFERENCE MAP - SHEET 28 S.W.2, 1/10,000.

BTY.	GUNS or HOWS.	TIME	TASK	RATE OF FIRE.	AMMUNITION		
					A	AX	BX
<u>P H A S E I.</u>							
53rd.	1 5	Zero to Zero plus 2.	BEE FARM 0.23.b.15.15 to 0.23.d.15.80	4 rds. per gun per min.		8 40	
54th.	1 5 5	do. do. do.	0.23.d.25.50 to 0.23.d.25.55. 0.23.d.15.80 to 0.23.d.15.50	do. do.		8 40	
8th.	6	do.	0.23.b.25.15 to 0.23.d.25.75	do.		48	
9th.	3	do.	0.23.d.25.75 to 0.23.d.25.55	do.		24	
114th.	1 1 1 1 1	do. do. do. do. do.	EEL FARM WAM FARM BEEK FARM 0.29.b.65.88 0.29.a.95.25	3 rds. per how. per min. do. do.		6 6 6 6 6	
103rd.	1 1 1 1 1 1	do. do. do. do. do. do.	FLY BUILDINGS HIGH FARM MIDGE FARM WASP FARM BAB FARM CODE FARM	do. do. do. do. do. do.		6 6 6 6 6 6	

HEAVY ARTILLERY.

<u>6" How.</u>			
1	do.	PILL FARM	
1	do.	LAKE FARM	
1	do.	0.24.c.85.00	
1	do.	SQUARE FARM	

9.45" H. T. M.

do. FLY BUILDINGS.

P H A S E II.

53rd.	1	Zero plus 2 to Zero plus 10	BEE FARM	4 rds. per gun per min.	32
		Zero plus 10 to "cease firing"	do.	2 rds. per gun per min.	10(?)
	3	Z. plus 2 to Z. plus 10. Z. plus 10 to "cease firing"	Enfilade 0.23.b.15. 15 to 0.23.b.55.15 do.	4 rds. p.g.p.m. 2 rds. p.g.p.m.	96 30(?)
	2	Z. plus 2 to Z. plus 10 Z. plus 10 to "cease firing"	0.23.b.15.15 to 0.23.b.15.30 do.	4 rds. p.g.p.m. 2 rds. p.g.p.m.	64 20(?)

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TASK TABLES. (Ctd.)

Attached to OOSTAVERNE GROUP ARTILLERY OPERATION ORDER No.115

BTY'	GUNS or HOWS.	TIME	TASK	RATE OF FIRE.	AMMUNITION		
					A	AX	BX
<u>PHASE II. (Ctd.)</u>							
54th.	1	Z. plus 2 to Z. plus 10.	0.23.d.55.55 to 0.23.d.55.50	4 rds. p.g.p.m.			32
		Z. plus 10 to "Cease firing"	do.	2 rds. p.g.p.m.			10(?)
	3	Z. plus 2 to Z. plus 10.	Enfilade 0.23.d. 15.50 to 0.23.d. 55.50.	4 rds. p.g.p.m.			96
		Z. plus 10 to "Cease firing"	do.	2 rds. p.g.p.m.			30(?)
	2	Z. plus 2 to Z. plus 10	0.23.d.15.50 to 0.23.d.15.35	4 rds. p.g.p.m.			64
		Z. plus 10 to "cease firing"	do.	2 rds. p.g.p.m.			20(?)
8th.	6	Z. plus 2 to Z. plus 10	0.23.b.55.15 to 0.23.d.55.75	4 rds. p.g.p.m.			192
		Z. plus 10 to "Cease firing"	do.	2 rds. p.g.p.m.			60(?)
9th.	3	Z. plus 2 to Z. plus 10	0.23.d.55.75 to 0.23.d.55.55	4 rds. p.g.p.m.			96
		Z. plus 10 to "cease firing"	do.	2 rds. p.g.p.m.			30(?)
114th.	5	Z. plus 2 to Z. plus 10	AS IN PHASE I. do.	3 rds. p.h.p.m.			120
		Z. plus 10 to "cease firing"	do.	2 rds. p.h.p.m.			80
103rd.	6	Z. plus 2 to Z. plus 10	AS IN PHASE I. do.	3 rds. p.h.p.m.			144
		Z. plus 10 to "cease firing"	do.	2 rds. p.h.p.m.			96

HEAVY ARTILLERY

Zero plus 2 AS IN PHASE I.
to Zero plus 30

9.45" H. T. M.

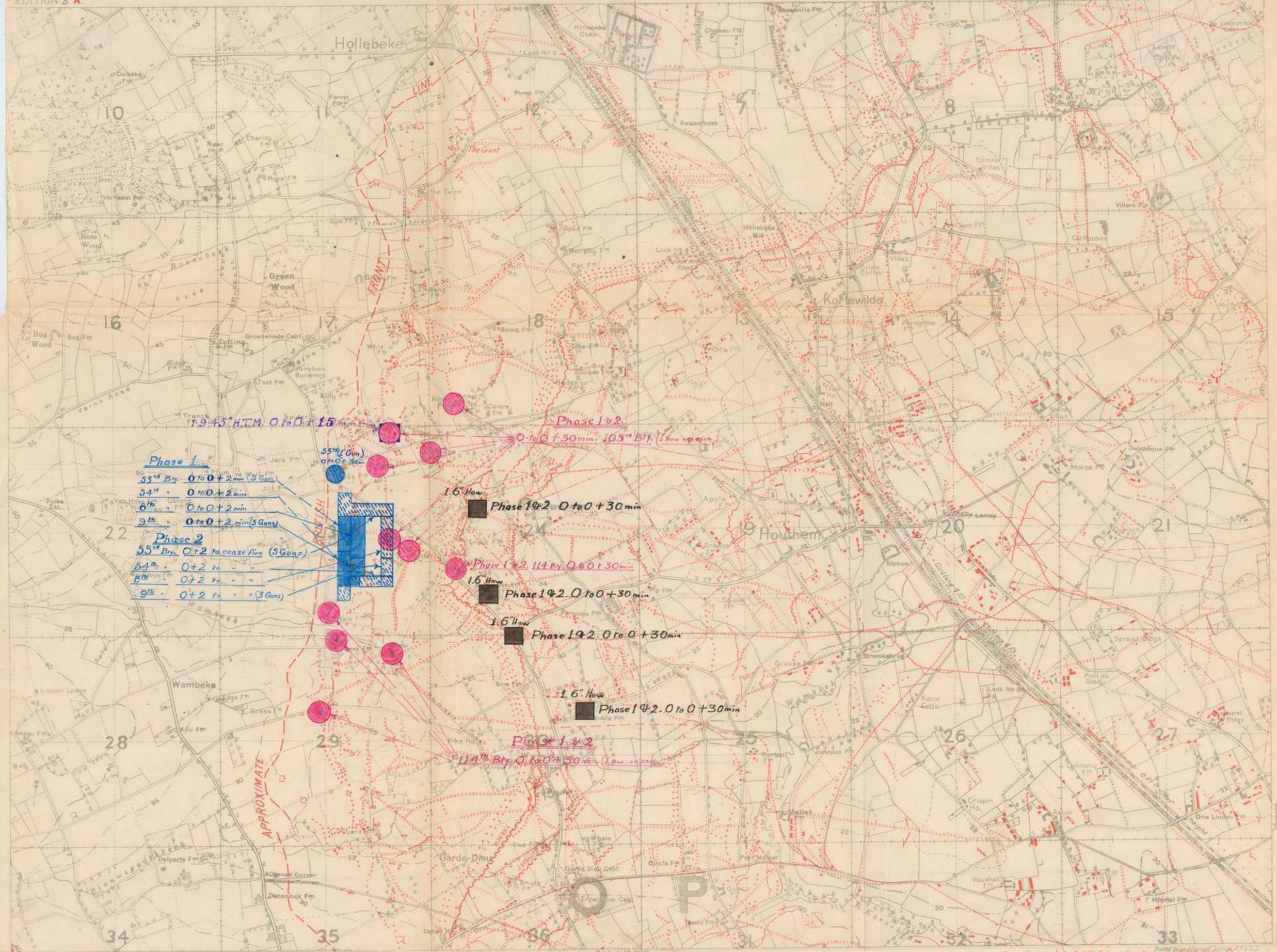
Zero plus 2 AS IN PHASE I.
to Zero plus 15

HOUTHEN

German Trenches corrected to 19-10-17.

Part of Sheet 28

EDITION 3 A.



Concrete Structures - C
 Organized Staff Holes - S
 Battery Positions (see the map for points)
 Probably Timber or Camouflaged
 Probably Concrete

SECRET.

CR3/1045

APPENDIX 14

OOSTTAVERNE GROUP ARTILLERY

14TH AUSTRALIAN FIELD ARTILLERY BRIGADE.
No. R6/29
Date.....

Headquarters,
11th. March 1918.

D. A. H. Q.,
5th. Aust. Division,

Herewith sketch showing Phases 1 and 2 of
proposed operations on night 13th./14th. inst. for your
approval:

PHASE 1. Zero to Zero plus 2.

Rates of fire 18-pdrs. 4 rds. per gun per min.
4.5" Hows. 3 " " how. " "

Ammunition 18-pdrs. "AX"
4.5" Hows. "BX".

PHASE 2. Zero plus 2 to Zero plus 10.

Rate of fire 18-pdrs. 4 rds. per gun per min.
4.5" Hows. 3 " " how. " "

Zero plus 10 to "Cease fire"

18-pdrs. 2 rds. per gun per min.
4.5" Hows. 2 " " how. " "

Ammunition 18-pdrs. "A"
4.5" Hows. "BX".

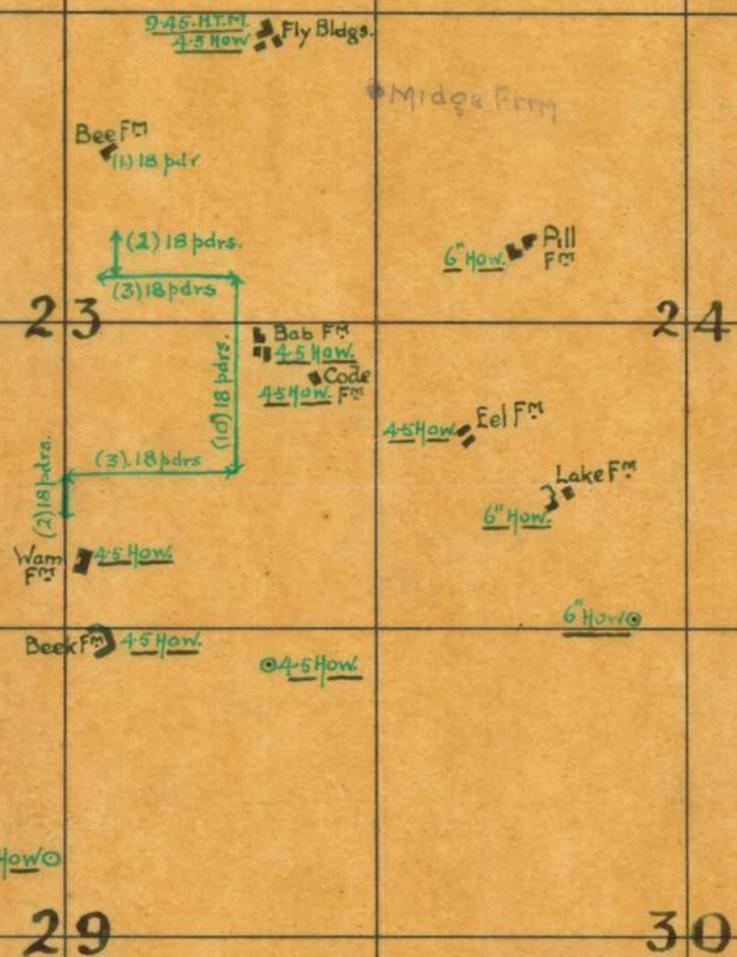
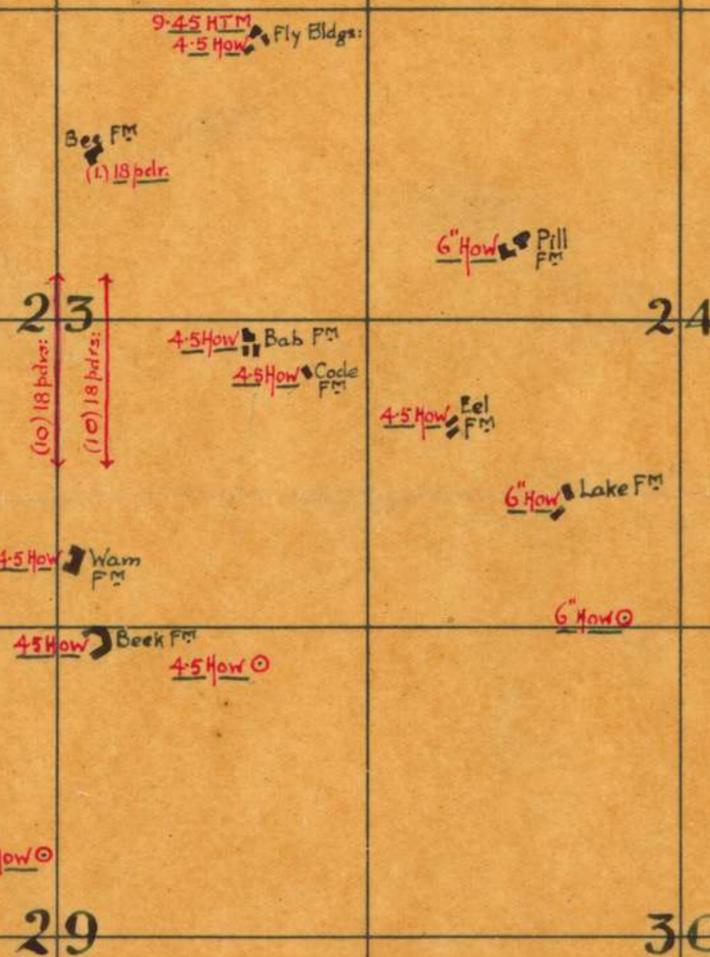
Lieut. Colonel,
C.O. OOSTTAVERNE GROUP ARTY.

REF: SHEET. 28.S.W.2

SCALE: 1:10000.

~PHASE 1~

~PHASE 2~



original

app 15

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 14th March - to - 6 a.m. 15th March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS.

1. OPERATIONS.

Artillery. Our Right Group Batteries actively engaged hostile T.M's between 7 pm and 6 am. These were chiefly firing from KIWI Fm 0.36.c and vicinity, KINGSCLERE U.6.b., U.12.b.4.9., 0.36.c.85.75., U.12.b.18.92, and DATUM HOUSE 0.36.a.3.2.

Enemy movement was observed and engaged, and hostile working parties fired on successfully throughout the day as follows:- 10.30 am movement vicinity SQUARE Fm 0.23.b. 5.10 am movement observed near PARTYNTJE Fm. Between 5 am and 5.50 am enemy movement around FLY Blds 0.23.b. From 10 am to 11.40 am hostile movement observed at 0.18.b, also at 9 am in R 19.a.80.50.

During the afternoon hostile parties in vicinity of LAKE Fm 0.24.c., KASTELMOEK P.7.c., POLL HOUSE 0.18.a., THE TWINS 0.11.d., APPLE Fm P.19.a and BOMB Fm 0.18.c were successfully engaged and parties dispersed.

Instructional shoots were carried out on ORKNEY TRENCH 0.18.b and Registrations continued and Calibrations checked.

M.T.M. Our M.T.M.B. fired some 15 rounds on KIWI Fm 0.36.c at 3.30 am; all bombs detonating well and shooting being most effective.

2. IDENTIFICATIONS. Nil.

3. HOSTILE SHELLING. Enemy shelling continues very active on our Right and Left Group Sectors, particularly on the Right where fire was well distributed over the forward areas. It is particularly noted that throughout the past few days enemy shelling has been very heavy in 0.10.d and 0.11.a & c in the vicinity of the THE RAVINE, OLIVE TRENCH and along our Left Sector front line.

See Table of HOSTILE SHELLING.

4. ENEMY'S ATTITUDE. More active than usual on our Right Sector, particularly in vicinity of STEIGMAST Fm and MESSINGS RIDGE. Many Registrations have been carried out on STEIGMAST Fm which probably indicates new batteries have been brought on to the enemy's front opposite this Sector.

5. ENEMY DEFENCES. Nil.

6. HOSTILE AERIAL ACTIVITY. Below normal.

7. MOVEMENT AND ORGANISATION. Hostile parties observed in vicinity LAKE, SQUARE and PARTYNTJE Farms and in 0.18.b throughout the day.

8. ARMS AND EQUIPMENT. Nil.

9. MATTERS OF GENERAL INTEREST. Hostile flashes observed at T.B. 104° 30' from 0.19.b.6.3. During shelling of QUID Fm 0.30.d by one of our How Batteries with gas the enemy was seen to send up

Page 2

flares bursting into an Orange spray. These were fired from enemy trenches. Small Red Balloon fell about U.2.c. at 5.30 pm.

Visibility. Poor during early morning; fairly good until 2.30 pm after which time it became misty again.

T. J. Brunton Lieut.
for Reconnaissance Officer,
5th Australian Divisional Artillery.

H.Q., 15th March, 1918.

Time. Eight Group.	No. of Rnds.	H O S T I L E Nature.	S H E L L I N G. Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
9.10. to 9.25 am	20	4.2	U.4.a			
9.25 to 9.40 am	20	T.M's	U.5.b.			
9.25 to 9.40 am	8	4.2	GAPPARD			Probably calibrating
10.5 to 10.10 am	?	77 mm	0.35.c.	S.B. 14°R DATUM HO.	0.33.a.45.25	
10.15 to 10.40 am	?	4.2	0.35.b.7.6.	S.B. 30°L&1 R"	"	
10.20 to 10.45 am	10	5.9 How	STEIGNAST Fm			Calibrating
10.45 to 11.5 am	8	4.2	U.1.d.	SB 11°30' R "	"	Calibrating
11.10 to 11.15 am	5	5.9	STEIGNAST Fm			Calibrating
11.10 am-12.10 pm	?	77 mm				Gas.8 duds.
11.10 to 11.45 am	75	4.2	U.25 cenl & U.3.d. MESSINES RIDGE			Gas from BAS WARRETON.
12.5 to 12.40 pm	57	4.2	U.3.d & U.5.o.cenl MESSINES			Silenced by Heavies
12.40 to 1 pm	?	T.M's	Front line	SB 2°L COMINES	0.33.o.50.45	
1.25 pm	20	77 mm	STEIGNAST Fm			
1.40 to 1.55 pm	100	4.2	0.33 central	SB 14°R DATUM HO.	"	
1.25 pm	30	5.9gun	Front line	SB 3°L COMINES CH.	"	
8.5 to 8.20 pm	20	4.2	0.33.d & c			
8.20 pm	10	77	U.2.b.			
8.55 pm	?	77	0.23.b & d			
9.15 pm	10	4.2	0.33.c			
9.45 pm	50		MESSINES Rdge & 0.33.c & d			
10.30. to 10.50 pm	30	4.2	0.32.d & 0.33.c.			
11.30 pm	?	4.2	0.33 central			
Centre Group.						
10.40 am	50	77 mm & 4.2	Front line	NOUTHEM	0.19.b.6.3	
11 am	Lightly	77 mm	" "	COMINES	"	
9 am	9	4.2"	0.22.c.	WARRETON	0.27.c.b.80.05	Gas
Intermittent	80	77mm, 4.2 & 5.9.	0.28.a & b	"	0.28.a.35.05	

APPENDIX 15

H O S T I L E S H E L L I N G Continued.

Time.	No. of Rounds	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Left Group.						
3.35 am	50	4.2	0.14.b.		0.14.b.20.65	
12.50 am	14	4.2	Vicinity 0.8.d.63.80 & 0.8.d.40.11		0.8.d.65.80	
1.30 am	4	5.9	" "		"	
2 am	8	4.2	" "		"	Blue X Gas
1.15 am	1	4.2	" "		"	
1 to 1.50 am	30	5.9	0.8.b.		0.8.b.03.70	
11.15 am	20	4.2	0.11.b.		0.11.a.30.38	
12 nm-2.30 pm	150	5.9 & 4.2	HOW 0.11.a & o	107° Grid	0.10.d.85.80	C.B.informed 12.5 pm
	-	4.2	How		"	Firing at quick rate of Big fire. C.B.informed 1.40pm
1.30 pm	50	77 mm	"	"	"	
1.45 pm	100	4.2	0.10.d. Flashes 4 guns " 1 gun	KORTEWILDE 112°30' Grid 100°30' "	0.10.d.90.95 0.10.d.85.80	C.B.informed 5.40pm
3 to 6 pm	100	4.2	0.10.b & d & 0.11.a & o		"	" " 5.20pm
		H.V.	0.11.a.	100°30' "	"	
2.15 pm		5.9 & 4.2	-	WERVICQ COMINGS	Infantry	C.B.informed.
4.35 pm		5.9	R fwd Coy H.Qrs R.Sector 0.17.c.20.55			

original

War Diary

APPENDIX 15

SECRET.

No. 63

As at 8 a.m. 15/3/18

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

DISPOSITION.

5th Aust. D.A.H.Q. - ULSTER CAMP, DRANOUTRIE - M.35.d.0.2.

Reference Maps 1 - 40,000 - Sheet 28.

GROUP.	UNIT.	GUNS.	POSITION.	WAGON LINES.
13th Aust. F.A. Brigade (MESSINES Group)	Headquarters	-	T.6.c.15.75	T.20.a.8.0.
	49th Battery	6	U.1.a.70.39.	T.20.a.8.0.
	50th "	6	U.13.a.80.80.	N.21.c.6.3.
	51st "	4	O.31.a.55.05)	T.20.c.2.2.
	51st "	2	O.31.b.90.45)	
	113th "	6	U.7.d.09.70.	T.26.b.5.5.
14th Aust. F.A. Brigade (COSTAVERNE Group)	Headquarters	-	N.29.c.5.8.	N.33.c.7.7.
	53rd Battery	4	O.25.b.60.87)	T.3.b.2.9.
	53rd "	2	O.26.c.55.97)	
	54th "	5	O.25.b.70.40.	N.33.c.7.7.
	54th " ANTI-TANK GUN	5	O.19.c.5.6.	N.29.c.5.8.
	55th "	6	O.25.c.05.25.	N.27.a.4.8.
	114th "	6	O.19.b.25.30.	S.12.a.8.5.
3rd (Army) Aust. F.A. Brigade (HOLLERBECK Group)	Headquarters	-	N.18.b.90.25.	N.20.d.8.1.
	7th Battery	6	O.9.a.50.30.	N.20.a.7.2.
	8th "	6	O.7.d.55.05.	N.32 central
	9th "	6	O.8.d.70.80.	N.32 central
	103rd "	6	O.14.b.20.65.	N.32 central
6th (Army) Aust. F.A. Brigade.	Headquarters	-	N.17.d.20.20.	T.21.d.2.1.
	16th Battery	6	O.8.b.30.65.	S.30.c.6.6.
	17th "	6	O.14.a.65.22.	S.30.d.2.7.
	18th "	6	N.23.b.69.10.	B.1.b.1.5.
	106th "	6	N.23.d.25.80.	T.14.b.2.2.
5th Aust. D.A. Column.	Headquarters		S.5.b. central.	
	No.1 Section		S.6.a.2.6.	
	No.2 Section		S.5.b. central.	
	S.A.A. Section		S.5.b.8.5.	
3rd (Army) Aust. F.A. Brigade Ammn. Column.				N.32 central
6th (Army) Aust. F.A. Brigade Ammn. Column.				T.8.c.9.1.
5th Aust. Divl. T.M.	D.T.H.O.		PARMA DUMP	N.18.b.2.7.
	9th M.T.H. Bty		GREGORY X ROADS	T.5.a.5.0.
	10th " "		PARMA DUMP	N.18.b.2.7.
LA POLKA DUMP	...	...	N.21.d.5.8.	
DE KENNEBEEK DUMP	...	...	T.3.d.9.9.	
FUZEVILLE	...	...	RENNINGHEK ST	
Divl. Camouflage Officer	...	...	M.30.b.3.7.	
No. 23 Workshops	...	...	T.14.b.90.90.	
No. 4 Gun Park	...	...	GODEWAERSVELDT	

H. Stollon Major,
Brigade Major,

5th Australian Divisional Artillery.

15th March, 1918.

original
app 16
APPENDIX 16

For official use only.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 15th. March - to - 6 a.m. 16th. March 1918.

NOTE: Not to be taken into the front line trenches.

FORECAST OF DISPOSITIONS.

OPERATIONS.

Artillery. In anticipation of enemy relief on our Right Sector front a special programme of fire was carried out on enemy's roads, tracks, suspected H.Q's, and other centres of activity in O.36 and U.6. between 2 a.m. and 4-50 a.m.

Throughout the period active enemy T.M8s in vicinity of KIVI Fm (O.36) KINGSCLERE (U.6.b.), and U.12.b. were successfully fired on and silenced.

Aeroplanes shoot in reply to ~~C.300~~ ^{C90}. Calls between 3-30 p.m. and 4-24 p.m. Targets engaged, but result not known. In response to M.M. Calls shoots were carried out on P.7.a.60.00 between 3 p.m. and 4 p.m.

A concentrated shoot was carried out by our 18-pdrs and 4.5 hows assisted by Australian Corps Heavy Artillery on Hostile Battery position in P.31.d.50.65 between 11-15 a.m. and 11-25 a.m.

At irregular intervals between 2 a.m. and 5 a.m. bursts of fire were put over on enemy's tracks in - O.29.d.6.7. to O.30.0.09, and O.30.a.0.7. O.35.b.6.6. - O.30.c.0.2. - O.30.c.6.5. - O.30.d.0.7. and O.29.d.3.0. to O.35. b.5.0.

Between 9 a.m. and 11 a.m. some 60 rounds were put over on T.M. position in O.30.a.35.95. ^{distructive}

At 4.15 pm a ~~distribution~~ shoot was carried out on LAKE Fm O.24.c; much movement having been observed in this vicinity lately. Hostile working parties were engaged and enemy movement fired on throughout the day as follows:- 7.30 a.m. Movement around BOMB Fm O.18.b., POLL HOUSE O.18.a and APPLE Fm P.19.a. 2.30 pm Apple Fm P.19.a and BAT Fm O.18.c. 3.5 pm P.19.a.80.40., P.19.d.20.90. 3.15 pm movement in vicinity TRAM HOUSE P.13.d. 4 to 5 pm enemy activity around TRALEE HOUSE P.14.b.45.30 and throughout the day individual movement in vicinity of O.24.d. These were all effectively engaged and hostile parties dispersed. At 5.15 pm some twenty rounds were fired on M.G. position at O.23.d.50.65 with good effect.

Registrations were checked and some Instructional shoots carried out on P.19.a.50.30., P.19.c.70.50., P.13.a.80.40., P.13.a.60.50 and O.18.a.80.50.

2. IDENTIFICATIONS. Normal.

3. HOSTILE SHELLING. Enemy Artillery were very active throughout the day on our Right Sector forward areas. Between 10.20 am and 1.55 pm about 165 rounds of 4.2.Gun fell in vicinity of one of our batteries in O.31.c.7.7 to O.31.c.5.9, but no damage was done. Scattered rounds fell in vicinity O.22.c & d and O.28.a & b throughout the day. On our Left Sector forward areas shelling was again fairly heavy particularly in O.11.a. Batteries and vicinities in O.14.b., O.8.b and O.9.a have been fairly heavily shelled with gas but no casualties have occurred.

See Table of HOSTILE SHELLING.

Page 2

4. ENEMY ATTITUDE. Artillery above normal on our Right Sector throughout the day. It is noted that hostile shelling during the night was comparatively quiet. Hostile T.M.'s continue normal. The increase of gas shelling in vicinity of Left Group batteries is particularly noted. Yellow and Green Cross Gas being used. Enemy still appears to be calibrating and registering repeatedly on STIGNAST and DESSINES principally 77 m.m. and 4.2.
5. ENEMY DEFENCES. Nil.
6. HOSTILE AERIAL ACTIVITY. Enemy aircraft were fairly active throughout the period. Several planes attempted to cross our lines but were driven back by A.A. and M.G. fire. 11.55 a.m. two enemy propaganda balloons passed over our lines and were brought down about KILDELL.
7. MOVEMENT AND ORGANISATION, etc. Several working parties observed and engaged throughout the day (see OPERATIONS). Train 1.30 pm observed travelling South into COMINES. Between 3 and 4 pm 4.2 How observed firing from vicinity SCHOOVELDE Em P.22.c.30.40, evidently firing on O.11.a. This How. was distinctly visible firing from emplacement and on approach of our planes over enemy's lines 2 men came out and put a screen over pit. After plane returned the men removed screen and continued firing. At 5.30 pm 2-4.2" opened up gun fire from vicinity P.27.d.90.60. These were protected by a smoke screen. These guns were not firing on our Sector. Between 3 and 5.20 pm movement observed around TRALEE Em P.14.b.45.30. This appears to be a H.Q. as a man is on sentry go. This target was engaged and after 3 direct hits on buildings 3 or 4 enemy were seen to proceed to adjoining buildings keeping low under cover of the trenches. Building on left of TRALEE Em appears to be a telephone junction. Aerial wires can be seen running out. After a few more salvos were fired by our batteries no more movement was observed.
8. MISCELLANEOUS. Visibility poor during morning, but greatly improved throughout afternoon.

F. Brunton Lieut;
for Reconnaissance Officer,
5th Australian Divisional Artillery.

H.Q. 16th March, 1918.

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Time.	No. of Rnds.	Nature.	Objective or Area shelled.	SH L L L U G. Direction or Grid Bearing.	Observed from.	Remarks.
Right Group.						
8.50 am	20	4.2 How	U.9.a.			
9.25 am	4	4.2 Gun	U.4.a.	BAS WAREMONT		
9.40 am	120	77 mm	U.3.b., u.4.b & d., U.5.c.	M.B. 102°	0.33.a.45.25	
10.25 am	7	5.9	WYTSCHALLE	COMINES		
11.20 am	8	5.9	U.2.a.	H.B. 105°	0.33.a.45.25	
11.20 to 1.55 pm	165	4.2 Gun	0.31.c.7.7 & 5.9			
12.52 pm	8	5.9	U.1.c.			
12.50 pm	20	4.2 How	STEIGNAST Fm			
1.20 pm	25	77 mm	U.4.a.2.5.			
1.20 pm	10	4.2	STEIGNAST Fm	COMINES		
2.5 to 2.50 pm	100	77 mm	0.33.c.50.45			
8.55 to 9.10 pm	40	T.M's	Front line			
9 to 9.10 pm	?	4.2 Gun	0.33.d.			
9.33 pm	30	77 mm	STEIGNAST			
10.25 pm		4.2 Gun	RAINY C.T., 6 KILO Fm. MESSINES			Searching
11.12 pm	20	T.M's	Front line			
1.15 pm-1.30 am	8	5.9	MESSINES			Very quiet
2 to 6 am						
11.55 to 12.45 am	12	Gas & Smap.	U.7.c & d.			
Centre Group.						
12.30 pm	?	Gas	COSTTAVERNE Wood	HOUWHEM	0.19.b.6.3.	
9.15 to 10 am	45	4.2 How	0.22.c & d.	WARVICQ	0.27.b.80.05	
10 to 10.45 am	20	4.2 How	0.28.a & b.	COMINES	0.27.b.80.05	
Left Group.						
12.30 am	70	4.2	0.14.b.		0.14.b.20.65	Yellow X Gas
12.30 to 2.15 am	300	4.2 & 77mm	0.8.b.		0.8.b.30.65	Gas.
12.30 to 2.50 am	300	" Gas	0.9.a.	120° Grid		Yellow & Green X
11.30 to 11.40 am	40	4.2 How	0.11.c.	100° Grid	0.10.d.85.80	Flash observed. C.Bs informed 11.30 am
3.30 am				9030' L of WATER Tr	0.11.a.30.38	
9.45 am	40	4.2 HV	0.11.a.	94° Grid Sound	0.10.d.85.80	
11 to 11.40 am		4.2 How	0.25.a.	111° Grid	0.10.d.85.80	
12 to 12.50 pm	40	4.2 How	0.11.a & b	100° "	0.10.d.85.80	
1.15 to 1.20 pm		77 mm		96° "	0.10.d.85.80	Firing from P.9.d.90.50
1.20 pm				" "	0.10.d.85.80	Flashes.

APPENDIX 16

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original

APPENDIX 16

SECRET.

Copy No. 7

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY Instruction No. 51.

Headquarters,
16th March, 1918.

1. The following is the daily allotment of Ammunition expenditure until further notice commencing 14th March, 1918.
2. All existing Ammunition allotments will be cancelled and unexpended balances will lapse.
3. Nothing in the above should be taken as restricting expenditure in case of attack by the enemy. In such cases ammunition will be expended solely with regard to the tactical requirements.

13 pr.		4.5" How.	
HOLLEBEKE Group	425	HOLLEBEKE Group	125
OOSTAVERNE Group	425	OOSTAVERNE Group	125
MESSINES Group	425	MESSINES Group	125

4. ACKNOWLEDGE.

H. Hutton

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued as under.

	Copy No.
MESSINES Group	1
OOSTAVERNE Group	2
HOLLEBEKE Group	3
C. C. 6th (Army) A. F. A. Bde	4
Staff Captain	5
5th Aust. Divn "G"	6
Diary	7 to 9
File	10

original

APPENDIX *14*

For Official Use Only.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 16th March - to - 6 a.m. 17th March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. Our Artillery were actively engaged throughout the night in bombarding enemy's roads, tracks, strong points and centres of activity in anticipation of hostile reliefs on our Right and Centre Group fronts. At irregular intervals between 9 pm and 5 am bursts of fire were put over on UNABLE TRENCH and Track Junction U.6.a. 6.2., along HERONDELLIE Rd from O.6.c.4.6 to U.12.b.45.20 and thence along WARRINGTON-COMMERS Rd to V.1.d.80.50 and other main tracks and centres.

Our Centre Group carried out annihilating shoots between 2 am and 5 am on all enemy roads, tracks and centres of activity in O.29.b., O.24., and O.30.

Active Enemy Trench Mortars on our Right Sector front were effectively engaged at intervals throughout the night.

Throughout the day hostile working parties and enemy movement were successfully engaged as follows:-
3.30 to 6 pm Movement at P.19.a.60.60. 3.40 pm PEREGRINE Em P.14.c. 3.10 pm TRALEE Em P.14.b. At repeated intervals between 11 am and 4.40 pm movement around LAKE Em O.24.c. Between noon and 7.30 pm movement in vicinity CODE Em O.23.d., SQUARE Em O.30.b., PARTVETJE Em O.24.d and OMBLETTE TRENCH O.24.c. These were all effectively engaged and parties dispersed. At 3.15 am wheeled transport was reported by Right Group "C" Division moving along Road in P.7.a. In reply to this some 60 rounds were fired in bursts of fire along Road from P.7.a.10.35 to P.13.b.55.35.

Calibrations were checked, Zero lines registered and some Instructional shoots carried out on Lock 4, P.13.a., POLL HOUSE O.18.a., FORT Blds O.18.d and TRAM HOUSE P.13.d during the day.

2. IDENTIFICATIONS. Nil.

3. HOSTILE SHELLING. Enemy Artillery were fairly active on our Right Group Sector throughout the day. Only one destructive shoot was carried out; this was on FANNYS' St in O.33.a and O.32.b., some 30 rounds of 4.2 being put over in this vicinity.

GAS. At 10.20 pm a few rounds of gas shell were fired on O.54.c, also at 6 am about 50 rounds of 77 m.m. Gas shell fell near DERRY HOUSE in O.27.a.

Slight increase of shelling on Centre Sector. Left Sector shelling comparatively light. T.M's active throughout period on Right Group front.

4. **ENEMY'S ATTITUDE.** Enemy's Artillery action continues normal. Enemy were actively engaged calibrating 77 m.m. and 4.2 batteries on STEIGNAST Em during the day. Shelling on Centre and Left Sectors confined to front line and forward areas. All enemy Artillery action during morning on our Right Sector appeared to come from COMINTS and South of COMINTS.
5. **ENEMY DEFENCES.** Nil.
6. **HOSTILE AERIAL ACTIVITY.** Enemy Aircraft was active throughout the day. At 9.30 am, 10.30 am, 11.15 am and 12.30 pm hostile planes attempted to cross our lines, but were driven off by our A.A. and M.G. fire.
7. **MOVEMENT AND ORGANISATION.** Considerable amount of new work noticeable in P.13.b.6.8 in the form of new trenches etc in what a few days ago was a clean space. Hedge 6 ft high runs N and S for about 200 yards. Hostile movement observed at CODE, SQUARE, PARTYNTJE, and LAKE Farms and OMBLETTE trench were engaged by our batteries - see OPERATIONS. 2.10 pm smoke observed coming from SQUARE Em.
- Visibility poor during morning, but very good throughout afternoon.
- 3 p.m. small red balloon floated over our lines.

J. Brunton Lieut,
for Reconnaissance Office,
5th Australian Divisional Artillery.

H.Q.
17th March, 1918.

HOSTILE SHELLING.

4/17/18.

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Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Right Group.						
7.45 am	10	77 mm	U.5.d.			
10 to 11 am	20	4.2	STEIGNAST Tm			Calibration.
10.25 to 10.50 am	25	4.2	U.3.o. SCHMITZEL Fm			
10.35 am	?	77 mm	MESSINES & Front L			
11.50 am	30	77 mm	STEIGNAST Tm			
10.54 to 11.18 am	30	4.2	U.4.b.	90° of COMINES	0.33.a.40.25	
12.15 to 12.30 pm	20	T.M's	0.35.b & d.			
12.15 pm	30	4.2	0.33.a & 0.39.b.			Destructive shoot on FANNY St.
12.50 pm	40	77 mm & 4.2	0.34.b.			
12.58 pm	15	4.2	0.33.o.			
1.5 pm	-6	4.2	0.31.o.			
1.10 pm	2	4.2	STEIGNAST			
1.10 pm	30	77 mm	0.33.o.			
1.30 to 1.40 pm	18	4.2	STEIGNAST			
1.45 pm	?	77 mm	U.5.d.			
4 to 4.5 pm	2	5.9	0.32.b.			
6.45 to 7.5 pm	42	5.9	U.16			
8.45 pm	8	4.2 shrap	U.8.a.			
11.45 pm	4	4.2 (2 Gas)	U.8.			
12.20 to 1.45 am	22	4.2 shrap &	77. U.9.			
8.45 to 9.10 pm	?	4.2	Front line			
10.20 pm	25	4.2	0.34.c.			25% gas
Centre Group.						
1.20 to 1.45 pm	120	4.2 gun	0.34.b.8.8	COMINES		
3 to 5 pm	40	77mm & 4.2 How	0.27.d.	WREVILOQ		
11 am	16	4.2 How	0.28.a.		0.28.o.25.95.	
12 noon	60	4.2 "	0.34.b-0.29.a.			
7.45 pm	?	4.2 & 5.9	0.22.b & d	125° Grid	0.27.b.3.1.	
8.30 pm	?	77 mm	0.29.a & o.	97° "	KILO Em	
Left Group.						
9.45 pm		4.2	0.11.o.	L edge BOUTHERI		
10 to 10.10 am	60	4.2 How	0.17.a.	96° Grid (SB)	0.10.d.85.80	
2.35 pm			4 flashes	100°-100°40' Grid	"	
6.10 pm			Flashes	98°30' & 99°30' "	"	C.B. informed 6.10 pm
2.50 pm			Flash	103° Grid	0.11.a.30.38	
4.45 pm		4.2 How	Flash	P.15.a.40.60	"	
4.55 am	45	4.2	0.11.a.	Flash-105° Grid	"	Flash to burst 10 secs
5.45 to 6.10 pm		4.2 & 5.9	Flash	110°30' Grid	0.15.d.70.50	
		4.2 or 5.9	Flash	109° Grid	"	
6.10 pm			Flash	99°30' "	"	
2.30 pm - 3.45 pm			0.11a.	113° Grid	"	

APPENDIX 17

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original
APPENDIX 17
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19
FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ROUTINE ORDER No.15.

- by -

Brig-General A.J.BESSELL BROWNE, C.M.G., D.S.O. - C.R.A. 5th. Aust. Divn.

Headquarters,
17th. February 1918.

102. - ATTACHMENT.

Capt. L.D. Sheppard, 5th. D.A. Col. is attached for duty
with 14th. A.F.A. Brigade. Dated 15.3.18.

103. - HONOURS & REWARDS.

Extract from Aust. Corps Routine Order No.63 of 11.3.18.
"Under authority granted by His Majesty the King, the
Corps Commander has awarded the Military Medal to the following.:-
In publishing their names he wishes to convey to them his
congratulations.

No.2026 Corp^s. W.F. Fremantle. - Z.5.A.M.T.M. Battery. "
No.1820 Gunner J.D. Wallace. - do. "

The C.R.A. wishes to convey his congratulations to the
recipients.

104. - RETURN OF BROKEN MECHANISMS, etc.

When portions of Mechanisms are demanded from the spares
held by the Divisional Ammunition Column, the broken parts are,
if possible, to accompany the demand. If it is not possible to
carry this out, Unit Commanders are responsible that the broken
parts are returned to the D.A.C. the following day.

105. - RETURNS - MACHINE GUNS.

Attention is directed to 5th. Aust. Div. Routine Order
No.144 of 15.3.18. Units will render the return to D.A.H.Q.
not later than noon on 28th. of each month.

106. - PAY BOOKS.

5th. Aust. Div. Routine Order No.142 is republished for
information :-

" All alterations in Pay Books must be initialled either
by the Pay Sergeant of the Unit concerned or by some other
representative of the A.A.P.C. In the case of debit entries, the
Paying Officer must initial the entry. Steps must be taken at
once to ensure that the initials of a responsible representative
are placed against alterations at present in pay books, and C.O.'s
will communicate to all ranks that it is forbidden for them to
be in possession of pay books not so initialled. Erasures must
not be made. If any alteration is necessary the words or figures
wrongly included will be struck out and the correction added and
initialled.

This order will be republished periodically in the
orders of all Divisional Units, and all ranks must be warned that
pay books found in their possession in future, if not meeting
the above instructions, will result in disciplinary action being
taken."

107. - RETURN OF EMPTY SUPPLY PACKAGES.

Special attention is directed to G. R. O. No.3596
which has been issued to all units.

P. T. O.

5th. Aust. D.A.R.O. No.15.17th. March 1918.

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108. - ORDERS.

Attention is directed to, the undermentioned orders which have been issued to Units :-

General Routine Orders. - Paras 3574 to 3607.

- 3582. - Return of Boxes , Horseshoe Nails.
- 3583. - Ordnance Stores - Cancellation of Indents.
- 3584. - Repair of Boots - Pattern of Half Soles.
- 3585. - Vaccination - Troops proceeding on leave to U. K.
- 3588. - Committals to Prison.
- 3589. - Disposal of Field Conduct Sheets of Soldiers committed to Military Prisons in the Field.
- 3595. - Water Tins.
- 3598. - Dust Caps - Return of to Base.
- 3603. - Leave to Wales.

A. I. F. Orders. paras 1146 to 1149.Fourth Army Routine Orders. Paras 1856 to 1878.

- 1860. - Box Respirators.
- 1861. - Courts of Inquiry.
- 1862. - Correspondence.
- 1865. - 18.pdr. Fuze Indicators.
- 1866. - German Ammunition.
- 1872. - Scrap Metal - Disposal of.
- 1873. - F. S. Boots.
- 1876. - Demonstrations in Cooking.
- 1877. - School of Cookery - Course for Company's Cooks.
- 1878. - Cooking in the Field.

Australian Corps Routine Orders. Paras 62 to 69.

- 65. - Fires.
- 66. - Misuse of Light Railways.
- 67. - F.P.Compound.
- 69. - Returns - Machine Guns.

5th. Aust. Div. Routine Orders. Paras 137 to 151.

- 138. - Documents dropped by the Enemy.
- 141. - Leave in France.
- 144. - Removal of Timber.
- 145. - Fires.
- 146. - Misuse of Light Railways.
- 147. - Returns - Machine Guns.
- 148. - Stables - Whitewashing of.
- 150. - Issue of Straw.
- 151. - Lights in Huts., etc.

Basil Morris

Captain,
Staff Captain,
5th. Aust. Divisional Artillery.

*original**War Diary*

For Official Use Only.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 17th March - to - 6 a.m. 18th March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. Minor bombardments were carried out throughout the period on active enemy T.M's in vicinity of KIWI O.36.c., O.36.a., U.6., and U.12. These were active between 8.15 a.m. and 10.30 am and at irregular intervals throughout the night. Our firing proved most effective; enemy being eventually silenced.

Much hostile movement was observed and effectively engaged by our Left Group throughout the period as follows: 1 On 16/3/18 between 9.10 am and 9.20 am enemy movement in O.18.a.70.45 and O.18.c.70.95 and during afternoon hostile parties were observed in vicinity of PIERGRINE Fm P.14.c., APPLE Fm P.19.a., P.19.a.80.40., P.20.d.25.50., P.13.a and d, and DICE Fm P.13.c. 17/3/18 Throughout the morning activity in vicinity O.18.c.80.90., O.18.b.20.80., O.18.a.70.45., O.18.c.70.95., P.19.a.80.40 and P.20.d.25.50 was successfully engaged. At repeated intervals throughout the afternoon enemy movement was observed at TRALHE Fm P.14.b., P.7.c.38.08., P.19.a., APPLE Fm, FORT Blds O.18.d., LAKE Fm O.24.c., CODE Fm O.23.d and SQUARE Fm O.30.b. 5.30 pm suspected infantry movement in P.13.a and d. These were all effectively engaged and parties dispersed. At 7 am enemy T.M. reported active by Infantry in vicinity of HIDGE Fm O.24.a. was engaged, but poor visibility prevented observation. This T.M. was again active at 7.15 pm when our 4.5 Hows engaged same and effectively silenced it.

Some 20 rounds were also fired on enemy T.M. in O.24.a.40.35 at 3 pm.

Registrations and Calibrations were checked throughout the day.

2. IDENTIFICATIONS. Nil.

3. HOSTILE SHELLING. Enemy Artillery have been more active throughout the past twenty-four hours on all Sectors. Shelling being widely dispersed. At 10 pm our Left Group Sector was heavily shelled with Gas (Phosgene). The shelling was well distributed over all battery positions and in vicinity of O.P's. About 800 rounds falling in vicinity of batteries. Casualties were light namely 1 officer and 3 other ranks. In addition our front line and forward areas in O.10, 11, 16 and 17 were also heavily shelled with Gas. About 2,000 rounds approx. falling in this Area. PARMA DUMP in W.18.b.20.70 was shelled by a 4.2 H.V. from direction left of WERVICQ. About 12 shells falling in this vicinity between 11 am and 12 noon. CORDUROY Rd was hit in two places, but no other damage was done.

See Table of HOSTILE SHELLING.

Page 2.

4. **ENEMY ATTITUDE.** Artillery more active than usual over all Sectors. Great increase in Gas shelling noted on our Left Sector. Battery positions and forward Areas.
5. **ENEMY DEFENCES.** Nil.
6. **HOSTILE AERIAL ACTIVITY.** Enemy Aircraft were active throughout the day. Several hostile planes attempted to cross our lines during the day, but were driven off by A.A. and M.G. fire. At 6 pm 11 enemy planes crossed our lines, but were successfully driven back. Enemy Balloons were observed at -

2° Left
50° Right
Zero
35° Right
220° Left
24° Left

of COMINES CHURCH from 0.33.0.50.45.

7. **MOVEMENT AND ORGANISATION.** Enemy movement observed in P.13.a., APPLE Fm, FORT Blds, PEREGRINE Fm and TRALEE Fm during the day.

8. **MATTERS OF GENERAL INTEREST.** Hostile gun flashes observed at T. B of 103°, 105°, 106° 30' and 107° from 0.19.b.6.3. These were 5.9 Hows and 77 m.m. Batteries firing Gas shell on front line and supports, Centre Sector located at T.B. of 103° and 106° from 0.19.b.6.3. Ammunition dump at magnetic bearing of 103° was blown up in retaliation on these batteries observed from 0.19.b.6.3. Loud explosion heard at sound bearing of 28° R of DATUM HOUSE from 0.33.0.50.45. New entrenchments observed in P.31.0.6.3.

Visibility. Rather poor during morning, but good in the afternoon.

W. D. Draxton Lieut.

for Reconnaissance Officer,
5th Australian Divisional Artillery.

H.Q.s, 18th March, 1918.

HOSTILE SHELLING

18/3/18

Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing	Observed from.	Remarks.
Right Group.						
9 to 11.25 am	284	77 mm	U.7.a & d. U.8.a.&			
9.10 to 10 am	20	4.2	U.9.c & U.15.d.	40° R of DATUM Ho.	0.33.a.45.25.	
9.15 to 10 am	30	77 mm	"	20° " "	"	
9.20 to 9.30 am	?	4.2	MESSINES	30° " "	"	
10.30 to 11 am	30	77 mm	STEIGNAST Fm & vicinity	30° L & 40° R " "	"	
11.30 to 11.45 am	12	5.9	STEIGNAST Fm			Calibration
12.15 to 12.25 pm	-3	5.9	GAPAARD			
12.12 to 12.48 pm	38	4.2	0.35.c & U.5.a.			
12.48 to 1.5 pm	8	5.9	U.4.d.80.98	M.b.102°	U.3.a.00.45	Silenced by Heavies
6 pm	11	77	Front line			
8.25 to 8.35 pm	30	77	Supports & HUIS Walk			
9.55 pm	3	77	FANNY'S Fm			
2.35 to 7 am	?	T.M's	Front line, STEIGNAST & GAPAARD			Active.
Centre Group.						
All day	100	4.2 How	0.29.a & c		0.19.b.6.3	
11 am	20	4.2 Gun	0.22.d.	WERVICQ	0.27.b.80.05	
12 noon	Lightly	4.2 How	WALL Fm 0.23.a.		0.19.b.6.3.	
3 pm	20	5.9 Gun	WYTSCHAETE 0.19.		"	
10 pm	? 77	mm Gas	0.17.c & 0.23.a.	103°	"	
10.30 to 11 pm	Heavy	"	0.22 & 0.28.	103°-106°	"	
11.10 pm	30	4.2 How	0.17.c.	113°	"	

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HOSTILE SHELLING continued. 18/3/18.

Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Left Group.						
11 am	-	77 mm	S.P. 10.11	SB 90° Grid	0.10.d.90.95	
1 pm	50	77 mm	GERMEN WOOD		"	
1.45 pm	-	77 mm	Flash	120° from HOUTHUM	"	
2 pm.	3	4.2	-	121 Grid	"	
2 pm.	60	5.9	O.10.d.90.95	-	"	
4.45 to 5.45 pm.	100	5.9	O.11 central	104° Grid	"	
4 to 4.15 pm	60	4.2 How	O.10.d.	102° & 105° Grid	0.10.d.90.90	Sent to C.B.
5.30 pm	40	5.9	-	104° Grid	"	(C.B. informed 5.35 pm Flash to report 28 secs. C.B. engaged effectively.)
3.15 pm	-	5.9 How	O.11.a.	96° Grid	0.15.d.70.50	Flash to fall of shell 31 secs. How ceased fire 6 pm & opened again 7 pm.
6 to 6.30 pm	-	4.2 How	O.11.a.	90° & 83° Grid	"	C.B. informed 6.25 pm.
10.10 pm	800	77 mm Gas	All Bty positions	95° Grid	0.15.d.80.50	Phosgene. Smell. Firing commenced 10.10 pm & eased off 10.35 pm.
"	-	4.2 & 5.9	DENYS WOOD	103° from HOUTHUM	14 Inf Bde	
"	-	-	Flashes	106° 30'	0.10.d.85.80	C.B. informed 10.10 pm
11 pm	-	-	O.14 Cen & O.14.b.	83° Grid	0.19.d.35.85	C.B. informed 11 pm.
8.40 to 9.20 pm	-	21 cm How	O.10.c.	VERVICQ	14th Inf Bde	C.B. informed 8.45 pm.
9.25 to 9.35 pm	6	4.2	O.8.a.	-	0.8.b.03.70	
7.30 to 9.20 am	-	H.T.H.	-	-	0.10.d.80.80	
6.5 pm	-	-	O.11.a Flashes	98° 30', 99° 30' & 98° Grid	0.10.d.85.80.	
3.40 pm	-	-	Flashes observed	92° 30' Grid	0.11.a.30.38	
2 pm	-	4.2 How	-	122° Grid	0.10.d.85.80	Firing from behind house.

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APPENDIX 18

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Original APPENDIX 18
Copy No. 21

SECRET.

AMENDMENT No 4 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173
dated 18/3/18

Headquarters,
23rd March, 1918.

The operation detailed in FIFTH AUSTRALIAN DIVISIONAL
ARTILLERY ORDER No 173 and Amendments Nos 1, 2 and 3, is CANCELLED.

Edgar H. Booth
Major,

Brigade Major,
5th Australian Divisional Artillery.

Issued at 10 p.m. to all recipients of Order No. 173 & amendments.

fib

HD original

Copy No. 21

APPEND 19

AMENDMENT No 1 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173. 18/3/18

app 18

Headquarters,
19th March, 1918.

The operation detailed in 5th Australian Divisional Artillery Order No. 173 dated 18/3/18 is postponed.

H. H. H. H.

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 4.15 p.m. to all recipients.

No. 173 FIFTH AUSTRALIAN DIVISIONAL ARTILLERY. No..... Date.....
--

fib

S E C R E T.

Copy No. 21

APPEND 18

app 18

AMENDMENT No. 2 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173, dated 18/3/18.

Headquarters,
19th March, 1918.

The operation detailed in 5th Australian Divisional Artillery Order No. 173 dated 18th March, 1918, will take place on the night of 20th/21st March, 1918, and not as stated in para. 1 of the above mentioned Order.

H. H. H. H.

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 8.30 p.m. to all recipients of 5th A.D.A. Order No. 173.

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APPENDIX

~~18~~

FIB

S E C R E T.

APPENDIX ~~18~~ 3

APPENDIX No. 3 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173
dated 18/3/18

Headquarters,
20th March, 1918.

The operation detailed in APPENDIX No. 2 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173 dated 19th March, 1918, will NOT take place tonight; having been further postponed.

L. Branton

pr
Brigade Major,

5th Australian Divisional Artillery.

Issued at 4.30 p.m. to all recipients of 5th A.D.A. ORDER No. 173

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*original
app 18*

APPENDIX 18.

Copy No. 22

SECRET.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER NO. 173.

Headquarters,
18th March, 1918.

Reference Maps 1-10,000 KORTEWILDE and BAS-WARNETON.

1. A raid will be carried out on the night 19th/20th March, 1918, by the 14th Australian Infantry Brigade.

Point of Entry - THE TWINS - O.L.L.d.95.25.

2. C.O. HOLLERBEKE Group will arrange the Field Artillery programme. The 1st Australian Divisional Artillery are co-operating. Details of Support required will be arranged by C.O. HOLLERBEKE Group with C.O. RIGHT Group, 1st Australian Divisional Artillery.

3. C.O. HOLLERBEKE Group will forward his programme for the approval of the C.R.A.

4. COUNTER BATTERY and HEAVY ARTILLERY SUPPORT will be arranged by this office with the AUSTRALIAN CORPS HEAVY ARTILLERY.

5. Times will be synchronised under arrangements to be made by this office.

6. ACKNOWLEDGE by wire.

H. H. H. H.

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 5 p.m. to:-

	Copy No.		Copy No.
• MESSINES Group	1	• C.B.S.O (thro' A.C.H.A)	12
• COSTAVERNE Group	2	• "Q" AUSTRALIAN CORPS	13
• HOLLERBEKE Group	3	• 14th A.I. Brigade	14
• C.O. RIGHT Group, 1st A.D.A.	4	• 15th A.I. Brigade	15
• D.T.M.O. 5th Aust. Divn	5	SIGNALS, 5th D.A.H.Q.	16
• 2nd Aust. Div. Arty	6	6th (Army) A.F.A.Bde	17
• 1st Aust. Div. Arty	7	Staff Captain	18
• "G" 5th Aust. Divn.	8	R.O.	19
• "Q" 5th Aust. Divn.	9	File	20
• R.A. AUSTRALIAN CORPS	10	War Diary	21 - 23.
• H.A. AUSTRALIAN CORPS	11		

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app 18

APPENDIX 18
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Wm Dray

"SECRET"

35

DEFENCE SCHEME.
of

Copy No.
HEADQUARTERS 5th AUSTRALIAN DIVISIONAL ARTILLERY.
No. G17/3836.
Date.....

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

Ref Map Sheet 58. Belgium

This DEFENCE SCHEME cancels present "B" Divisional Artillery Defence Scheme.

DEFENCE SCHEME must be handed ^{over} on RELIEF, and a receipt obtained.

Please ACKNOWLEDGE Receipt.

W. Stuller

Headquarters,
18th March, 1918.

Major,
Brigade Major.,
5th. Australian Divisional Artillery.

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SECRET.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

COMPOSITION and DISTRIBUTION.

HEADQUARTERS
5th AUSTRALIAN
DIVISIONAL ARTILLERY.
No. G17/3836.
Date.....

- Sheet "A" - AUSTRALIAN CORPS Sectors and BOUNDARIES and ORGANISATION of "B" DIVISIONAL SECTOR.
- Sheet "B" - Artillery Organisation and Sub-Division.
- Sheet "C" - Liaison Barrages.
- Sheet "D" - Counter Preparation and Artillery Policy.
- Sheet "E" - Co-operation with HEAVY ARTILLERY.
- Sheet "F" - Co-operation with FLYING CORPS.
- Sheet "G" - Co-operation with INFANTRY.
- Sheet "H" - Composition and Organisation of Medium Trench Mortar Batteries.
- Sheet "I" - Ammunition Supply.
- Sheet "J" - S.O.S. and use of LENGTHEN BARRAGE SIGNAL.
- Sheet "K" - Gas Organisation.
- Sheet "L" - Observation Posts and Relay Stations.
- Sheet "M" - Communications.
- Sheet "N" - Anti-Tank Defence and Protection against Low-flying Aeroplanes.
- Sheet "O" - Mobile Sections and Batteries.
- Sheet "P" - Action in the event of a withdrawal to cover the CORPS Line.
- Sheet "Q" - Action in the event of a withdrawal to cover the ARMY Line.
- Sheet "R" - Reinforcing Positions.
- Sheet "S" - Action in case of the front being reinforced by another Division.

- Appendix 1.-To accompany Sheet "B".
- Appendix 2.- " " " "C"
- Appendix 3.- " " " "E"
- Appendix 4.- " " " "H"
- Appendix 5.- " " " "I"
- Appendix 6.- " " " "L"
- Appendix 7.- " " " "P"
- Appendix 8.- " " " "Q"
- Appendix 9.- " " " "R"
- Appendix 10.- " " " "S"

Issued to :-	Copy No.		Copy No.
R.A. AUSTRALIAN CORPS.	1.	"A" Divisional Artillery.	29.
R.A. AUSTRALIAN CORPS.	2.	(2nd. Aust. Divl. Arty.)	
MESSINES Group.	3.- 7.	D.T.H.O. 5th. Aust. Divn.	30.
OOSTVAERNE Group.	8. -12.	C.B.S.O.	
HOLLBENKE Group.	13.- 21.	(through A.C.H.A.)	31.
6th. (Army) Aust. F.A. Bde.	22.	R.O.	32.
"G" 5th. Aust. Divn.	23.	Retained for Handing Over.	33.
Staff Captain.	24.	War Diary.	34 - 36.
8th. Aust. Inf. Brigade.	25.	File.	37.
14th. " " "	26.	Spare.	38 - 40.
15th. " " "	27.		
"C" Divisional Artillery.	28.		
(1st. Aust. Div. Arty.)			

H. Stanton

Major.,

March 1918. Brigade Major, 5th. Australian Divisional Arty.

SECRET.

SHEET "A"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

AUSTRALIAN CORPS Sectors and BOUNDARIES and ORGANISATION of "B" DIV. Sector.

AUSTRALIAN CORPS SECTOR.

The AUSTRALIAN CORPS Front is divided into 3 Divisional Sectors, and from Right to Left these Sectors are designated "A", "B" and "C" Divisional Sectors.

The Boundaries of the AUSTRALIAN CORPS Sector are as under :-

Northern Boundary.

A due east line through G.16.d.50.60 along River IYS (inclusive) to C.21.b.40.00 across river and along Northern Bank to C.19.a.80.45 to C.19.b.05.05 to C.19.b.13.10 to C.19.b.3587. to C.19.b.00.00 along South Bank of River IYS to B.18.d.20.65 to B.18.central. to B.18.a.00.70 to B.17.central to B.17.c.10.00 to B.16.c.85.75 to B.21.a.60.20 to B.13.b.10.45.

Northern Boundary.

The BASSEVILLE BRICK (J.26.b.30.50) - LOWER STAR POST - Road Junction I.30.d.0.6 - Railway Crossing I.28.b.75.30 - LOCK NO.8 - Road Junction I.31.c.25.90 - Road Junction ELZENWALLE H.36.c.7.8.

"B" DIVISIONAL SECTOR.

The Boundaries of "B" Divisional Sector are :-

On the South. From U.11.b.35.60 westwards along River DOUVE to T.3.c.45.40 - T.2.c.50.45 - T.1.c.00.25.

On the North. Lock No. 5 O.12.b.40.45 along HOLLERBECKE ROAD exclusive to O.10.b.55.52 - O.4.c.40.44 - O.9.b.61.95 - O.3.d.40.08 - O.9.a.88.97 - O.3.c.6732 - O.3.c.30.22 - O.2.d.63.57 - O.2.c.95.72 - O.2.a.7200 - O.1 cent. VIERSSTRAAT - N.16.b.90.30 - N.14.c.80.40 - N.13.c.20.70.

On the West. T.1.c.00.25 - T.1.a.15.30 - M.30.b.01.00 - M.30.b.70.00. M.24.d.55.65 - M.24.a.85.30 - N.13.c.20.70.

ORGANISATION of "B" DIVISIONAL SECTOR.

"B" Divisional Sector is organised for defence in depth as under:-

FIRST ZONE consisting of (Facing Line System,
(Support Line
(Reserve Line

SECOND ZONE or CORPS LINE.

THIRD ZONE or ARMY LINE.

As per Maps and Diagrams issued from time to time.

The line is held by two Infantry Brigades, of which the Right Brigade has four Battalions in the line, and is supported and relieved by a Brigade in reserve, while the Left Brigade has two Battalions in the line and two in reserve, and carries out its own reliefs.

FLANK DIVISIONS.

On our Right - Right Division, AUSTRALIAN CORPS.

On our Left - Left Division, AUSTRALIAN CORPS.

Issued March, 1918.

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SECRET. SHEET "B"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

ARTILLERY ORGANISATION and SUB-DIVISION.

1. "B" DIVISIONAL SECTOR is covered by three Brigades of Field Artillery organised into the following Groups :-

MESSINES Group.	with H.Q.	at	T.6.c.15.75.
OOSTTAVERNE Group.	with H.Q.	at	N.29.c.5.8.
HOLLEBEKE Group.	with H.Q.	at	N.18.b.90.25.

2. The Right Infantry Brigade Sector is covered by the MESSINES and OOSTTAVERNE Groups.
 The Left Infantry Brigade is covered by the HOLLEBEKE Group.
 The Inter-Group Boundaries are as under :-
 - (a) Between MESSINES and OOSTTAVERNE Groups.
 From O.29.c.40.00 along BLAUWEPPOORTBEEK to O.33.b.60.60 thence to road O.32.b.15.40 and thence a straight line to the Divisional Western Boundary.
 - (b) Between OOSTTAVERNE and HOLLEBEKE Groups.
 From O.23.b.30.80 to O.23.a.25.47 to O.23.a.12.65 - west along road through cross roads in OOSTTAVERNE to O.20.b.50.85 and thence a straight line to the Divisional Western Boundary.

3. The HOLLEBEKE Group at present consists of :-
 - 3 6-gun 18-pdr. Batteries.
 - 1 6-gun 4.5" Howitzer Battery.
 and, in addition, one super-imposed Field Artillery Brigade.
 These super-imposed Batteries are silent Batteries and only shoot for Defence of the Front; or, in case of S.O.S. when ordered to do so by the Group Commander.
 Two 18-pdr. Batteries of this Super-imposed Brigade occupy Reinforcing Positions of the present Front Line.
 The other 18-pdr. Battery and 4.5" Howitzer Battery of this Super-imposed Brigade occupy Reinforcing Positions of the CORPS Line.
 The 18-pdr. Battery occupying the Reinforcing Corps Line Position is, in addition, detailed as a Mobile Battery and is kept ready to move at the shortest possible notice. This Mobile Battery is in addition to the Mobile Sections detailed under Sheet "O" of this DEFENCE SCHEME.

4. The OOSTTAVERNE Group at present consists of :-
 - 3 6-gun 18-pdr. Batteries.
 - 1 6-gun 4.5" How. Battery.

5. The MESSINES Group at present consists of :-
 - 3 6-gun 18-pdr. Batteries.
 - 1 6-gun 4.5" How. Battery.

6. Each Battery of a Group, other than super-imposed Batteries, is responsible for the defence of an allotted portion of the "B" Divisional Sector, and unless the Battery is engaged in an operation all guns of the Battery are normally laid and loaded on their S.O.S. Lines, ready to open fire on receipt of the S.O.S. Message or Signal.

7. The Divl. CAMOUFLAGE Officer is at the DUMP near IZEBEL, N.30.b.3.7.
8. All repairs to vehicles and guns are carried out at No.25 Light Ordnance Workshops, NEUVE EGLISE.
9. APPENDIX 1 gives the compositions of above ARTILLERY Groups, Gun Positions, Arcs of fire, etc.

March, 1918.

SECRET SHEET "C"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

LIAISON BARRAGES.

1. Liaison Barrages with Divisional Artilleries on the Right and Left of "B" Divisional Artillery and Inter-Group Liaison Barrages have been arranged and scheduled in APPENDIX 2.

2. The rates of fire for any of the Liaison Barrages will be as follows :-

For the 1st.	5 minutes.	3 rounds per gun or how.	per minute.
" "	next 5 "	2 " " " " "	" "
" "	" 5 "	1 " " " " "	" "

18-pdrs.
AMMUNITION :- 75 % A. 25 % A.X. 4.5" How. 106 Fuze.

If more fire is required the Call must be sent again, when the above programme will be repeated.

3. The Artillery Group Commander of a Sector who calls for Liaison Barrages Right or Left, or both, from any of the schemes mentioned in Para. 1, is responsible for the tactical control of the 18-pdr. and 4.5" How. Batteries which are assisting him, and will issue all necessary orders to the Battery or Batteries through their respective Group Commanders until such time as he considers their assistance is no longer required.

When guns from one Sector have been called upon to do Liaison Duty, the Group Commander of the Group to which these guns belong must arrange to cover the front allotted to his Group with the remaining Batteries.

4. In all cases, support will only be received or given in the event of the unit called on being unengaged.

March, 1913.

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SECRET. SHEET "D".

Copy No. 35

"B" DIVISIONAL ARTILLERY ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

COUNTER- PREPARATION and ARTILLERY POLICY

COUNTER- PREPARATION.

1. In the event of an attack by the enemy being anticipated, Counter-Preparation measures will be ordered, the object of which will be to break up the enemy's attack before it is launched or to hinder the enemy's preparations.
2. During Counter-Preparation all Batteries must be able to revert to their S.O.S. Lines at a moment's notice.
3. Counter-Preparation Measures may be necessary during a period of some days before a hostile attack is launched. The object to be achieved is constant harassing of the enemy's positions of assembly on all lines of approach so as to hinder his preparations and cause casualties.
4. During the day all movement will be carefully looked for and fire opened on it at once. Zone Calls will be promptly answered.
5. Groups will prepare Schemes on the above lines, which will be at once put into operation on receipt of orders.
6. In the event of hostile fire being suddenly opened in such a volume as to indicate an attack, Group Commanders will at once order Counter-Preparation and report their action to Divl. Artillery H.Q.
7. When Counter-Preparation is ordered the normal daily allotment of ammunition lapses. Ammunition expenditure will be limited by the amount it is possible to supply to the guns. This amount will be about 100 rounds per 18-pr. and 100 rounds per 4.5" How. in action.
8. The normal procedure for Field Artillery at dawn when Counter-Preparation is ordered will be to put down a Rolling Barrage. This Barrage will commence on the S.O.S. Line and proceed by lifts of 100 yards to a depth of 1000 yards, or the process may be reversed under direction of Divl. Artillery H.Q. The Frontage to be covered will be detailed by Divl. Artillery H.Q. and as many Batteries as possible will take part in the operation.
Normal rate of fire -2 rds. per 18-pr. or 4.5" How per minute.

9. The following targets will be engaged by day and night by short bursts of fire.

MESSINES Group.

4.5" Hows.	Centre of Activity.	V.7.d.40.80.
"	"	V.1.d.45.35.
"	"	V.1.d.60.35.
Dug-outs.	"	U.36.d.90.70.
ESPERANCE CABT.	"	O.36.b.30.50.
ANGLE FARM.	"	O.36.a.80.70.
DATUM HOUSE.	"	O.36.a.30.23.
KIWI FARM.	"	O.36.c.55.50.
KINGSCLERE.	"	U.6.b.25.30.
OORONG FARM.	"	O.36.d.60.90.

P. 91.C.30.20

Contd. P.T.O. 1 18-pr. Bty.

March 1918.

- 2 -

COUNTER-PREPARATION (contd.)

- 1 18-pr. Battery Centre of Activity 0.36.d.20.55 and Centre of Activity 0.36.d.40.35 and tracks in 0.36. and P.31.
- 1 18-pr. Battery Centre of Activity - U.6.c.95.70 - U.6.d.20.80 to U.6.d.50.45 - U.6.d.25.30 and Centre of Activity V.7.a.09.11. - V.7.a.45.30. V.7.a.50.11. V.7.c.25.90 and tracks in U.12. and V.7. in Group Zone.
- 1 18-pr. Battery Centre of Activity P.31.c.30.20 and centre of Activity P.36.d.95.70 and tracks in U.6. and V.1.

OOSTAVERNE Group.

4.5" Hows.

RIFLE FARM - 0.23.d.15.95.	JULY FARM - 0.23.d.05.67.
WAM FARM. - 0.23.d.05.20.	BECK FARM. - 0.29.b.15.95.
GUARD FARM. - 0.29.d.50.15.	PILL FARM. - 0.24.a.50.30.
PILLEGREMS Farm. 0.24.a.95.20.	LAKE FARM. - 0.24.c.55.45.
PARTYNJE Farm. 0.24.d.70.30.	SQUARE FARM. - 0.30.b.50.30.
HEAD Farm. 0.30.d.04.75.	

- 1 18-pr. Battery BAB FARM - 0.23.d.65.90. TROUT FARM - 0.24.c.30.90 and tracks in SQUARES 0.23., 0.24., and P.19 in Group Zone.
- 1 18-pr. Battery BEL FARM - 0.24.c.25.65. Centre of Activity - 0.29.b.65.85 and tracks in SQUARES 0.29.b., 0.30.a and b and P.25.a and b.
- 1 18-pr. Battery PIKE HOUSE - 0.30.a.45.05 - QUAD FARM - 0.30.d.30.95 and tracks in SQUARES 0.29.d., 0.30.c & d, and P.25.c & d.

HOLLEBEKE Group.

4.5" Hows.

LOCK 5. - 0.12.a.40.45.	CANAL F.B. - 0.12.d.85.83.
PUMP Farm. - 0.12.a.20.11.	THE GIANT. - 0.12.c.35.70.
BANG FARM. - 0.17.b.95.35.	THE TWINS. - 0.11.d.95.25.
WHIZ FARM. - 0.17.d.70.85.	BOMB FARM. - 0.18.c.65.95.
HIGH & CENTRE Farms. - 0.18.c.30.20.	FLY BUILDINGS. - 0.23.b.65.95.
FORT BUILDINGS 0.18.d.30.95.	COPSE FARM. - 0.18.d.85.50.
	LOCK 4. - 0.15.a.70.60.

- 1 18-pr. Battery Centre of Activity 0.18.a.30.95. - SPUD FARM - 0.18.b.25.90. and Tracks in SQUARES 0.11. and 0.12. within the Group Zone.
- 1 18-pr. Battery Centre of Activity - POLL HQ. - 0.18.a.80.57 and Centre of Activity 0.18.c.70.68 and Tracks in Squares 0.17.b., 0.18.a., and 0.18.b. and 0.15.a.
- 1 18-pr. Battery Centre of Activity - 0.17.d.90.90. HEDGE FARM - 0.24.a.05.75 and Tracks in SQUARES 0.17.d., 0.18.c., 0.18.d., 0.15.c., 0.23.b., 0.24.a., 0.24.b. and P.19 in the Group Zone.

ARTILLERY POLICY.

1. In the present circumstances the policy for F.A. Group Commanders is to study every available source of information, and in close Liaison with the Infantry they are covering, to organise Counter-Battery, Counter T.M. and Counter H.G. Work, destructive series, and to seize fleeting opportunities, remembering that nothing is to interfere with measures taken to guard against a surprise attack by the enemy.
2. Generally speaking, the policy involves methodical shoots for the destruction of material, and sudden concentrations of fire both by day and by night for the destruction of personnel whenever an opportunity in which the losses inflicted on the enemy will be commensurate with the expenditure of ammunition involved. Fire in the case of a suspected relief is justifiable.

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S E C R E T S H E E T " E " .

Copy No. 357

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

D E F E N C E S C H E M E
CO-OPERATION ... with HEAVY ARTILLERY.

HEAVY ARTILLERY.

1. **HEAVY ARTILLERY, AUSTRALIAN CORPS, with Headquarters at LOCRE CHATEAU, M.28.D.80.45 cover AUSTRALIAN CORPS SECTOR.**
2. **The composition of HEAVY ARTILLERY, AUSTRALIAN CORPS is given in APPENDIX 3.**
3. **The Bombardment Group with which "B" Division is affiliated is the 12th. Heavy Artillery Brigade with Headquarters at N.20.d.5.2. This Brigade normally carries out Bombardments requested by G.O.C., "B" DIVISIONAL SECTOR.**
4. **Co-operation with HEAVY ARTILLERY is through "B" DIVISIONAL ARTILLERY HEADQUARTERS, except in the case of COUNTER BATTERY Work.**

COUNTER BATTERY, AUSTRALIAN CORPS HEAVY ARTILLERY.

1. **Counter Battery work is divided into the destruction and neutralisation of Hostile Batteries by our Heavy Artillery, assisted by our Field Artillery, and the destruction and neutralisation of hostile T.M's and Machine Guns, by our Field Artillery and Trench Mortars, assisted by Heavy Artillery for Special Tasks.**
 Therefore every effort must be made by Artillery to report Hostile Shelling at once, and for this purpose Group Commanders deal direct with the C.B.S.O., and then report their action to Divisional Artillery Headquarters.
 Reports of hostile shelling will always be sent to Counter Batteries at once, stating when possible, calibre, direction, rate of fire, and No. of hostile guns active.
2. **The result of their fire is most valuable information to the Counter Battery Office, more particularly when they engage Hostile Batteries. This information will at once be sent by Units to the C.B.S.O. (Counter Battery Staff Officer.)**

March, 1918.

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SECRET

SHEET "F"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

CO-OPERATION with FLYING CORPS.

1. The following Squares are allotted to Groups for N.F. CALLS :-

- MESSINES Group P.31., V.1., and V.7.
- OOSTTAVERNE Group. P.19 and 25.
- HOLLERBEKE Group. P.7 and 13.

2. The 3rd. Squadron, AUSTRALIAN FLYING CORPS, carries out all Aeroplane work on the front of the "B" Divisional Sector. Headquarters of the 3rd. Squadron, Australian Flying Corps are at BAILLEUL.

Groups wishing to register any targets with aeroplane observation apply to "B" Divisional Artillery Headquarters, who make arrangements with the Squadron.

On request, pilots come to Group Headquarters, and confer with Battery Commanders, with whose Batteries they are going to register or have registered.

3. A Wireless Mast is at all Group Headquarters.

N.F. and G.F. Calls will be answered by one Battery in each Group inside its own zone.

L.L. Calls will be answered by all Batteries which can be trained on the target regardless of zone.

If Batteries are engaged in important work such as a Barrage, one Section per Battery will be used.

4. All Officers must be thoroughly acquainted with S.S. 131 - "CO-OPERATION OF AIRCRAFT WITH ARTILLERY"

Ammunition expenditure on calls will be as follows :-

- N.F. 2 Salvoes. If call is repeated, Salvoes will be repta.
- G.F. Two rounds Gun fire.
- L.L. Three rounds gun fire.
- S.O.S. As for S.O.S. Signal.

5. SUPER-IMPOSED Brigade will not answer aeroplane calls unless they are already in action.

6. BALLOONS.

No. 16 Kite Balloon Section of No.6 Balloon Company -B.21.a.9.6.- works in conjunction with the front at present covered by this Divisional Artillery. No. 16 Kite Balloon Section is at B.3.a.6.7, Sheet 36.

This K.B.S. will always register any targets required. Groups send into Divisional Artillery Headquarters, targets which they require registering, and D.A.H.Q. make necessary arrangements with No. 6 Kite Balloon Company.

March, 1918.

SECRET.

SHEET "G".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

CO-OPERATION with INFANTRY.

LIAISON.

MESSINES Group Headquarters is at Right Infantry Brigade Headquarters. OOSTAVERNE Group Headquarters is at Left Infantry Brigade Headquarters, and carries out Liaison Duties for HOLLEBEKE Group. The C.O. HOLLEBEKE Group has direct telephone communication with the C.O. OOSTAVERNE Group.

Liaison Officers are found by Artillery as under :-

With.

Right Inf. Bde. H.Q.	by	C.O. MESSINES Group.
Right Bde. Right Btn.	by	An Officer detailed by C.O. MESSINES Gp.
Right Bde. Right Centre Btn.	by	" " " " " " " "
Right Bde. Left Centre Btn.	by	" " " " C.O. OOSTAVERNE Gp.
Right Bde. Left Battn.	by	" " " " " " " "
Left Bde. Right Battn.	by	" " " " C.O. HOLLEBEKE Gp.
Left Bde. Left Battn.	by	" " " " " " " "

An Artillery Liaison Officer remains with each Battalion Headquarters in the line during the hours of darkness.

Battery Commanders will visit Battalion Headquarters not less than twice a week.

Wherever possible, Battery Officers will visit the Front Line System of their zone not less than once a week, and should make it their business to become personally acquainted with the Infantry Officers whose Sectors they cover.

ARTILLERY SUPPORT.

Requests by the Infantry for Artillery Support both from Field and Heavy Artillery other than the S.O.S. will be made to Artillery Group Commanders. During the hours of darkness, the Liaison Officer will act as Advisor to the Battalion Headquarters in Artillery matters.

The Liaison Officer is in communication with his Battery and Group H.Q.

LOCATION of POINTS.

On request from an Infantry Officer, an Artillery Officer will always go forward to the Front Line System, in order that the Infantry Officer may point out to him on the ground, as opposed to the map, points of interest such as hostile T.M.'s., Machine Guns, etc.

March, 1918.

SECRET SHEET "H"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.
COMPOSITION and ORGANISATION of MEDIUM TRENCH MORTAR BATTERIES.

1. COMPOSITION. The Trench Mortar Batteries of "B" Division consist of 2 6-gun Batteries of 6" Newton Mortars. There are also in "B" Divl. Sector 3 9.45" H.T.M. (Mk.1) belonging to V/AUSTRALIAN H.T.M. Bty. Guns of the 6" Mortar Batteries in the line are under the Artillery control of the Artillery Group Commanders in the various sectors; supervised by the D.T.M.O. who arranges ration and ammunition supply and the reliefs of personnel. Guns of the H.T.M. Battery are under the control of the G.O.C., H.A.
2. ORGANISATION. and T.M. POSITIONS. (vide APPENDIX 4.)
 - (a) 6 6" Newton Mortars are placed in position to cover the present hostile front system.
 - (b) 6 6" Newton Mortars are placed in position to cover our present front line system.
 - (c) 12 2" Medium Mortars are placed in our support line to cover portions of the front line system along the whole of the Divl. Front. Positions (a) are offensive. Positions (b) and (c) are defensive. In the event of a hostile attack breaking into our Front Line System entailing the necessary evacuation of the (a) positions Trench Mortar personnel man the 2" and 6" Medium Mortars in positions (c) and (b) respectively. Personnel in detail has been told off by the D.T.M.O. to man each of the guns in positions (b) and (c) and are billeted within easy access.
3. AMMUNITION.
 - "(a) positions " not less than 50 rounds per mortar are kept at each position.
 - "(b) positions " 100 rounds complete are kept under suitable cover near each mortar.
 - "(c) positions" 50 rounds per mortar are kept in close proximity to each position under suitable cover.

Special provision has been made to keep the component parts and charges dry and in serviceable condition.
4. METHOD of SUPPLY. Ammunition is brought up to LA POLKA by Light Railway or MOTOR Transport from Railheads and thence forward as follows :-
 - MEDIUM MORTARS.
 - HESSLERS SECTOR. Ammunition is conveyed by Lorry or G.S. Wagon to O.X.F., transferred to Light Railway, and transported to LUMBY SIDING-U.8.b.10.70. - From the latter forward by train to "B" Refilling Point-U.5.d.54.67 from thence by carrying parties arranged for with the Infantry by the D.T.M.O.
 - COSTAVERNE Group. Sector. Ammunition is delivered by Light Railway to CLARKE'S SIDING O.15.a.0.0., thence forward by G.S. Limbered Wagons or pack mules and carrying parties arranged for with the Infantry by the D.T.M.O.
 - HOLLERBEKE SECTOR. Ammunition is delivered by Light Railway to CLARKE'S SIDING O.15.a.000., thence by tramway to close proximity of the mortars and carrying parties.

HEAVY TRENCH MORTARS.
Ammunition is supplied under arrangements made by the AMMUNITION OFFICER, HEAVY ARTILLERY, with O.C. V/AUSTRALIAN HEAVY TRENCH MORTAR BATTERY.

P.T.O./4. H.Q.

COMPOSITION and ORGANISATION of TRENCH MORTAR BATTERIES (contd.)

- 4. HEADQUARTERS D.T.M.O. PARIA DUMP. M.12.c.40.15.
 No.1 Bty. " " " "
 1 Bty. WUBVIERGHEM. T.5.c.50.95.

5. The Commanding Officer of a Field Artillery Group has tactical control of T.M's in his Group Sector.
 D.T.M.O. acts as adviser to Group Commanders and Infantry Commanders. The selection of T.M. positions and the disposition of mortars, will be arranged by the D.T.M.O. under instructions from Divisional Artillery Headquarters.
 C.O's Groups will arrange direct with D.T.M.O. for any destructive series by T.M. that they require to be carried out, and will decide whether covering fire is, or is not, to be given.
 Infantry will apply to D.T.M.O. or Group Commanders for any T.M. action they require.
 Notwithstanding the above, O's.C. T.M. Batteries are empowered to carry out "small" tasks at the request of a Battalion Commander, without reference to D.T.M.O. or Group Commander.
 No series will ever be fired without due warning having been given to Infantry.
 Every series is to have a definite object, such as the destruction of enemy's works or materiel, wire cutting or counter T.M., or counter M.G. Fire.
 Counter fire may be either a destructive or neutralizing series.
 D.T.M.O. and all other T.M. Officers will keep the closest touch with Infantry Brigadiers, Battalion and Company Commanders, and will endeavour in every way to carry out their wishes.
 Each T.M. emplaced will be allotted S.O.S. points by D.T.M.O. under instructions from Divisional Artillery Headquarters.
 All T.M. Officers should frequently visit Battalion Intelligence Officers.

March, 1918.

SECRET

SHEET "I".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

AMMUNITION SUPPLY.

A.

The system of ammunition supply on the present front is as follows:-

1. For the purposes of ammunition supply the Sector is divided into two systems viz :-
 - (a) Batteries served by Light Railway North of BECKHAM JUNCTION.
 - (b) Batteries served by Light Railways South of PECKHAM JUNCTION.
2. The Railway for the northern system is FUZEVILLE (O.K.D.), that for the southern DE KENNEDY (O.K.F.).
3. An Artillery Officer appointed by AUSTRALIAN CORPS and known as C.A.R.O. -Corps Ammunition Railhead Officer - is stationed permanently at each Railhead.
4. Ammunition is sent up to Railheads on demand from D.A.H.Q.
5. On receipt of demand from D.A.H.Q., "Q" AUSTRALIAN CORPS arrange for the despatch of the ammunition to Railhead from Base or from ARMY Reserve or CORPS Reserve, and wire to D.A.H.Q. the amount and approximate time of arrival at Railhead.
6. Chemical or other Special Shell is demanded by D.A.H.Q. from R.A., AUSTRALIAN CORPS by wire before 10 a.m. each Saturday covering a week's requirements. These demands, if approved, are available at Railhead approximately on the THURSDAY following.
7. D.A.H.Q. then notify C.A.R.O. concerned of the distribution of ammunition by Batteries, endeavoring as far as possible to complete truck loads for any one Battery - 800 18-pr. or 450 4.5" How.
8. This wire is repeated to Groups concerned for information of the Batteries.
9. C.A.R.O. at O.K.F. on receiving definite advice of time of arrival of train at O.K.F. wires to Groups for Guides for Batteries concerned to report to him at O.K.F.
C.A.R.O. at O.K.D. despatches ammunition as ordered by D.A.H.Q. either to Batteries or to A.R.P. at LA POLKA as required.
10. Ammunition is delivered to Batteries by DECAUVILLE in trucks.
11. C.A.R.O. arranges unloading from Broad Gauge to DECAUVILLE, hands over the ammunition to the Guides, and despatches the train.
12. Trucks are delivered to the nearest siding, see APPENDIX 4., to each Battery concerned, are immediately unloaded, and re-filled with empty cases.
13. Trucks are withdrawn from sidings under orders of the L.R. Authorities.
14. Ammunition for Batteries on the Southern System goes forward from O.K.F. on the X, 4. and SI Lines.
15. Ammunition for Batteries on the Northern System goes forward from O.K.D. via LA POLKA on the VI and VZ Lines.
16. In cases where the Battery positions are some little distance from the DECAUVILLE Sidings, the ammunition is brought from the Sidings to close proximity of gun-pits by Light Tram Lines under Battery arrangements.
17. Average time which elapses between demand by D.A.H.Q. for ammunition, to the time the ammunition is received in gun-pits is 3 days.
18. An allotment of ammunition for CORPS Line Positions will be held in Dumps as under :-
 - (1) Right Group at CLOUVERBAR -T.5.c.2.5., (2) LEFT Group at LA POLKA -N.27.d.8.8.
 - (3) CENTRAL Group at LINDENHOEK -N.27.c.7.4.
19. In the event of Light Railways not being available, ammunition will be brought by lorry or by G.S. Wagon to CORPS Line Dumps, and thence transported to Battery Positions by Battery Wagons.
20. Horse Transport is practically eliminated.

Contd. P.T.O./21

- 2 -

AMMUNITION SUPPLY (contd.)

21. Distribution of ammunition is shown in

APPENDIX 4.5

B.

In the event of CORPS Line Positions being occupied, Ammunition will be brought forward as under :-

(i) Under normal conditions, Ammunition will be ordered and delivered to nearest Railway Siding as in A.

(ii) Should however the available trucks on the Light Railways be insufficient to meet demands, ammunition will be delivered to CORPS Line Dumps by Motor Transport or G.S. Wagons. and thence forward to positions by Battery wagons

March, 1918.

SECRET. SHEET "J"

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

S.O.S. and USE of LENGTHEN BARRAGE SIGNAL.

S.O.S. ACTION The "S.O.S." SIGNAL is the call for immediate assistance from the Artillery normally covering the Sector in question sent by any responsible Officer in the Front Line. This Signal, whether by telephone or visual method (such as a rocket), is a call for a Barrage in NO MAN'S LAND. The "S.O.S" SIGNAL will be sent when the enemy are actually attacking.

The S.O.S. SIGNAL is notified from time to time. *been* RELAY POSTS for repeating these Signals have established and are shown in SHEET "L".

CODE CALLS. The following Code will be used when the S.O.S. is sent by telephone :-

Right Battrn.	Right Bde.	- S.O.S. MESSINES	RIGHT.
Right Centre Bn.	Right Bde.	- S.O.S. MESSINES	LEFT.
Left Centre Bn.	Right Bde.	- S.O.S. COSTTAVERNE	RIGHT.
Left Battrn.	Right Bde.	- S.O.S. COSTTAVERNE	LEFT.
Right Battrn.	Left Bde.	- S.O.S. HOLLEBEKE	RIGHT.
Left Battrn.	Left Bde.	- S.O.S. HOLLEBEKE	LEFT.

RATES of FIRE 18-prs., using 75%^A and 25% AX, will barrage the following line :-

HOLLEBEKE	0.12.a.85.55 - 0.11.d.80.26	- 0.12.c.00.00 - 0.18.a.00.30 -
Group.	0.17.d.70.60 - 0.23.b.65.90.	
COSTTAVERNE	0.23.b.65.95 to RIFLE FARM (0.23.d.15.95) to 0.23.d.10.62	
Group.	to WAM FARM (0.23.d.05.20.) to BEEK FARM (0.29.b.10.97) -	
	0.29.b.15.34 - 0.29.d.08.75 - 0.35.b.30.95.	
HOLLEBEKE	0.29.d.30.15 to 0.35.b.40.50	- 0.36.c.20.40 along Front
Group.	Line Trench to U.6.c.25.80-U.11.b.95.02.	

At each 18-pdr. Gun-pit 20 rounds are kept distinctly labelled "S.O.S" with fuzes correctly set. This ammunition is changed periodically, and the replaced ammunition is fired off.

FIELD HOWITZERS will bombard the specially selected points enumerated hereunder :-

HOLLEBEKE Group.	COSTTAVERNE Group.	MESSINES Group.
1 How. on each of the following :-	1 How. on each of the following :-	1 How. on each of the following :-
0.12.c.35.60.	0.29.d.46.15.	U.12.a.40.70.
0.11.d.95.23.	0.29.b.70.23.	U.6.a.40.45.
0.18.b.20.80.	0.23.d.63.90. (BAB Fm.)	0.36.a.20.20.
0.18.a.75.50.	0.24.a.05.72. (MIDGE Fm)	U.6.c.40.50.
0.18.c.65.95.	0.29.b.65.84.	0.36.c.20.45.
0.24.a.86.97.	0.24.c.10.70.	0.30.c.95.30.

On receipt of the "S.O.S" SIGNAL, both Field and Heavy Artillery will open fire. Rates of fire will be as follows :-

Field Artillery.	3 rounds per gun per minute for first five minutes.
2 " " " " " " " "	" second " "
1 round " " " " " " " "	" rest " "

The above provisions are not to be taken in limiting either Group or Battery Commanders from developing the full fire power of their Batteries in the event of their knowledge of the situation demanding it.

P.T.O./HEAVY ARTILLERY

- 2 -

S. O. S.RATES of FIRE (contd.)Heavy Artillery.

First five minutes. 6" How. } 1 round per gun per minute.
 60-pr. }
 8" How. } ½ round per gun per minute.
 9.2" How. }
 Next ten minutes. Half above rates.

All fire will cease at the end of fifteen minutes.

If the S.O.S. SIGNAL is repeated after the opening of fire, the maximum rate of fire will be reverted to and the procedure as laid down above carried out.

The Artillery will act on seeing the prescribed Rocket Signal whether the telephone is working or not, although the Rocket Signal should be confirmed by wire by the Infantry concerned. Telephone Lines to the Infantry are to be tested at least every half-hour during the day and night.

All Officers must clearly understand that it is their duty to obtain immediate information as to the situation for their higher formation; e.g., Batteries to Groups, and Groups to D.A.H.Q. It is only by this means that the necessary concentration of Artillery can be procured.

A sentry is always posted at each Battery Position as a Look-out during the day and night.

Pointers showing Inter-Group Boundaries and Battery Zone Boundaries are provided at each Battery Position.

COMMUNICATIONS.

A Battery receiving an "S.O.S" Call will repeat it at once to:-

1. Batteries on either Flank.
2. Group Headquarters.

The Groups will at once inform :-

1. Batteries in the Group.
2. Groups on either flank.
3. C.R.A.
4. Affiliated Heavy Artillery Group.

The C.R.A. will inform :-

1. H.A. AUSTRALIAN CORPS.
2. R.A. AUSTRALIAN CORPS
3. "G", 5th. Aust. Divn.

N.B. If the message has not come through the Battalion, the Battalion must be informed by the Group.

LENGTHEN BARRAGE SIGNAL.

The Artillery Liaison Officer at Battalion Headquarters is the only Officer authorised to use this Signal.

A Group Commander must take all steps in his power to restrict the lengthening of the Barrage to the guns covering the Battalion, whose Liaison Officer fired the Signal.

LENGTHEN BARRAGE SIGNAL is communicated to all concerned from time to time.

March, 1918.

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SECRET.

SHEET "K".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME

GAS ORGANISATION.

1. NORMAL PRECAUTIONS.

S.S. 193 "STANDING ORDERS for DEFENCE against GAS" have been issued to all concerned.

UNIT COMMANDERS are responsible that all precautionary measures and Instructions contained in the above-mentioned "STANDING ORDERS" are carried out.

2. WARNING of APPROACH of CLOUD GAS.

On an alarm of Cloud Gas being given in the Front Line System, the Alarm Signal will be sounded at all Battery Positions, etc, and will be continued for three minutes unless discontinuance is ordered by an Officer. In addition, the alarm will be passed by Telephone. These messages will take priority and will be sent in the following manner :-

GAS MESSINES - OOSTAVERNE - HOLLEBEKE etc., (Time) (From whom).

If alarm is heard and gas is not on the immediate front :-
GAS ALARM from (Name and direction from which heard) (From.)

3. ACTION DURING GAS ATTACK.

- (a) All ranks in trenches, dug-outs, cellars and O.P's will be roused.
- (b) Troops in Back Areas will put on Respirators at the first sign of gas.
- (c) In the case of a Smoke Attack, Respirators will be put on and worn until the smoke has passed as GAS may at any time be introduced into the smoke.
- (d) Officers and Other Ranks must not raise their Respirators to give orders.
- (e) Men with clothes saturated with gas are on no account to enter a dug-out with the infected garments on.

4. ARTILLERY ACTION.

Should the GAS CLOUD be unaccompanied by an Infantry Attack no S.O.S. Signal will be sent, but one of the following messages :-

GAS HOLLEBEKE RIGHT. GAS OOSTAVERNE RIGHT. GAS MESSINES RIGHT.
GAS HOLLEBEKE LEFT. GAS OOSTAVERNE LEFT. GAS MESSINES LEFT.

All Howitzers will be trained on the enemy's trenches from where the GAS is being discharged.

A Light Barrage of Field Guns will be put down in front of our posts to prevent hostile patrols from following up the Gas.

No intense "S.O.S." Barrage will be employed at this stage.

The enemy's trenches on the flanks of the Gas Discharge will be kept under fire and dead ground near the hostile front line will be shelled by bursts of 18-pr.fire.

5. GAS SHELL BOMBARDMENT.

In the event of a Hostile Gas Shell Bombardment "B"
Divisional Artillery Headquarters will be at once informed of the locality shelled and the direction from which the Bombardment is coming by the Group concerned.

Gas Rattles will be used in case of a Gas Shell Bombardment as distinct from Gas Cloud Attack.

March, 1918.

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SECRET. SHEET "L"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

OBSERVATION POSTS and RELAY STATIONS.
OBSERVATION POSTS.

- 1. The O.P's on the front at present covered by the 5th. Australian Division are shown in APPENDIX 6.
- 2. Groups are responsible for the up-keep of Field Artillery O.P's in their area.

3. The following records will be maintained at each occupied O.P.

<p>(a) The DAILY DIARY. It will contain matters of interest that occur during the day under the headings :- Observation. Work done by the ENEMY. Movement seen. Guns located or suspected. Working parties seen. General. Hostile Artillery Fire. Own Artillery Fire. The Diary will not be handed over on relief to another unit. Extracts from the DAILY DIARY of permanent interest will be entered up in the LOG-BOOK each evening.</p>	<p>(b) The LOG-BOOK. ARMY BOOK 152 (100 pages) will be used. The book will be divided into four parts, devoted to the following subjects :- PP 1-25. Work done by the Enemy. PP26-50. Movement seen. PP51-75. Guns located & suspected. PP76-100. General.</p>
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The LOG-BOOK will either be handed over to the next Battery that takes over the O.P. or should the O.P. be vacated for any cause it will be handed into Headquarters, 5th. Australian Divisional Artillery for safe custody.

S.O.S. RELAYS.

Each Group maintains one or more S.O.S. repeating stations, so sited as to ensure S.O.S. Signal being back to Batteries under any weather conditions.
Locations of these Stations are as under :-

GROUP.	LOCATION of STATIONS.	METHOD of REPEATING.
MESSINES.	U.4.a.35.25. O.34.b.20.30. O.33.c.40.35.	Lights. " "
OOSTAVERNE.	O.25.b.65.85. O.19.b.60.30.	Lights. By Telephone to Group.
HOLLERBEEK.	O.9.a.25.88.	Lights.

March, 1918.

SECRET.

SHEET "H"

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.
COMMUNICATIONS.

COMMUNICATIONS within the DIVISION.

1. Direct Line to G.O.C.R.A., AUSTRALIAN CORPS, with Alternative through 5th. Aust. Division Signal Office to AUSTRALIAN CORPS, thence to G.O.C.R.A.
2. One Line through 5th. D.A. Signal Office to AUSTRALIAN CORPS HEAVY ARTILLERY. One Line through 5th. D.A. Signal Office to 12th. H.A. Brigade.
3. Two direct lines from DIVISIONAL ARTILLERY SIGNAL OFFICE mainly through buried cable to each of the three Artillery Brigades - Left, Centre and Right.
Each Artillery Brigade has alternative means of communication through Infantry Brigades to which their Headquarters are connected, also through adjoining Artillery Brigades, and in the event of all other means of communication failing, have the advantage of visual and wireless from Brigade Headquarters to Divisional Headquarters.

LATERAL COMMUNICATIONS.

1. All 5th. Australian Divisional Artillery Brigades are connected laterally also connected to Flank Brigades on Left and Right of the 5th. Australian Divisional Front.
2. Each Artillery Brigade is connected to their respective Batteries by two telephone lines with visual and pigeons as alternatives.
3. All Battery O.P.'s and Divisional O.P.'s are in communication by telephone mainly through buried system, with their respective Headquarters. Each of the O.P.'s are provided with alternative means of communication, either pigeons, visual or runners, whichever the situation demands.
4. Divisional Artillery Exchange is in communication with the D.T.M.O. and the Divisional Ammunition Column direct, and with Artillery Ammunition Dump through KIBLER Exchange.

N.B. Diagrams showing all Communications are kept up to date at Divisional Artillery Headquarters, and each Artillery Group Signal Subsection Officer has a diagram of the Communications affecting his Group.

March, 1918.

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SECRET. SHEET "N".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

ANTI-TANK DEFENCE and PROTECTION against LOW-FLYING AEROPLANES.

ANTI-TANK DEFENCE.

1. Two 15-prs. have been emplaced in each Group Sector as follows :-

	Location.	Normal Ang.	Remarks.
MESSINES Group.	1. U.4.a.1.4.	70o - 125o.	(Dead ground in U.5.o & d & U.6.a.& c.
	2. O.33.d.central.	75o - 130o.	
OOSTTAVERNE Group	3. O.27.d.95.55.	70o - 120o.	
	4. O.28.a.05.15.	40o - 100o.	
HOLLERBEKE Group.	5. O.10.c.8.2.	45o - 110o.	(Dead ground in O.17.d.
	6. O.15.d.8.5.	65o - 130o.	

These positions are sited to cover dead ground on adjacent Group Sectors, are well forward, and permit of all laying being done by open sights.

250 Rounds H.E. are at each Gun Position.

2. In the case of a hostile attack these positions are not to be given away prematurely, and although the primary object is the destruction of hostile tanks, yet full advantage is to be taken in their employment against hostile Infantry should favorable opportunities occur.

PROTECTION AGAINST LOW-FLYING AEROPLANES.

1. LEWIS Guns are in position at :-

U.7.c.8.3. (1)	O.8.b.40.11. (1)
U.7.d.0.7. (1)	O.19.b.25.30. (2)
U.1.a.7.9. (2)	O.25.b.70.40. (1)

In addition to action against enemy air-craft, one half of these guns are so sited as to be able to bring fire to bear on the wire entanglements protecting the Battery Positions. All these guns are under the direct orders of Group Commanders for tactical purposes, and may, in case of emergency be used for the close protection of Artillery Batteries against Enemy Infantry.

2. In addition to above-mentioned LEWIS GUNS, each Battery has its own 2 LEWIS GUNS in action, ready to defend the Battery Position as may be required.

March, 1918.

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SECRET.

SHEET "O".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME
MOBILE SECTIONS and BATTERIES.

1. In each Group Sector, 1 complete Section of 18-prs. (less first-line wagons) is detailed as a Mobile Section. The Section Commander is responsible for having an intimate knowledge of the whole of the Group Front.
2. These Sections are for use against a hostile tank attack, and for inflicting loss on the enemy as and how the tactical situation permits in case of a hostile attack.
Wagon Lines for these Mobile Sections are in close proximity to Group Headquarters.
3. Mobile Sections receive their orders direct from Group Commanders, who inform the C.R.A. of any action they take.
4. In addition to the above, a Battery of the Super-imposed Brigade on the HOLLERBACH Group Front is detailed as a Mobile Battery as outlined in SHEET "B" of this DEFENCE SCHEME.

March, 1918.

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S E C R E T. S E C R E T "P".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR; AUSTRALIAN CORPS.

D E F E N C E S C H E M E.

ACTION in the EVENT of a WITHDRAWAL to cover the CORPS LINE.

1. Initial orders for the retirement of guns will be issued by the C.R.A., but the subsequent details will be left to Group Commanders.
2. In the event of a withdrawal the Artillery covering the Divisional Front will operate as 3 Groups. The HOLLERBEKE as the NORTHERN GROUP, the OOSTAVERNE as the CENTRE GROUP, and the MESSINES as the SOUTHERN GROUP. Boundaries are shown in SHEETS "A" and "B".
3. The NORTHERN and SOUTHERN Groups are responsible that no gaps are left between them and the Divisions on their Left and Right respectively and all Groups are responsible that no gaps are left between Groups.
4. There are 3 (three) cases to be considered.
 - (a) Withdrawal without Reinforcing Brigades.
 - (b) Withdrawal when Reinforcing Brigades are already in position covering the CORPS LINE.
 - (c) Withdrawal when both Existing and Reinforcing Brigades occupy positions covering the present front zone.

Case (a). Group Commanders will base their orders for withdrawal in accordance with the requirements of the Infantry, and satisfy themselves that as few guns as possible are put out of action at one time.

Case (b). The Group Commanders of the present Front Line have tactical control of their Batteries during the withdrawal. The Brigade Commander in MESSINES SECTOR - the Senior Brigade Commander of the Batteries in CORPS LINE POSITIONS takes tactical control of Batteries as they come into action in CORPS LINE POSITIONS and of the Batteries already in CORPS LINE POSITIONS as soon as a withdrawal from the present Front Line is ordered.

Case (c). The Brigade Commander in MESSINES SECTOR - the Senior Brigade Commander of the Reinforcing Batteries takes up his Headquarters for CORPS LINE POSITIONS and takes tactical control of Batteries as they arrive in CORPS LINE POSITIONS.

N.B. In Cases (b) and (c) the LIAISON between Brigade Commanders covering a Sector must be of the closest nature.

5. APPENDIX 7 shows the allotment of positions to cover the CORPS LINE and gives positions for a Reinforcing Brigade for each of the HOLLERBEKE and OOSTAVERNE Groups and positions for 8 Reinforcing Batteries for the MESSINES Group. In addition, Headquarters and O.P.'s are shown.

March, 1918.

S E C R E T.

S H E E T "Q".

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

D E F E N C E S C H E M E.

ACTION in the EVENT OF A WITHDRAWAL to cover the ARMY LINE.

1. Initial orders for ~~these~~ retirement of guns will be issued by the C. R. A., but subsequent details will be left to GROUP COMMANDERS.
2. The policy to be pursued will be similar to that in the event of a withdrawal to cover the CORPS LINE from the present Front Zone positions, vide SHEET "P".
3. APPENDIX 8. shows the allotment of positions to cover the ARMY LINE and gives positions for a Reinforcing Brigade for each of the MOULLEBEKE and OOSTVAERNE GROUPS, and Positions for 8 Reinforcing Batteries for the MESSINES Group.
Headquarters and O.P.'s are also shown.

March, 1918.

SECRET

SHEET "R".

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME

REINFORCING POSITIONS.

1. APPENDIX 9 shows Reinforcing positions to cover the present Front Zone.
Positions are shown for 1 Reinforcing Brigade for each of the Hollebake and OOSTTAVERNE Groups and for 2 Reinforcing Brigades for the MESSINES Group.
2. Every position in every Zone is marked on the following system :-

HOLLEBAKE Brigade positions are marked	-	Z.
HOLLEBAKE Brigade positions (Reinforcing) are marked	-	Z.R.
OOSTTAVERNE Brigade positions are marked	-	Y.
OOSTTAVERNE Reinforcing Brigade Positions are marked	-	Y.R.
MESSINES Brigade positions are marked	-	X.
MESSINES 1st. Reinforcing Brigade positions are marked	-	X.R.
MESSINES 2nd. Reinforcing Brigade positions are marked	-	X.X.R.
Batteries in each Brigade are lettered A, B, C, and D (4.5" How.)		
3. First Zone positions have no numbers.
Corps Line Positions are numbered 2.
Army Line Positions are numbered 3.
Thus Y.R.A. marks the position for the Battery reinforcing the "A" Battery of the OOSTTAVERNE Brigade in the Front Zone.
Y.2.R.A. and Y.3.R.A. mark its position in the second and third Zones.
4. All Officers and a proportion of N.C.O's of Batteries now in the line must know the positions selected for them and their Reinforcing Battery in the Second and third zones and approaches to same.
5. Work will be carried out in the following order :-
 - (A)
REINFORCING POSITIONS.
 1. Make Gun Platforms.
 2. Control Stations to be constructed.
 3. Wire to be placed in Control Stations labelled to show where test point is.
 4. Re-section of Positions.
 5. Aiming posts to be planted.
 - (B)
2nd. or BATTLE ZONE.
 1. Re-section of Positions.
 2. Gun Platforms to be made.
 3. Control Stations to be constructed, with wire labelled showing nearest test box.
 4. Aiming posts to be planted.
 - (C)
REAR ZONE.
 1. Positions to be marked with board.
 2. Routes to be reconnoitred.
 3. Refilling Points to be known.

March, 1918.

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SECRET.

SECRET "S".

Copy No.

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

ACTION in the case of the FRONT being REINFORCED by ANOTHER DIVISION.

1. If the "B" DIVISIONAL FRONT is reinforced by another Division, the Reinforcing Division will take over from "B" Division from the present Southern "B" Divisional Boundary as far North as the WALBEEK.
2. The present MESSINES Group reinforced by 2 Artillery Brigades will pass to the Command of the Reinforcing Division and become the A1 Divisional Artillery.
3. The A1 Divisional Artillery will remain as one Group or may be sub-divided into 2 Groups.
4. The present OOSTVAVEREN and HOLLERBERG Groups, reinforced by 1 Artillery Brigade each will constitute the "B" Divisional Artillery.
5. The new "B" Divisional Sector will be organised on a Two-Brigade Front, each Brigade to have 2 Battalions in line.
6. Boundaries are shown in APPENDIX 10 for A1 and new "B" Divisional Artilleries, which as far as concerns "B" Division coincide with Infantry Boundaries.

March, 1918.

SECRET.

APPENDIX 1.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

M I S S I L E S Group. POSITIONS, ZONES, O.P.'s etc.

Battery.	Bty. Position.	O.P. Position.	High Lines, S.O.S.	Normal Zone.	Gun.	Maximum Zone from GRID Lines.	Wagon Lines.
49th.	U.1.a.70.39.	O.33.a.40.25.	O.36.a.2.4. along F.L. Trench to O.35.b.4.5. to O.29.d.30.15.	O.36.c.0.4 to O.36.c.0.1 and due east.	1. 2. 3. 4. 5. 6.	1000 - 480. 105 - 50 105 - 42 105 - 55. 110 - 65. 108 - 60.	T.20.a.8.0.
50th.	U.13.a.80.80.	U.5.c.00.45.	U.11.b.95.02 to U.6.c.25.80.	U.12.a.0.2 to U.6.c.0.8. and due east.	1. 2. 3. 4. 5. 6.	940 - 420 89 - 50 87 - 47 920 - 50. 100 - 55. 90 - 46.	N.21.c.6.3.
51st.	O.31.a.55.05 (4 Gns.) O.31.b.90.45. (2 Gns.)	O.33.c.9.4. (site only.)	U.6.c.25.30 along F.L. Trench to O.36.c.2.4.	U.6.c.0.8. to O.36.c.0.4. and due East.	1. 2. 3. 4. 5. 6.	1270 - 630. 120 - 60. 122 - 57. 120 - 60. 121 - 59. 90 - 46.	T.20.c.2.2.
115th.	U.7.d.69.70.	O.33.c.50.45. (also used as a Group NIGHT O.P.)	1 How. on each of the following points. U.12.a.4.7. U.6.a.40.46, O.36.a.2.2., U.6.c.4.5. O.36.c.20.45, O.30.c.95.30.	U.12.a.0.2. to O.30.c.0.1. and due east.	1. 2. 3. 4. 5. 6.	1160 - 640. 118 - 73 113 - 68 118 - 58 118 - 58 116 - 55	T.26.b.5.5.

March, 1918.

SECRET

APPENDIX 1.
"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

REFERENCE

SCHEME.

Copy No. 35

COOSTAVERNE GROUP. POSITIONS, ZONES, O.P.'s etc.
 Group Headquarters. N.29.c.5.8. H.Q. Wagon Lines. N.33.c.7.7.

Battery.	Position.	O.P POSITION.	Night Lines, S.O.S.	Normal Zone.	Gun.	Maximum Zone from GRID Line.	Wagon Lines.
53rd.	0.25.b.65.78. 4 guns. 0.26.c.20.90. 2 guns.	0.28.a.35.05. (Forward) 0.19.d.50.65. (Rear.)	0.23.b.65.95 to RIFLE FARM-0.23.d. 15.95-to 0.23.d. 10.62.	Opposite S.O.S. Lines.	1. 2. 3. 4. 5. 6.	65n - 120n 61n - 118n 72n - 110n 62n - 115n 60n - 101n 60n - 110n	T.3.b.2.9.
54th.	0.25.b.70.40.	0.27.b.80.05 (Forward) 0.19.d.68.83 (Rear)	0.23.d.10.62 to WAIN FARM-0.23.d.05. 20 -to BEEK FARM - 0.29.b.10.97 to 0.29.b.15.34.	Do.	1. 2. 3. 4. 5. 6.	59n - 106n 56n - 99n 56n - 106n 69n - 112n 61n - 117n 61n - 120n	N.33.c.7.7.
55th.	N.30.d.95.12.	0.28.c.25.95 (Forward) 0.19.d.60.90 (Rear)	0.29.b.15.34 to 0.29.d.08.76 to 0.35.b.30.95.	Do.	1. 2. 3. 4. 5. 6.	67n - 105n 63n - 105n 69n - 109n 55n - 120n 65n - 124n 65n - 109n	N.27.a.4.8.
114th.	0.19.b.25.30.	0.19.b.6.3. 0.19.d.8.8. (Rear)	1 How. on each of the following points GUARD FARM-0.29.d.46.15 0.29.b.70.23, BAB FARM- 0.25.d.63.90-HIDGE FARM 0.24.a.05.72-0.29.b. 65.84., 0.24.c.1.7.	Whole Group Front.	1. 2. 3. 4. 5. 6.	65n - 120n 80n - 120n 75n - 110n 70n - 130n 65n - 120n 62n - 120n	S.12.a.8.5.

March, 1918.

SECRET.

APPENDIX 1.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS. DEFENCE SCHEME

HOLLIBROOK GROUP, POSITIONS, ZONES, O.P.'s, etc.
 Headquarters Wagon Lines. N.20.d.3.1.
 N.18.b.90.25.

Group H.Q.

Battery.	POSITIONS.	O.P. Position.	Night Lines. S.O.S.	Normal Zone.	Gun.	Maximum Zone From GRID Lines.	Wagon Lines.
7th.	0.9.a.50.50.	0.10.d.85.80.	0.12.a.85.55 to 0.11.d.95.40.	880 to 1230. To cover Group S.O.S. Line.	1. 2. 3. 4. 5. 6.	740 - 1190. 66 - 125 63 - 126 69 - 121. 69 - 120 65 - 119	N.32.central.
8th.	0.7.d.55.05.	0.11.a.30.38.	0.17.b.90.10 to 0.17.d.70.60., 0.23.b.65.90.	300 to 1030. To cover Group. S.O.S. Line.	1. 2. 3. 4. 5. 6.	740 - 1140. 83 - 125 66 - 111 70 - 115 77 - 112, 68 - 118.	N.32.central.
9th.	0.8.d.70.80.	0.10.d.90.95.	0.11.d.95.40 to 0.11.d.80.26 - 0.12.c.00.00 - 0.13.a.00.30 - 0.17.b.90.10.	840 to 1100 To cover Group S.O.S. Line.	1. 2. 3. 4. 5. 6.	800 - 1340. 72 - 125. 65 - 129. 80 - 135. 68 - 127. 65 - 125.	N.32.central.
103rd.	0.14.b.20.65..	0.11.a.30.38.	1 How. on each of the following 0.12.c.35.60. 0.11.d.95.23. 0.13.b.20.80. 0.18.a.75.50. 0.18.c.65.95. 0.24.a.56.97.	760 to 1060 To cover Group S.O.S. Line.	1. 2. 3. 4. 5. 6.	800 - 1200. 780 - 1200. 680 - 1120. 75 - 120 58 - 108 73 - 110	N.32.central.

March, 1918.

APPENDIX 18

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SECRET.

APPENDIX 3 (contd.)

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

HOLLERBEKE Group. (contd.)

POSITIONS, ZONES, O.P's etc., of REINFORCING/

BATTERIES.

Group H.Q.

N.17.d.20.20.

Headquarters WAGON LINES, T.21.d.2.1.

Battery.	Positions.	O.P. Position.	Light Lines, S.O.S.	Normal Zone.	Gun.	Maximum Zone from GRID Lines.	Wagon Lines.
16th.	0.8.b.03.70.	0.15.d.70.50	0.12.a.85.55 - 0.11.d.95.40 - 0.11.d.89.26 0.12.c.00.80 - 0.18.a.00.80 being super-imposed on HOLLERBEKE Group S.O.S.	900 to 1070 GRID.	1. 2. 3. 4. 5. 6.	900 to 1200 780 " 1210. 770 " 1150. 750 " 1200. 880 " 1120. 790 " 1260.	S.30.c.5.6.
17th.	0.14.a.60.22.	0.15.d.70.50.	0.18.a.00.80 - 0.18.a.00.30 - 0.17.d.70.60 - 0.23.b.65.90.	86030' to 1000 GRID.	1. 2. 3. 4. 5. 6.	700 " 1150. 690 " 1150. 700 " 1170. 680 " 1150. 670 " 1150. 700 " 1220.	S.30.d.2.7.
18th.	N.23.b.66.04.	0.15.d.70.50.	Only to fire in defence of the Front.	Nil.	1. 2. 3. 4. 5. 6.	590 " 960. 580 " 1020. 580 " 1020. 620 " 1050. 550 " 1000. 590 " 1080.	B.1.b.1.5.
106th.	N.23.d.22.84.	0.15.d.70.50.	Do.	Do.	1. 2. 3. 4. 5. 6.	420 " 1180. 480 " 1080. 460 " 1100. 480 " 1080. 480 " 1080. 450 " 1110.	T.14.b.2.2.

APPENDIX 18

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SECRET.

"P"

APPENDIX 2.
DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.
LIAISON BARRAGES.

Copy No. 35
DRENNER SCHEME

Unit attacked.	Call Sent.	To Whom Sent.	ASSISTANCE GIVEN.
"C" Divl. Arty on Right.	Help CANAL.	HOLLEBEKE Group.	1 18-pr. Battery 0.12.b.25.80 to 0.12.b.85.40. 2 4.5" Hows. on HOLLEBEKE CHATEAU. 2 4.5" Hows. on LOCK 5.
HOLLEBEKE Group on Left.	Help AUSTRAL.	"C" Divl. Arty.	3 18-pdr. Batteries 0.12.a.80.58 to 0.17.b.85.98. 2 4.5" Hows. on LOCK 5. 2 4.5" Hows. on bridges 0.12.d. 2. 4.5" Hows. on PULP FARM - 0.12.b.30.11.
HOLLEBEKE Group on Right.	Help HOLLEBEKE.	OOSTTAVERNE Group.	2 18-prs. FLY BLDGS. to 0.17.d.74.45. 2 18-prs. 0.17.d.83.90. to 0.17.d.83.90. 2 18-prs. 0.17.d.83.90. to BANG FARM 0.17.b.90.30. 1 4.5" How. on MIDGE FARM - 0.24.a.1.8. 1 4.5" How. on CENTRE FARM - 0.18.c.6.1. - 1 4.5" How. on BONE FARM 0.18.c.6.9.
OOSTTAVERNE Group on Left.	Help OOSTTAVERNE.	HOLLEBEKE Group.	1 18-pr. Battery 0.18.c.0.0. to 0.24.a.0.9. to 0.23.d.5.6. 1 4.5" How. on PILL FARM - 0.24.a.5.3. 1 4.5" How. on EEL FARM - 0.24.c.4.7.
OOSTTAVERNE Group on Right.	Help OOSTTAVERNE.	MESSINES Group.	1 4.5" How. on CENTRE FARM - 0.18.c.6.1. 1 18-pr. Battery 0.29.d.4.0. to 0.29.d.7.9. 1 4.5" How. on PIKE HOUSE - 0.30.a.45.05. 1 4.5" How. on FLATHER FARM 0.30.c.4.8.
MESSINES Left. Group on/...	Help MESSINES.	OOSTTAVERNE Group.	1 18-pr. Bty. 0.29.d.40.00 - 0.35.b.25.55 - 0.35.b.95.00. 2 18-prs. enfilade MILITARY ROAD 0.25.b.50.50 to 0.36.a.55.30. 1 4.5" How. on HEAD FARM, 0.30.d.05.80. 1 4.5" How. on OTIRA Trench 0.36.a.67.95 to 0.30.c.77.07.
MESSINES Group on Right.	Help MESSINES.	"A" Divl. Arty.	2 18-pr. Batteries U.11.b.98.30 - U.6.c.10.30. 1 4.5" How. on U.12.c.12.70. 1 4.5" How. on U.12.c.00.90.
"A" Divl. Arty on Left.	Help BASSEVILLE.	MESSINES Group.	1 18-pr. Battery U.11.b.98.30 - U.12.c.20.30. 2 4.5" Hows. on U.12.c.2.8.

March, 1918.

APPENDIX 18

DEFENCE SCHEME. COMPOSITION and DISPOSITION of H.A. Units.

Code Call.	Position Call.	Brigade or Battery.	Nature.	No. of Guns.	Pers- onnel.	LOCATION.	ARC of FIRE.
HAIDICAP.	E. 34.	18th. Bde. R.G.A.	-	-	-	N.5.d.15.55.	Lt-Col. J. C. HANNA, D.S.O.
HAIO.	E.T. 1.	117th. Sge. Bty.	9.2" How. Mk. 11)	4.	4.	I.32.c.0.2.	70c - 130c.
HAIT.	E.U. 37.	180th. " "	6" How.	4.	4.	O.3.b.90.65.	60c - 120c.
HAPPY.	F.R. 109.	218th. " "	6" How.	4.	4.	O.3.e.77.20.	60c - 120c.
HJELLIP.	L.S. 1.	236th. " "	6" How.	4.	4.	I.34.c.3.3.	70c - 130c.
(Affiliated for Bombardment Work to Left Division.)							
HAFT-FORD.	F.H. 31.	12th. Bde. R.G.A.	-	-	-	I.20.d.5.2.	Lt-Col. T. J. KELSALL.
HALBARD.	F.V. 59.	70th. Siege Bty.	8" How. Mk. VI)	6.	6.	O.13.c.5.6.	70c - 130c.
HALCYON.	F.R. 49.	242nd. " "	6" How.	4.	4.	O.9.a.6.9.	80c - 140c.
HALLIUT.	F.R. 45.	267rd. " "	6" How.	4.	4.	O.8.d.65.55.	70c - 140c.
HALLIBAL.	F.R. 81.	319th. " "	6" How.	4.	4.	O.9.b.05.85.	65c - 132c.
HAEDWORK.	Attached. F.R. 6.	80th. Sge. Bty.	12" How. Mk. 1 Rly. Mounting.	2.	2.	O.8.b.2.1.	60c - 133c.
HANGMAN.	F.T. 4.	No. 5 R.M.A.	15" How.	1.	1.	O.25.a.55.47.	77c - 122c.
(Affiliated for Bombardment Work to Centre Division.)							
HARVEST.	G.A. 22.	52nd. Bde, R.G.A.	-	-	-	T.19.a.5.2.	Lt-Col. R. WIGHTON, D.S.O.
HASSOCK.	G.K. 52.	10th. Siege Bty.	9.2" How. Mk. 1.)	6.	6.	U.19.c.50.90 (4)	60c - 120c.
HALDOCK.	G.K. 50.	164th. Siege Bty.	6" How.	4.	4.	T.18.d.00.70 (2)	60c - 120c.
						D.18.b.20.55.	70c - 130c.
HAUTBOY.	G.K. 46.	259th. Siege Bty.	6" How.	4.	6.	D.12.d.05.05.	70c - 130c.
						D.6.c.5.5.	55c - 120c.
HAERDASEL P.	G.K. 58.	264th. " "	6" How.	4.	4.	C.15.b.10.50.	50c - 110c.
HANDSPIKE.	Attached. F.G. 99.	29th. Siege Bty.	6" G Mk. VII.	4.	4.	H.35.d.75.20.	55c - 125c.
						T.50.c.20.90.	50c - 120c.
HAINESS.	G.K. 60.	32nd. Siege Bty.	12" How. Mk. 1 Rly Mounting.	2.	2.	T.12.a.5.0.	38c - 180c.
						T.12.a.4.5.	38c - 180c.
(Affiliated for Bombardment Work to Right Division.)							

Contd. P.T.O.

APPENDIX 18

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Code Call.	Position Call.	Brigade or Battery.	Nature.	No. of Guns.	Pers- onnel.	LOCATION.	ARC of FIRE.
HAUNT. LAUBERK.	G.B. 74. G.G. 53.	56th. (Aust) Bde R.G.A. 2nd. (Aust.) S.B.	9.2" How. Hk. 1.	6.	6.	T. 27. b. 35. 95. (U. 19. a. 5. 7. (U. 19. c. 9. 1.	Lt-Col J. H. HURST. 60° - 120°. 60° - 120°.
HALL.	G.C. 55.	1st. (Aust.) S.B.	8" How. Hk. VII.	6.	6.	T. 24. a. 4. 7.) T. 24. a. 83. 63)	60° - 110°.
HARBOUR. HATT.	F.Q. 63. F.T. 83.	155th. Sge. Bty. 353rd. " "	6" How. 6" How.	6. 6.	6. 6.	U. 1. b. 75. 65. O. 32. c. 39. 77.	90° - 150°. 80° - 140°.
HACKNEY.	C.K. 73.	140th. Ivy. Bty.	60-pdr.	6.	6.	(B. 12. a. 9. 0. (B. 12. b. 5. 7.	55° - 115°.
HANDLE.	F.Q. 49.	151st. Ivy. Bty.	60-pdr.	6.	6.	H. 30. d. 7. 2.	80° - 140°.
HARSH. HATCHET.	F.F. 8. F.G. 60.	41st. Bde R.G.A. 1st. Sge. Bty.	6" How.	6.	6.	H. 20. d. 2. 5. O. 19. b. 13. 14.	Lt-Col. E. L. BOND, D.S.O. 55° - 125°.
HAGGARD.	G.F. 59. M.A. 2.	6th. Sge. Bty.	6" How.	6.	6.	Wagon Lines. H. 13. d. 85. 50. T. 18. c. 52. 94.	70° - 130°.
HARDWARE.	F.I. 40. F. 80.	N. Rdg. H. Bty.	60-pdr.	6.	6.	Wagon Lines. B. 13. c. 3. 8. H. 30. b. 65. 05.	50° - 110°.
HARLEQUIN.	G.N. 72. G.A. 5.	N. Mid. H. Bty.	60-pdr.	6.	6.	Wagon Lines. H. 34. d. 3. 6. B. 6. a. 90. 55. T. 19. b. 20. 00.	45° - 105°.

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APPENDIX 18

SECRET. APPENDIX 4.

Copy No. 387

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME

POSITIONS, ZONES and LOCATIONS of TRENCH MORTAR POSITIONS.

MISSINES SECTOR.

DESCRIPTION.	POSITION.	ARC of FIRE.	S. O. S. Line.
(a) 6" NEWTON.	U.5.a.25.71.	U.11.b.92.33 to U.6.d.04.94.	U.6.c.10.90.
(a) 6" Newton.	U.5.c.80.10.	U.6.a.70.80 to U.12.b.35.75.	U.6.d.05.70.
(a) 6" Newton.	U.5.a.30.80.	0.36.a.40.55 to U.6.b.11.70.	KIWI FARM - 0.36.c.50.50.
(b) 6" Newton.	U.4.b.13.20.	0.35.d.64.68 to U.5.d.98.60.	
(c) 2" Medium.	0.34.b.11.30.	0.34.b.88.93 to 0.34.d.99.88.	
(c) 2" Medium.	0.34.d.05.75.	0.34.b.88.55 to 0.34.d.93.22.	
(c) 2" Medium.	U.4.b.48.80.	0.35.c.32.35 to U.5.a.35.26.	
(c) 2" Medium.	U.4.d.70.72.	U.5.a.53.33 to U.5.c.60.27.	

OOSTAVERNE SECTOR.

(a) 6" Newton.	0.22.d.48.95.	0.24.a.22.92 to 0.30.a.18.90.	0.23.b.45.65.
(b) 6" Newton.	0.21.b.80.43.	0.17.c.59.25 to 0.29.a.19.70.	
(b) 6" Newton.	0.33.b.88.98.	0.29.a.30.50 to 0.35.a.63.07.	
(c) 2" <i>Medium</i>	0.22.a.35.27.	0.22.b.32.50 to 0.22.c.99.50.	
(c) 2" <i>Medium</i>	0.34.a.60.90.	0.28.d.19.70 to 0.34.b.58.74.	
(c) 2" <i>Medium</i>	0.22.c.70.36.	0.22.d.66.61 to 0.28.b.37.6	

HOLLIBROOK GROUP.

(a) 6" Newton.	0.11.c.05.55.	0.12.c.39.72 to 0.18.c.30.88.	0.18.a.30.90 WIZ FARM.
(a) 6" Newton.	0.16.d.60.10.	0.17.b.70.55 to 0.24.a.15.45.	
(b) 6" Newton.	0.9.d.98.80.	0.11.d.68.73 to 0.17.a.39.25.	
(b) 6" Newton.	0.15.b.61.65.	0.11.c.25.80 to 0.17.c.20.30.	
(b) 6" Newton.	0.15.d.70.53.	0.17.a.25.85 to 0.23.a.35.40.	
(c) 2" Medium.	0.10.b.57.23.	0.11.a.54.59 to 0.11.c.24.50.	
(c) 2" Medium.	0.10.d.35.35.	0.11.c.35.55 to 0.16.b.99.59.	
(c) 2" Medium.	0.16.a.85.60.	0.16.b.85.73 to 0.16.d.40.75.	
(c) 2" Medium.	0.16.c.65.74.	0.16.d.28.98 to 0.22.b.29.98.	
(c) 2" Medium.	0.16.c.42.15.	0.16.d.43.28 to 0.22.a.99.30.	

March 1918.

SECRET. APPENDIX 4.5 Copy No. 33
 "B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

DISTRIBUTION of AMMUNITION.

	No. of rounds per 18-pr.				No. of rounds per 4.5" How.			
	Mobile.		Dumped.		Mobile.		Dumped.	
	Boxed.	Unboxd.	Boxed.	Unboxd.	Boxd.	Unboxd.	Boxd.	Unboxd.
At guns:	=	=	=	450:	=	=	=	350:
At CORPS	=	=	150:	=	=	=	150:	=
Line Dumps	=	=	=	=	=	=	=	=
Wagon Lines:	=	176:	=	=	=	108:	=	=
D.A.C. or B.A.C.	(24	76:	=	=	66:	48:	=	=
Sub-park.	75.	=	=	=	40.	=	=	=

18-pr. Ammunition will be held in Echelons in the proportion of 50% Shrapnel and 50% H.E.

PRESENT POSITION.

Group.	BATTERY.	RAILHEAD.	DECAUVILLE SIDING.	Method of Delivery
X.	X A	O.X.F.	MACMURRAY.	Hand.
	X B	"	KEEPAWAY.	Wagon.
	X C (4)	"	BELL FARM.	Tram.
	X C (2)	"	" "	Tram.
	X D	"	Broad Gauge to D.V. 121	Hand.
Y.	Y A	O.K.D.	WHITEHALL.	Tram Line.
	Y A	"	"	Pack.
	Y B	"	"	Tram Line.
	Y C	O.X.F.	KELOWNA.	Hand.
	Y D	O.K.D.	HOSPICE.	Hand.
Z.	Z A	O.K.D.	GREY.	Hand.
	Z B	"	PURGATORY.	Tram Line.
	Z C	"	HURON.	Hand.
	Z D	"	"	Hand.

REINFORCEMENT POSITIONS.

X.	X R A	O.X.F.	ENDERBY.	Hand or Tram.
	X R B	"	MACMURRAY.	Do.
	X.R.C.	"	ENDERBY.	Do.
	X.R.D.	"	VERNON.	Do.
X.	X.X.R.A.	O.X.F.	BRAZEAU.	Hand or Tram.
	X.X.R.B.	"	ENDERBY.	Do.
	X.X.R.C.	"	"	Do.
	X.X.R.D.	"	BRAZEAU.	Do.
Y.	Y.R.A.	O.K.D.	WOOD.	Hand or Tram.
	Y.R.B.	"	"	Do.
	Y.R.C.	"	"	Do.
	Y.R.D.	"	WHITEHALL.	Do.
Z.	Z.R.A.	O.K.D.	PORRIDGE.	Do.
	Z.R.B.	"	ONRAIT.	Do.
	Z.R.C.	"	PORRIDGE.	Do.
	Z.R.D.	"	HURON.	Do.

March, 1918.

SECRET

APPENDIX 6.

Copy No. 35

243

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN 1ST CORPS.

DEFENCE SCHEME.

MESSINES Group. OBSERVATION POSTS.

Name of O.P.	Position.	Code Call.	Used by	A R C of VIEW.	REMARKS.
	0.33.a.40.25.	F.T. 33.	49th. Bty.	Commands a good view of Bty Sector. Covers Left Battalion front of MESSINES Sector and Right Battalion front of OOSTAVERNE Sector.	Constructed of concrete, should be 4.2" proof. Has accommodation for 6 men. Is approached from FAIRLY C.T.
	U.3.c.00.45.		50th. Bty.	Commands a good view of Battery Zone, also well down on to "A" Divisional Sector South of WARETON.	Constructed of Elephant Cupolas and strengthened with reinforced concrete covered with bricks and debris. Should resist a 5.9". Has accommodation for 2 on bunks and 2 on floor.
	0.33.c.9.4.		51st. Bty.	Commands a good view of Bty Zone. Portion of Front Line not visible, also gives a good view of right of OOSTAVERNE Sector.	A very useful O.P. for defence as all our Country behind Front Line is well under view.
	0.33.c.50.45.		113th. Bty, also Brigade Night O.P.	Commands a good view of Ede Sector, also both Right Flank of OOSTAVERNE Sector and Left Flank of BASSEVILLE Sector. Centre portion of Front line is not visible.	Constructed of concrete above a pill-box. Has accommodation for two in bunks and could accommodate two more on floor. Constructed to enable two to observe at same time. Approach partly concealed by trench camouflaged.

March, 1918.

APPENDIX 18

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APPENDIX 6.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

OOSTAVERNE GROUP. OBSERVATION POSTS.

Name of O.P.	Position.	Code Call.	Used by.	A R C of V I E W.	R E M A R K S.
	0.28.a.35.05. (Forward)	F.U. 38.	53rd.	Whole Group Front	Pill-Box.
	0.19.d.50.65. (Rear)		53rd.	Whole Group Front	Splinter-proof.
	0.27.b.80.05. (Forward)	F.U. 42.40.	54th.	Whole Group Front	Pill-Box.
	0.19.d.68.83 (Rear)		54th.	Whole Group Front (but some obstruct (ion in foreground)	Splinter-proof.
ANZAC FARM.	0.28.c.25.95. (Forward)	F.U. 42.	55th.	Whole Group Front	Concrete Tank.
	0.19.d.60.90. (Rear)		55th.	Whole Group Front	Shell-proof look-out and deep dug-out. At present occupied by H.A. Artillery.
WYTSCHAETTE O.P.	0.19.b.6.3. (Rear)	E.W. 61.	114th.	Whole Group Front	Shell-proof look-out and deep dug-out.
	0.19.d.8.8. (Rear)	E.W. 77.	114th.	Whole Group Front	Splinter-proof.

March, 1918.

APPENDIX 16

APPENDIX 16

SECRET.

APPENDIX 6.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

HOLLERBEKE Group. OBSERVATION POSTS.

Name of O.P.	Position.	Code Call.	Used by.	A R C of VIEW	REMARKS.
"A" O.P.	0.10.d.85.80.	E.R.64.	7th.Bty.	750 to 2000 GRID.	Concrete dug-out. 2 feet Head cover. Dead ground from O.P to 0.11 central. " " for 350 yds. in rear of TWINS " " " 100 " " " BANG FARM " " " 500 " " " WHEAT FARM
"D" O.P.	0.11.a.30.38.	C.S.	8th.Bty.	780 to 1200 GRID.	Concrete dug-out. Dead Ground is enclosed by the following triangle:- 0.11.central to LOCK 6 to LOCK 5 to PUMP Farm to 0.18.a.9.8. to 0.11.central
"C" O.P.	0.10.d.90.95.	P.C.	9th.Bty.	840 to 1740 GRID.	Concrete 77 mm gun-pit a good deal damaged. Dead Ground - As for "A" O.P. and a little between PAT and COPSE FARMS.
"D" O.P.	0.11.a.30.38.	M.S.	103rd.Bty.	780 to 1200 GRID.	As for "D" O.P. above.
"B" O.P.	0.15.d.70.50.	F.S.5.	16th.Bty.	400 to 870 GRID.	Fortified Farm House. Dead ground in C.16.b and d and 0.17.a.
"B" O.P.	0.15.d.70.50.	F.S. 5	17th.Bty.	Do.	Do.

March, 1918.

APPENDIX 18 211

APPENDIX 18

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SECRET.

APPENDIX 7.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS, DEFENCE SCHEME.

CORPS LINE REINFORCING POSITIONS.

Group.	Brigade in Line covering Corps Line.		Reinforcing Positions for covering Corps Line.		Group H.Q.	Group O.P's.	
MESSINE.	X.2.A. (18-pr.)	T.6.a.90.43.	X.2.R.A. (18-pr)	T.6.c.47.46.	X.2.	U.3.a.05.30. O.33.c.40.40.	
	X.2.B. (")	T.6.a.74.74.	X.2.R.B. (")	T.6.c.23.85.			
	X.2.C. (")	T.36.c.21.35.	X.2.R.C. (")	T.6.c.54.56.			
	X.2.D. (4.5"H.)	N.36.c.20.08.	X.2.R.D. (4.5"H)	T.6.a.12.50.			
	Extra Reinforcing Positions.						
	X.X.2.R.A.	T.5.d.82.88.	(18-pr.)				
	X.X.2.R.B.	N.35.d.93.87.	(")				
	X.X.2.R.C.	N.35.b.79.03.	(")				
	X.X.2.R.D.	T.5.b.74.68.	(4.5"H.)				
	OOSTAVERNE.	Y.2.A. (18-pr.)	N.28.d.97.27.	Y.2.R.A. (18-pr.)	N.29.a.33.02.	N.29.c.50.80.	O.19.d.62.65.
Y.2.B. (")		N.29.c.12.53.	Y.2.R.B. (")	N.29.b.22.75.			
Y.2.C. (")		N.35.c.89.98.	Y.2.R.C. (")	N.35.a.78.24.	N.19.b.45.10.		
Y.2.D. (4.5" H)		N.35.a.58.73.	Y.2.R.D. (4.5" H)	N.29.c.47.21.			
MOLLEBEKE.		Z.2.A. (18-pr.)	N.17.d.68.52.	Z.2.R.A. (18-pr.)	N.23.b.80.99.	N.18.b.35.25.	O.9.c.49.95.
	Z.2.B. (")	N.23.a.88.46.	Z.2.R.B. (")	N.23.d.84.82.			
	Z.2.C. (")	N.17.d.57.86.	Z.2.R.C. (")	N.23.b.66.04.	N.17.d.20.30.		
	Z.2.D. (4.5" H.)	N.17.d.22.05.	Z.2.R.D. (4.5"H.)	N.23.d.22.84.			

March, 1918.

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SECRET.

APPENDIX 8.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS. DEFENSIVE SCHEME.

ARMY LINE REINFORCING POSITIONS.

Group.	Nature of Battery.	LETTER.	Brigade in line covering 3rd. ZONE.	LETTER.	Reinforcing Brigade Positions covering 3rd. ZONE.
MESSINES.	18-pr.	X.3.A.	M.36.a.50.20.	X.3.R.A.	N.51.a.40.40.
	"	X.3.B.	M.36.a.30.80.	X.3.R.B.	H.36.a.70.45.
	"	X.3.C.	M.29.c.65.10.	X.3.R.C.	H.35.a.65.65.
	4.5" How.	X.3.D.	H.36.b.80.60.	X.3.R.D.	H.36.b.60.40.
EXTRA REINFORCING POSITIONS.					
	18-pr.	X.X.3.R.A.	S.6.a.65.75.		
	"	X.X.3.R.B.	S.6.a.20.25.		
	"	X.X.3.R.C.	S.11.b.20.90.		
	4.5" How.	X.X.3.R.D.	S.6.a.20.70.		
COSTAVLANE.	18-pr.	Y.3.A.	M.35.a.65.40.	Y.3.R.A.	S.5.b.50.20.
	"	Y.3.B.	M.18.a.20.70.	Y.3.R.B.	S.5.d.30.80.
	"	Y.3.C.	N.19.c.55.05.	Y.3.R.C.	M.18.a.00.60.
	4.5" How.	Y.3.D.	M.35.a.50.11.	YY3.R.D.	M.18.b.70.80.
HOLLERBEKE.	18-pr.	Z.3.A.	M.24.c.50.48.	Z.3.R.A.	M.18.c.81.90.
	"	Z.3.B.	M.24.c.33.59.	Z.3.R.B.	H.18.a.20.03.
	"	Z.3.C.	M.17.d.50.38.	Z.3.R.C.	M.18.c.80.95.
	4.5" How.	Z.3.D.	M.24.a.39.04.	Z.3.R.D.	H.18.c.54.80.

March, 1918.

APPENDIX 8 213

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

D E F E N C E S C H E M E.

FRONT ZONE REINFORCING POSITIONS.

Group.	Nature of Battery	Letter	POSITIONS occupied at present.	Reinforcing Positions for Zone.	Group H.Q. Occupied.	Group O.P.'s	
MESSINES.	18-pr.	X.A.	U.1.a.70.39.	X.R.A.	0.31.c.50.30.	X.T.6.c.15.75. Spare.	
	"	X.B.	U.13.a.80.80.	X.R.B.	U.1.d.38.39.		
	"	X.C.	(4 guns) 0.31.a.55.05.	X.R.C.	0.31.c.68.56.	O	
	"		(2 " 0.31.b.90.45.				
	4.5" How.	X.D.	U.7.d.09.70.	X.R.D.	U.1.b.10.11.		
	Extra Reinforcing Positions.						
	18-pr.	X.X.A.		0.31.d.14.42.			X.0.33.a.40.25.
	"	X.X.B.		U.1.d.04.44.			U.3.a.00.45.
	"	X.X.C.		U.1.a.27.25.			0.33.c.90.40.
	4.5" How.	X.X.D.		U.1.b.40.68.			0.33.c.50.45.
COSTLAVERNE.	18-pr.	Y.A.	(4 guns) 0.25.b.65.73.	Y.R.A.	0.19.c.48.45.	Y.N.29.c.50.80 N.19.b.45.10	
	"	Y.B.	(2 guns) 0.26.c.20.90.	Y.R.B.	0.19.c.48.25.		
	"	Y.C.	0.25.b.70.40.	Y.R.C.	0.19.c.55.05.	"A"	
	4.5" How.	Y.D.	N.30.d.95.12.	Y.R.D.	0.13.c.55.02.		
			0.19.b.25.30.			0.28.a.35.05) (Forward)	
						0.19.d.50.65) (Rear)	
						0.27.b.80.05) (Forward)	
						0.19.d.68.83) (Rear)	
						0.28.c.25.95) (Forward)	
						0.19.d.69.90) (Rear)	
					0.19.b.60.30) 0.19.d.80.80) (Rear)		
HOLLERBEKE.	18-pr.	Z.A.	0.9.a.50.30.	Z.R.A.	0.8.b.26.62.	Z.N.18.b.90.25. N.17.d.20.30.	
	"	Z.B.	0.7.d.55.05.	Z.R.B.	0.14.a.60.22.		
	"	Z.C.	0.8.d.70.80.	Z.R.C.	0.8.c.21.07.	Do. Do. Do.	
	4.5" H.	Z.D.	0.14.b.20.65.	Z.R.D.	0.8.d.23.06.		

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APPENDIX 9 214

SECRET.

APPENDIX 10.

Copy No. 35

"B" DIVISIONAL ARTILLERY SECTOR, AUSTRALIAN CORPS.

DEFENCE SCHEME.

BOUNDARIES of FRONT after being Reinforced by ANOTHER DIVISION.

UNIT.	NORTHERN BOUNDARY.	SOUTHERN BOUNDARY.
"A1" Divisional Artillery.	0.29.b.65.85. westwards along WAMBEEK to 0.21.d.80.45 to 0.27.a.65.92 to 0.25.b.65.65.	From U.11.b.35.60 westwards along RIVER DOUVE to T.3.a.45.40 - T.2.c.50.45 - T.1.c.00.25.
Right Group, "B" DIVISIONAL ARTILLERY.	0.17.d.08.80 to 0.16.d.20.70 to 0.15.a.50.15 to 0.14.c.00.80.	0.29.b.65.85 westwards along WAMBEEK to 0.21.d.80.45 to 0.27.a.65.92 to 0.25.b.65.65.
Left Group, "B" DIVISIONAL ARTILLERY.	LOCK No.5 0.12.b.40.45 along HOLLERBEEK ROAD exclusive to 0.10.b.55.52- 0.4.c.40.41-0.9.b.61.95-0.3.d.40.08.- 0.9.a.88.97-0.3.c.67.32 -0.3.c.30.22 - 0.2.d.63.57 to 0.2.central. BOLLAART BEEK to 0.1 Central - above BOLLAART BEEK to N.12. central. -VIERSTRAAT CROSS ROADS.	0.17.d.08.80 to 0.16.d.20.70 to 0.15.a.50.15 to 0.14.c.00.80.

March, 1918.

APPENDIX 10

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Copy No. 23
APPENDIX 19.

AMENDMENT No. 1 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173
dated 18/3/18.

Headquarters,
19th March, 1918.

The operation detailed in 5th Australian Divisional Artillery
Order No. 173 dated 18/3/18 is postponed.

(Sd) H. Hulton, Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 4.15 p.m. to all recipients.

fib

S E C R E T.

Copy No. 29
APPENDIX 19

AMENDMENT NO. 2 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173,
dated 18/3/18.

Headquarters,
19th March, 1918.

The operation detailed in 5th Australian Divisional
Artillery Order No. 173 dated 18th March, 1918, will take place on
the night of 20th/21st March, 1918, and not as stated in para. 1 of
the above mentioned Order.

Hulton

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued to all recipients of 5th A.D.A. Order No. 173 at 8.30 p.m.

original

For Official Use Only.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.



From 6 a.m. 18th March - to - 6 a.m. 19th March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. Our Artillery were actively engaged throughout the period engaging enemy movement, hostile working parties and active enemy trench mortars. Movement and working parties were observed as follows:- Between 3 pm and 6 pm on 17/5/18 movement in P.14.a.45.65., P.19.b.95.40., TRALEE Fm P.14.b.40.35 and P.19.a. At repeated intervals throughout the morning and afternoon movement was observed in vicinity POLL HOUSE 0.18.a., FORT Blids 0.18.d., BOMB Fm 0.18.d., ORKNEY Trench 0.18.b., PEREGRINE Fm P.14.c., P.19.a.50.50, TRALEE Fm P.14.b., vicinity HOUTHEM P.20.a., 0.30.b.75.53., Roads in P.25.c., and in vicinity EEL and TROUT Farms 0.24.c. These were all effectively engaged; enemy movement ceasing and hostile working parties being dispersed in each case.

Hostile trench mortars were very active throughout the night in U.12.b.68.92., 0.36.a.3.2 and 0.36.c and were repeatedly engaged. Bursts of fire were also put over on T.M. emplacements in PILL Fm 0.24.a and in EEL and TROUT Farms 0.24.c. At 3.30 a.m. an active hostile T.M. observed firing from POLL HOUSE 0.18.a was successfully engaged by our 18 prs and silenced.

Registrations were continued throughout the day.

During the afternoon our 15 prs fired about 30 rounds on LAKE Fm with very good effect. Shooting being most satisfactory; 5 direct hits being obtained.

2. IDENTIFICATIONS. Nil.

3. HOSTILE SHELLING. Enemy Artillery were again very active throughout the period over all Sectors particularly on our Right Group forward areas and in vicinity of Left Group battery positions. Our back areas in direction of KEMMEL and DAYLIGHT CORNER were heavily shelled by 8" and 9.2 H.V. gun at intervals throughout the day. At 2.45 a.m. about 1,000 rounds of 77 m.m. Gas shell fell in vicinity of 0.15.d. These came from direction of HOUTHEM. No casualties have been reported. At 4.30 p.m. VIERSTRAAT-WYTSCHAETE road in N.18.b was shelled by 4.2 H.V. gun firing from Left of WERVICQ. About 10 shells were put over; one direct hit being scored on centre of road. About 12.15 a.m. the same gun fired 10 shots in vicinity of PARMIA DUMP, but no material damage was done.

4. ENEMY ATTITUDE. Artillery very active over all areas. H.V. Guns show an increase of activity firing on to back areas. Gas shelling has been particularly heavy on our Left Group Sector. Hostile Trench Mortars were very active throughout the night particularly on our Right Sector front.

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5. ENEMY DEFENCES.. Nil.

6. HOSTILE AERIAL ACTIVITY. Enemy aircraft were active throughout the day. Several planes attempted to cross our lines, but were driven off by A.A. and M.G. fire. At 10 a.m. enemy balloons were up, two being lowered at noon. These were up at T.B.'s of 67°, 71°, 74°, 79°, 84° and 87° from U.l.a.70.39.

7. MOVEMENT AND ORGANISATION, etc. Enemy batteries were located at following places:- 6 guns between T.B. 108° 30' and 110° 30' from O.19.b.6.3 and 95° 30' from O.27.b.80.05 and a 5.9 gun firing into the back areas was observed in the brickfields at WERVICQ. An H.V. Gun thought to be an 8" was located on line passing from O.19.d.7.1. through P.28 d.1.3. and was firing either from, or very near to the later co-ordinate.

The valley in P.5.d. contains a large number of hostile Batteries, which were very active throughout the day.

1.2 p.m. Two trains arrived at WERVICQ coming from N.E.

1.25 p.m. Train observed moving from ~~WERVICQ~~ to TOURCOING.

HALLUIN

8. MISCELLANEOUS. Visibility. Poor during the morning owing to heavy mist, improved about Noon, and was very good throughout the afternoon.

1.30 p.m. Thick cloud of smoke rising on Left of COMINES.

1.45 p.m. Heliograph working 15° left of COMINES CHURCH from O.33.c.50.45. At about 12 noon enemy sent up Signals in the form of rockets which burst into two bright stars leaving a thick trail of smoke. These signals were repeated 7 times. No unusual action followed

Lieut.
for Reconnaissance Officer
5th Australian Divisional Artillery.

H.Qrs 19th March, 1918.

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HOSTILE SHELLING

19/3/18

Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Right Group.						
7.55 to 9 am	50	77 mm H.E.	U.4.b & d. &	SB 15° R of DATUM ED. 0.33.a45.25.		
" "	170	77 mm Gas	U.5.c.			
9.30 am	70	4.2	STEIGNAST Fm & MESSINES RIDGE	SB 11° R " " "		Calibrating
10.5 to 10 22 am	40	4.2	U.5.b & d & U.4.d."	6° L of COMINES CH 0.33.c.50.45		
11 am	2	5.9	STEIGNAST			
11 to 11.20 am	50	H.E.	U.5.c & U.8.b.	Flashes from V.1.b de la BUSCHE		
" "	15	4.2 Gas	" "	" "		
11.30 am	30	4.2	0.35. a & c.	COMINES		
12.45 to 1 pm	80	T.M.'s	Front line vicinity of GAPAARD			
1.10 pm	5	5.9	MESSINES	15° 30' L of DATUM HO.0.33.a.45.25		
2.15 to 2.45 pm	25	4.2	U.1.a.70.39			H.E & Shrapnel
3.50 to 3.45 pm	5	4.2	U.4.b (Blag)			
10.15 am	75	Gas	ROSSIGNAL & vicinity			
9 pm to 3 am	?	4.2 How	MESSINES & U.1.b			Gas & Sharp intermittently
7 to 9 pm	?	77 Gas	U.5.a & c			
Centre Group.						
10 am	Lightly	77 mm	0.23.a & b	120° 25'	0.19.b.6.3.	
10.15 am	"	Sharp	Balloon in N.29.a.	118° 20'	"	
10.15 am	"	4.2 How	0.16.	127° 20'	"	
11.5 am	"	4.2 "	WALL Fm 0.23.a.			
8.23 am	4	T.M.	0.23.a.	PILL Fm	0.28.a.35.05	
1.55 pm	3	5.9	0.26.a.			
		77 mm	Front L & Supports			Intermittently during day.
2 to 6 pm	Heavy	5.9 & 4.2	0.16 & 17	110° 50' & 113° 30'	0.19.b.6.3.	
3 to 4 pm	"	5.9	0.10.d.	104° 30' & 101°	0.19.d.8.8.	
	"	8" or 9.2"	KEMMEL	103° 30'	0.19.b.6.3.	
	"	8"	Vicinity of DAYLIGHT CORNER	103° 50'	0.19.d.7.1.	
11 pm		5.9 Gun	WULVERGHEM			

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HOSTILE SHELLING Continued

19/3/18

Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Left Group.						
11 am to 12.30 pm	70	4.2 & 77	0.11.a. Flashes	81°, 98° & 30° Grid	0.11.a.30.38	L of Church in COMINES
5 pm		5.9 & 4.2	FORREST Fm		"	
4.45 to 5 pm	4	4.2	PARMA DUMP		N.12.b.90.25	
4.5 pm		4.2 How	0.11.b.	76° Grid	0.11.b.40.11	
5.40 pm		5.9	0.10.d & 0.11.o.	105° Grid	0.10.d.85.80	C.B. informed 5.40 pm
6.45 am		T.M's	0.17.d.70.10			Reported by Infy
8.30 am	3	"	0.17.a & 0.11	GREEN Wd	0.10.d.85.80	
During forenoon	200	4.2 How & 77	Front L in 0.17.a & 0.11			Intermittent shooting.
2.45 am	1,000	77 Gas	0.15.d.	HOUTHEN		

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ROUTINE ORDER No.16.

- by -

Brig-General A.J.BESSELL BROWNE C.M.G.,D.S.O. - C.R.A.5th.Aust.Divn.

Headquarters,
19th.March 1918.

109. - CORRIGENDUM.

2/Lieut. H.F.Manning to be Lieutenant - Dated 7.12.17.
(This cancels notification regarding this officer published
in 5th.Aust. D.A.R.O. No.4 para 27 of 29.1.18.)

(Authority - A.I.F. List No.307 dated 15.3.1918).

110. - PROMOTION.

Extract from 5th.Aust.Div. Routine Order No.154 dated
18.3.18.

No.708 Temporary B.S.M. J.Cullen to be Battery Sergeant
Major (Warrant Officer Class II) Dated 15.3.1918.

111. - FIELD GENERAL COURT MARTIAL.

The undermentioned Officers are detailed to assemble at
Headquarters, 5th. Aust. Div. Ammn. Column at 10.a.m. on 21st.
inst., for the purpose of trying by F.G.C.M. the accused persons
named in the margin, and any other person or persons who may be
brought before them.

No.2387

Gnr.B.McGowan,
5th.Aust.D.A.C.

President.

Major E.G.Lister

- 13th.A.F.A.Brigade.

Members.

Captain P.T.Redmond

- 14th.A.F.A.Brigade.

Lieut. R.Barnett

- 5th.Aust.D.A.Column.

No.169.,

Cpl.K.W.McKnight,
5th.Aust.D.A.C.

The accused will be warned and all witnesses duly
required to attend.

Proceedings will be forwarded to D.A.H.Q. on completion.

112. - LEAVE.

The excuse that leave was permitted verbally by an
Officer is much too prevalent in a charge of A.W.L. after hours
or away from billeting area. No man is to be granted leave
without a written pass giving destination and period of leave.

113. - ORDERS.

Attention is directed to the undermentioned orders which
have been issued to Units :-

General Routine Orders. - Paras 3608 to 3633.

3611. - Chemical Shell - Distinctive Markings.

3612. - Fuze Key, No.18, Mark II.

3613. - Keys No.42,Setting No.85 Fuze - Keys No.43,Fixing No.
85 Fuze.

3614. - Horse Shoes.

3616. - Blankets, Improper use of.

3619. - Provisional Condemnation Limits of Guns and Howitzers.

A. I. F. Orders.

- Paras 1150 to 1155.

1155. - Historical Records.

Barnett
Captain,
Staff Captain,
5th. Aust. Divisional Artillery.

fib

S E C R E T.

APPENDIX 90
Copy Ret 2

AMENDMENT No 3 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173
dated 18/3/18.

Headquarters,
20th March, 1918.

The operation detailed in AMENDMENT No. 2 to FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 173 dated 19th March, 1918, will NOT take place tonight; having been further postponed.

H. Banta

H
Brigade Major,
5th Australian Divisional Artillery.

Issued at 4.30 p.m. to all recipients of 5th A.D.A. ORDER No. 173.

original
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For Official Use Only.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

From 6 a.m. 19th March - to - 6 p.m. 20th March, 1918.

NOTE: No. to be taken into front line trenches.

FORECAST OF DISPOSITIONS.

1. OPERATIONS.

Artillery. (a) During the day considerable movement of small parties on the Left and Centre was effectively engaged. Hostile MINENWERFERS engaged and silenced and two wire cutting operations carried out. At night bombardments were carried out to cover a special operation. A hostile battery was engaged and silenced and a concentration burst was put down on a centre of much activity. (b) Movement observed and engaged was at P.8.c.25.99, POLL HOUSE (O.13.a), P.19.a.55.50, two small parties moving in O.13.a & b, at PONT MAHLET (P.31.b), vicinity of L'ESPERANCE CABT (O.36.c), and on the road between O.56.d & P.31.c. Hostile MINENWERFERS were at O.13.c. 70.95 (N.T.M) on two occasions, O.24.a.4.2., L'ESPERANCE (O.24.a) U.12.c.4.9, and at night all known positions on Right Group front (very active). Hostile battery was located firing in V.15.c. at 10 am, was engaged and silenced, and destructive shoot immediately carried out. Reported with good results. Wire cutting carried out was at O.55.d.80.65 on the Right, and opposite JULY & RIFLE Fms (O.25.d) on the Centre; during this operation LAKE Fm (O.24.c) was kept under fire to cover observation. Concentration shoots were performed against FLY Bldg (O.25.b), WASP Fm (O.23.b) and PILLER RIFES Fm (O.24.a) at 10.30 pm and again at 11.50 pm. In connection with the special operation, searching fire was put down in the vicinity of THE TWINS & THE GIANT (O.12.c) at 10.30 pm, sweeping back 500 yards, and in O.55. b & d, O.56.a & c.

2. IDENTIFICATIONS. Nil.

3. HOSTILE SHELLING. As in Table. Active on the Left and Centre, particularly with heavy gas bombardment of front line and supports on Centre & O.15.d on Left. Active on the Right, including considerable MINENWERFER activity and some scattered gas.

4. ENEMY ATTITUDE. Mortars active on Right; considerable movement of small parties, probably on account of dull day.

5. ENEMY DEFENCES. Nil.

6. ENEMY AIRCRAFT ACTIVITY. Nil. One balloon up 7.30 am.

7. MOVEMENT AND ORGANISATION. As in para. 1. O.P. suspected at O.23.b.22.80.

Visibility. Poor.

Edg. H. Booth

Lieut,
 Reconnaissance Officer,
 5th Australian Divisional Artillery.

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20/3/18

Time.	No. of Rnds.	Nature.	HOSTILE Objective or Area shelled.	SHELLING Direction or Grid Bearing.	Observed from.	Remarks.
Right Group						
8.30 am - 4 pm	20	5.9 gun	Vicinity of NEUVE EGLISE	EGLISE		
9.30 to 10 am	100	4.2.	U.9.a - U.2.d.	SB 6° L of DATUM HO.	U.3.a.00.45	
10.15 to 10.20 am	10	T.M.	Front Line	SB 10° R "	"	
10.15 to 10.45 am	75	4.2 & 77 mm	U.9.a.	(SB 105°, 115°, 118°)		
11 to 11.10 am	25	4.2	"	(102°, 132°)	0.35.a.45.25	
11 to 11.30 am	180	77 mm & 4.2	U.5.a & c	" "	"	
12 to 12.30 pm	6	5.9 How	0.52.c.			
1.5 to 1.14 pm	?	5.9 gun	Vicinity NEUVE EGLISE			
1.30 pm	15	4.2	MESSINES Rd			
4 to 7.45 pm	50	Gas	U.2.			
7.50 pm	25	4.2	U.5.c.			
8.45 pm	25	4.2.	U.5.c.			
6.35 pm	20	4.2 How	GARAARD	COHINS		
10.10 pm	18	Gas	U.15			
5.5 am	22	Gas	U.9.			
Centre Group						
6 am	12	8"	Front line	105° 30'	0.19.b.6.3	
6.30 am	6	Shrap	" "	127° 30'	"	Intermittently during day & till 11.30 pm
	?	8"	KEMMEL & DRANOUTRE.		"	
10 to 11.30 pm	Heavy	4.2 Gas	Front L & Supports	108° 30'	"	
Left Group						
10.10.10 pm	5	4.2	Rd in 0.8.a.	HOUTHEN	0.8.b.03.70	
2.15 to 4.30 am	100	4.2	0.14.b.		0.14.b.20.65	Engaged by our Btys & H.T.M's
8.30 to 9.30 am	-	H.T.M.	0.17.a.	0.18.c.70.95	0.10.d.85.80	
8.30 to 9 am	40	77 mm	0.17.a.	101° Grid	"	(Flash to report 20 sec)
1.40 to 2 pm	7		Large Flash	107° 50'	"	(CB informed 2.30 pm)
3 pm	30	77 mm	0.11.a.	KORTEWILDE	0.10.d.90.95	
11.15 am to 1 pm		4.2 & 77 mm	0.11.a.		0.11.a.30.38	
7.0 am			Flashes	95°-97° Grid	0.10.d.85.80	CB " 5.15 pm
			Flashes	80° 30' "	0.20.b.20.10	Reported by Liaison
				87° Grid very		(Centre Battn. Esti-
				active. 90° 30' Grid		mated distance to
						(Flashes 7000-8000 yd)
10.10 pm		4.2 Gas	0.14.b.	WERVICQ	0.14.b.20.65	About 3 rnds p.m. CB informed 10.15 pm
10.45 pm	Gas	4.2.	0.8.d.	KORTEWILDE	100° Grid	About 2 rnds p.m. Ph gene. C.B. inf. 10.55

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APPENDIX 20

SECRET.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER NO. 174.

Headquarters,
20th. March 1918.

Reference Maps 1/10,000 KORTWILDE and BAS-VAREINTON.

1. The 17th. Battery and 106th. Battery will be transferred from the HOLLIBERKE Group to the MESSINES Group.
2. Positions will be occupied as follows :-
 17th Battery - ~~ARB~~ -- U.l.d.38.59
 106th Battery - ~~XXD~~ -- U.l.b.40.68
3. Two Sections per battery will be moved on the night of 20th/21st March, 1918; remaining Section per battery will be moved on the night of 21st/22nd March, 1918.
4. All other arrangements will be made by Group Commanders concerned.
5. Completion of move each night will be reported to this office.
6. These batteries will be superimposed on the MESSINES Group front.
7. ACKNOWLEDGE.

H. Stultou

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 2.0 p.m. to:-

	Copy No.		Copy No.
MESSINES Group	1	*Q* AUSTRALIAN CORPS	12
COSTAVERTNE Group	2	8th A.I. Brigade	13
HOLLIBERKE Group	3	14th A.I. Brigade	14
D.T.M.O. 5th Aust. Divn	4	15th A.I. Brigade	15
2nd Aust. Div. Arty	5	SIGNALS, 5th D.A.H.Q.	16
1st Aust. Div. Arty	6	6th (Army) A.F.A. Bde	17
G 5th Aust. Divn	7	Staff Captain	18
Q 5th Aust. Divn	8	R.O.	19
R.A. AUSTRALIAN CORPS	9	File	20
H.A. AUSTRALIAN CORPS	10	War Diary	21 - 23
C.B.S.O. (thro' A.C.H.A)	11		

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app 21

APPEND *21*

SECRET.

Copy No. 11

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER NO. 175.

Headquarters,
21st March, 1918.

Reference Maps 1-10,000 BAS-WARNETON and KORTIEWILDE.

1. On the night 21st/22nd March, 1918, an operation with Stokes Mortars having for its object the gassing of the enemy in his trench systems about U.6.c. and U.6.a. will be carried out.
2. Zero hour will be 2.30 a.m.
3. The operation will only take place provided the wind is between N.W. and S.S.W. inclusive, and provided the wind velocity is greater than 2 m.p.h.
4. During the operation the O.C. No. 2 Special Co. R.M. will establish himself at 8th Infantry Brigade Headquarters.
5. A similar operation is taking place simultaneously on the left brigade front of the 2nd Australian Division.
6. The following code will be used:

RATIONS	will mean	"Conditions favourable"
RUM	will mean	"Conditions unfavourable at present"
RETURNS	will mean	"Conditions unfavourable - operation cancelled".
7. Immediately the operation is over, the 8th Infantry Brigade will wire to Divisional Headquarters the number of rounds fired, e.g. N.C.250, C.G.300.
8. **ACKNOWLEDGE BY WIRE.**

H.H.M.

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 5 p.m. to:

	Copy No.
15th Aust. F.A. Brigade	1
14th Aust. F.A. Brigade	2
5th Aust. D.A. Column	3
3rd {Army} Aust. F.A. Bde	4
6th {Army} Aust. F.A. Bde	5
D.T.M.O. 5th Aust. Divn	6
Signals, 5th Aust. D.A.	7
Staff Captain	8
File	9
War Diary	10 - 12

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APPENDIX 21 227

"A" Form.
MESSAGES AND SIGNALS.

Army Form C. 2121.
(In pads of 100.)

No. of Message

Prefix..... Code..... m
Office of Origin and Service Instructions.
Words. Charge.
This message is dated of m.
Sent
At.....m.
To.....
By..... (Signature of "Franking Officer.")

TO { War Diary

Sender's Number. Day of Month. In reply to Number.
* RA 350 21 A A A

Order No 175 is cancelled

From 5th Aust Div Arty
Place
Time

The above may be forwarded as now corrected.
(Z) Brigade Major,
Censor. Signature of Addressor or person authorised to telegraph in his name.

* This line should be erased if not required.
(3198.) Wt. W 1295./M1294. 375,000 Pads. 1/17. H.W.&V.Ld. (E. 818.)

SECRET.

Copy No. 22

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 176.

Headquarters,
21st March, 1918.

Reference Maps 1-10,000 KORNWILDE and BAS-WARNETON.

1. Minor operations will be carried out by the 8th Australian Infantry Brigade as follows:-

- (a) RIGHT BATTALION. Point of Entry U.11.b.80.60 - U.11.b.85.80 on night 27th/28th March, 1918.
- (b) RIGHT CENTRE BATTALION. Point of Entry O.35.d.85.70 - O.35.b.80.00 on the night 24th/25th March, 1918.
- (c) LEFT CENTRE BATTALION. Point of Entry O.29.b.05.15 on the night 27th/28th March, 1918.
- (d) LEFT BATTALION. Point of Entry JULY FARM O.23.d.10.65 & RIFLE FARM O.23.d.1.9 on the night 24th/25th March, 1918.

2. C.O. MESSINES Group will arrange the Field Artillery programme for the operations detailed in para. 1 (a) & (b).

C.O. OOSTTAVERNE Group will arrange the Field Artillery programme for the operations detailed in para. 1 (c) & (d).

3. Programmes will be forwarded by C.O.'s MESSINES and OOSTTAVERNE Groups for the approval of the C.R.A.

4. COUNTER BATTERY and HEAVY ARTILLERY SUPPORT will be arranged by this office with the AUSTRALIAN CORPS HEAVY ARTILLERY.

5. The SECOND AUSTRALIAN DIVISIONAL ARTILLERY are co-operating with an Artillery diversion each night against WARNETON.

6. Times will be synchronised under arrangements to be made by this office.

7. ACKNOWLEDGE by wire.

H. Stollon

Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 8 p.m. to:-

	Copy No.	Copy No.
MESSINES Group	1	C.B.S.O(thro' A.C.H.A)
OOSTTAVERNE Group	2	"Q" AUSTRALIAN CORPS
HOILERSKEKE Group	3	8th A.I. Brigade
3rd (Army) Aust. F.A. Bde	4	14th A.I. Brigade
D.T.M.O. 5th Aust. Divn	5	15th A.I. Brigade
2nd Aust. Divl. Arty	6	SIGNALS, 5th D.A.H.Q.
1st Aust. Divl. Arty	7	Staff Captain
"G" 5th Aust. Divn	8	R.O.
"Q" 5th Aust. Divn	9	File
R.A. AUSTRALIAN CORPS	10	War Diary
H.A. AUSTRALIAN CORPS	11	
		21 - 23

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SECRET.

Copy No. 10

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 177.

Headquarters,
21st March, 1918.

Reference Maps 1-10,000 KOE WILDE and BAS WARNETON.

1. With a view to bring a gas bombardment, at short notice, against the enemy. Targets are allotted to Groups as under:-

HOLLIBENKE GROUP	-	Target A	-	Area	0.18.a.50.50 - 75.55 - 85.50 - 65.25.
		" B	-	"	P.13.a.45.70-85.75-85.50-55.45.
		" C	-	"	0.18.d.60.98-90.98-98.40-75.40.
OOSTLAVERNE GROUP	-	" A	"	"	0.24.a.85.35-85.05-0.24.b.15.05-15.35.
		" B	"	"	0.24.d.55.40-60.11-90.11-95.40.
		" C	"	"	P.14.a.35.15-70.15-P.19.c.50.90-30.90.
MESSINES GROUP	-	" A	"	"	U.6.c.95.70-U.6.d.20.80-50.45-25.30.
		" B	"	"	P.31.d.25.80-65.75-65.55-30.60.
		" C	"	"	V.1.d.80.90-75.70-V.2.c.05.80-05.90.

2 Orders to bring a gas bombardment into operation will be in the following form "GAS TARGET A ZERO". On receipt of this order the Group concerned will fire 200 rounds of chemical shell with 4.5" Howitzer at the Zero hour specified as quickly as possible. C.Os GROUPS will please make arrangements forthwith so that if necessary these bombardments can take place.

H. Stullon
Major,
Brigade Major,
5th Australian Divisional Artillery.

Issued at 11.50 pm to:-

"G" 5th Aust. Divn	Copy No.	1
MESSINES Group		2
OOSTLAVERNE Group		3
HOLLIBENKE Group		4
R.A. AUSTRALIAN CORPS		5
Staff Captain		6
File		7
R.O.		8
War Diary		9 - 11

For Official Use Only.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.



From 6 a.m. 20th March - to - 6 a.m. 21st March, 1918.

NOTE: Not to be taken into front line trenches.

FORECAST OF DISPOSITIONS. No change.

1. OPERATIONS.

Artillery. Our Artillery actively engaged enemy roads, tracks, and centres of activity in O.23.d., O.24., O.29., O.30., railway track along Grid line between P.19 & 25 and tracks in O.35.b., O.36., P.31., at irregular intervals between 2 am and 5 am in anticipation of enemy reliefs in these areas. Hostile movement and enemy working parties were observed at frequent intervals throughout the day as follows:- 1 pm movement in ORKNEY TRENCH O.18.b. and APPLE Fm P.19.a; this was effectively engaged. Small parties were seen near CODE Fm O.23.d., and in vicinity LAKE Fm O.24.c., during morning. Hostile movement during the afternoon was observed at SQUARE Fm O.30.b., CODE Fm O.23.d., P.13.b., P.19.a.50.50., POLL HOUSE O.18.a and repeated movement around BOMB Fm. All these targets were engaged and parties effectively dispersed.

At 4.45 p.m. Infantry reported a hostile party of 20 men at P.2.c.85.05. This was immediately engaged and successfully dispersed.

Hostile T.M.'s in KIWI, KINGSCLEERE, vicinity U.6 and U.12 were frequently engaged throughout the night. Bursts of fire were also put over on T.M. positions in PILL & SALMON Farms O.24.c and O.30.c., At 10 am and 3 pm. Hostile H.T.M. was also reported firing from BOMB Fm at 8 am and 9.30 am and successfully silenced upon each occasion.

Wire cutting shoots were carried out on enemy wire at U.5.d.7.1 between 4.15 pm and 4.50 pm with very good results.

Our H.T.M. engaged active MINIBENWERSTER at O.36.c. 70.70 at intervals throughout the period.

2. IDENTIFICATIONS Nil.

3. HOSTILE SHELLING Enemy Artillery were moderately active over all areas throughout the day and fire was widely dispersed. Activity increased considerably throughout the night and early morning, forward areas being especially shelled with 4.2; 5.9 H.E. and Gas.

At 4-50 a.m. about 600 rounds Gas Shell fell in O.9.a. 77mm and 4.2 in vicinity of 7th. Battery position, no damage has been done.

Between 5 p.m. and 11 p.m. 5.9 Gun firing from direction Left of WERVICQ, between 20 and 30 rounds over in vicinity PALMA DUMP and N.18.a. and c, causing some damage.

Light Railway in N.18.b. was cut in one place, and some damage done to TrenchTramway Shed. This gun was again active between 5 a.m. and 6 a.m. but no damage was done. H.V. Gun shelled heavily back areas throughout the night

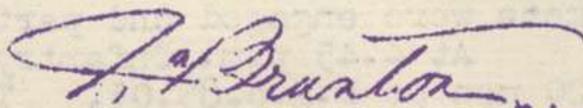
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HOSTILE SHELLING (contd)

particularly in vicinity of our CENTRE Brigade Wagon lines in N.33.c.7.7 where considerable damage was done to material and slight casualties inflicted on personnel.

4. **ENEMY ATTITUDE.** Artillery very active throughout night and during early morning. Back area being heavily shelled by H.V.Guns. T.M's continue very active on Right Sector front. Movement observed at frequent intervals probably working parties and fatigues.
5. **ENEMY DEFENCES.** Nil.
6. **ENEMY AERIAL ACTIVITY.** This was below normal throughout the day.
7. **MOVEMENT AND ORGANISATION.** Hostile working parties observed and engaged ORKNEY TRENCH, APPLE, BOMB, CODE, SQUARE and LAKE Farms and POLL HOUSE during day.

Visibility. Poor during morning; improved throughout afternoon.



Lieut,
for Reconnaissance Officer,
5th Australian Divisional Artillery.

H.Qrs., 21st March, 1918.

21/3/18

APPENDIX 81

Time.	No. of Rnds.	Nature.	Objective or Area shelled.	Direction or Grid Bearing.	Observed from.	Remarks.
Right Group.						
6.30 a.m.	4	4.2 gas	U.9.			
9.15 am	?	77 mm & 4.2	U.5.b.			
9.30 am	20	5.9	0.32.b.	WARNETON		
11.30 am-12 noon	47	4.2	T.12			H.E. Shrap & Gas
12.30 pm	?	4.2	U.5.b.			
1 to 1.35 pm	20	4.2	0.32.d.52.20	MB 120°	0.31.b.50.55	
1 pm	10	77 mm	MESSINES		V.13.c.	
12.35 to 2.5 pm	21	4.2	T.12			
1.10 to 2 pm	?	4.2	0.34.c. FANNYS C.T.			Section salvos
2 to 3 pm	?	4.2	MESSINES	SB 3° L of COMINES CH.	0.33.c.50.45.	Gas & H.E.
2.5 pm ..	6	4.2	U.7.			
2.30 pm	5	5.9	T.12			
3.5 pm	26	5.9	T.12			
3.5 to 3.25 pm	52	5.9	U.14			
6.20 pm	8	4.2	U.2.			Shrapnel
8.10 pm	6	4.2	U.14.			
10.30 pm	6	Gas	0.31.a.			Gas & H.E.
8.40 to 9.40 pm	100	4.2	U.8.			
10.15 pm	10	5.9	U.7.d.			
10.20 pm	55	Gas	U.9.b.			
12 to 12.30 pm	20	5.9 H.E.	U.7. a.			
11.11 pm	20	"	"			Gas & H.E.
1.35 am	50	5.9	U.7 & U.8			
Centre Group.						
10 to 1.45 am	50	77 mm	0.28.d.			
2.45 pm	8	4.2	0.29.a.2.5.	P.26	0.28.a.35.05	
3 pm	40	4.2	0.16	103°	0.19.b.6.3.	
During day	?	8" or 9.2"	KELLER & DRANOUTRE	92° 30'	"	
Left Group.						
12.40 am			5 flashes	86° Grid	0.11.a.30.38	CB infd 12.50 am
2.15 to 2.45 pm	30	4.2 How	0.11.a	103° Grid	0.11.a.10.35	" " 2.45 & 4 pm
7 to 10 am	-	4.2 How	0.11.a. & o.		0.8.d.65.80	
10 am	2	H.T.H.	0.16.b.	BOMB Fm	"	
12 noon	-	0.2 HV	0.11.a.		"	
1 to 2 pm	40	77 mm	0.11.a.		0.11.a.30.38	
5 to 5.15 pm	7	4.2 HV	BARMA DUMP		N.18.b.90.25	
4.50 to 6 am	600	app. 77mm & 4.2 Gas	0.9.a & b	SB 110° Grid	0.9.a.50.30	CB infd 4.50 am. Mostly phosgene.