

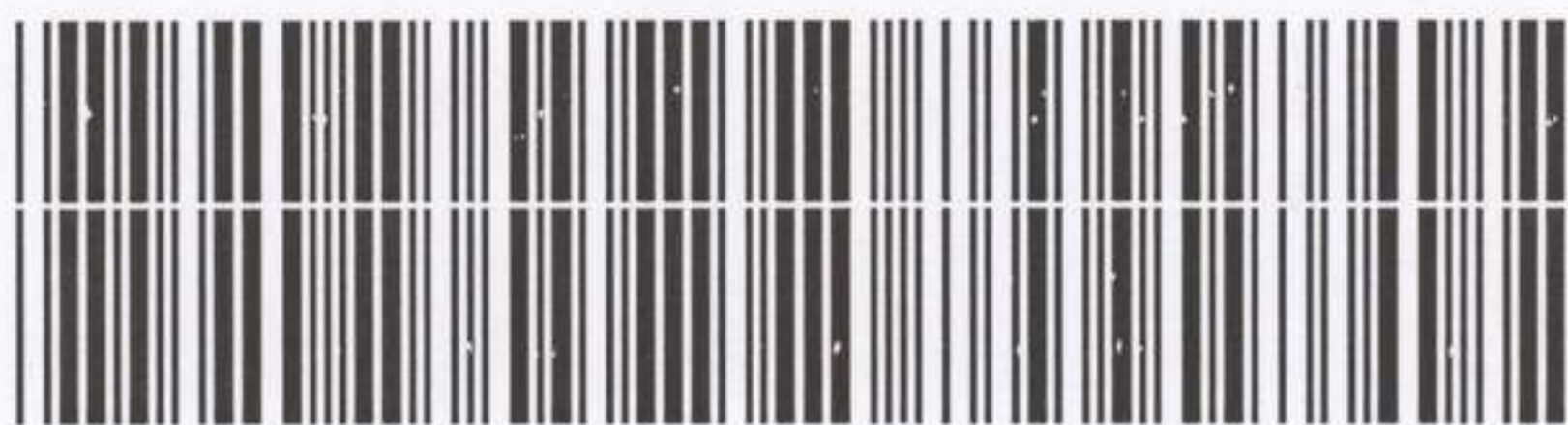
AWM4
Australian Imperial Force unit war diaries,
1914-18 War

Artillery

Item number: 13/14/6

Title: Headquarters, 5th Australian
Divisional Artillery

July 1916



AWM4-13/14/6

1/7/1916

VOL 5

Entrained at CALAIS for HAZEBROUCK arriving at HAZEBROUCK at 9 40am. C.R.A. interviewed G.O.C. 5th Aust Div re new positions. Preliminary work re formation of Trench Mortar Batteries. One (1) Heavy and three (3) Medium Mortar Batteries to be formed from the personnel at present in the Artillery. C.O. 13th and 15th F.A. Brigades each send one (1) Officer and 11 men to attend School of Instruction in Trench Mortars at St OMER. School to commence on Monday 3rd inst. 13th F.A. Brigade and D.A.H.Q. Staff entrained at HAVRE for LINDE. Head-Quarters Staff established in billet (Brewery M -----) at LINDE.



- LINDE
1/7/1916 Communication opened up with Head-Quarters 5th Aust Div. Motor Car received and retained at Billet. Routine Orders, in connection with correspondence received from 5th Aust Div. Information received for C.R.A. to attend conference at 2nd Div Head-Quarters tomorrow the 2nd inst.
- 2/7/1916 Motored to SAILLY, C.R.A. attends conference of Div Commanders, Div C.R. A's and C.R.E.'s at H.Q. 1st A.D. Motored to H.Q. 2nd D.A. CROIX DU BAC and went round the positions of Guns and Brigades on the Right Flank. Orders sent out to Brigades re the formation of Trench Mortar Batteries both Heavy and Medium. Re organization of Artillery decided and awaits the arrival of Brigades before being put into execution. 13th F.A. Brigade and Head-Quarters Staff arrived at STEENWERCKE and were moved on to their billets at LA LABOURIER and LINDE respectively.
- 3/7/1916 15th F.A. Brigade arrived and were moved into their billets at LA CISEAUX. C.R.A. and B.M. inspection of Wagon Lines occupied by the 2nd D.A. and the front line trenches from an observation station of the 5th F.A. Brigade. Maps, Papers and defence schemes were received from the 2nd Div Artillery of the area occupied by that Unit. C.R.A. interviews the G.O.C. R.A. 2nd ANZAC re occupation of the line when the Artillery Brigades have arrived from the Base. It was learnt that the 5th Div Artillery are to take over the 4th D.A. i.e. 2 of the 2nd D.A. and the whole of the area of the 1st Div Artillery.
- 4/7/1916 C.R.A. inspects the billets occupied by the Brigades and further interviews the G.O.C. 5th Div re formation of Trench Mortar Batteries. Infantry Supply 1 Officer and 11 men for each Battery (Medium) 13th 14th and 15th Brigades supply the remainder of the personnel each for the Medium Batteries, making a total of 3 Medium Batteries in all. All Units supply conjointly 1 Trench Mortar Battery which was placed under the charge of Lieut KELLY 25th F.A. Brigade. Captain MILES 5th D.A.C. was selected as D.T. M.O. and D.A.C. provide his staff one clerk and one Batmen. 2 Sections of D.A.C. arrived and move into billets near LINDE and BLARINGHEM respectively.
- 5/ 7/1916 C.R.A. inspects the billets occupied by the troops. Routine.
- 6/7/1916 C.R.A. motored out to the front line to inspect positions on the left held by the 4th D.A. Brigade Commanders of 13th 14th and 25th F.A. Brigades reconnoitered and inspected the left, right and Centre groups respectively of the positions occupied by the 4th D.A. returning to their billets the same day. C.R.A. inspected each group Head-Quarters and later interviewed C.R.A. N.Z. Div at ARMENTIERES. At 10 am 13th F.A. Brigade underwent "GASSING" test with real gas. This practice was held near their billets, cattle and animals being removed away from the vicinity for the purpose.
- 7/7/1916 Arrangements made for inspecting of the 15th F.A. Brigade by the 2nd ARMY COMMANDER (GEN PLUMER) but this was cancelled later. 14th F.A. Brigade arrived and moved into billets on the main road between LES CISEAUX and BLARINGHEM. C.R.A. inspected this billet and examined carefully the quarters occupied by the men.

VOL 5

LINDE
8/7/1916

Battery Commanders left at 0600 to inspect the Battery positions in the front line. C.O. 14th F.A. Bde took charge of this party and detailed them to various positions. H.Q. 4th D.A. provided guides for this purpose. Batteries divided and placed into groups for this purpose in accordance with Order attached. R.A.H.Q. moved from LINDE and established at CROIX DU BAC. Conference held by B.G.R.A. at 4th D.A.H.Q.

CROIX DU BAC
9/7/1916

Routine. Commencement of task of taking over from 4th D.A. Staff Captain and 1 Officer of D.A.C. reported to 2nd ANZAC Corps Ammunition Park and were instructed in ammunition supply. 1 Officer of D.A.C. for the same purpose reported to 4th D.A.C. for the same purpose and for the location of the various sections of the D.A.C. B.M. interviews B.M. of 4th D.A. with a view to taking over the Head-Quarters.

10/7/1916

C.R.A. and B.M. spent morning at 4th D.A.H.Q. getting preparatory information as to taking over from that Division. C.R.A. in company with C.R.A. 4th Div inspected the Batteries positions occupied by the Right Group. Portions of personnel of Brigades moved down into Battery positions as follows:-
Brigade Head-Quarters - 2 Officers and 4 O.R. i.e. Bde Commander, Orderly Officer 2 Telephonists and 2 Batmen. - Batteries as in attached Order. (Order No 3)
Each Battery puts in the above personnel into the Battery into which he is taking over and spends as much time as possible in gaining information of the country, registration, communications etc. Brigade Commanders do likewise with respect to the Group Head-Quarters. Orders issued to remainder of the Artillery to move to CROIX DU BAC tomorrow the 11th inst.

11/7/1916.

2 Officers return from Trench Mortar School. Remainder of Artillery left at BLARINGHEM move to CROIX DU BAC. Billets selected for these Units in the morning. Brigades under the command of their Adjutants, move on the Road THIENNE - TAMNAY - MERVILLE - ESTAIRES thence North of River LYS to CROIX DU BAC. Column moved in the following order:- 13th F.A. Brigade, 25th F.A. Brigade, 15th F.A. Brigade, 14th F.A. Brigade and 5th D.A.C.. Head of Column passing the starting point THIENNE village at 0900. Captain NOONAN 25th F.A. Brigade took charge of Column, marshalled it and moved it off. This work was carried out in a most successful manner, Units arriving at CROIX DU BAC at 1600. Whole Column being in their billets at 1900. C.R.A. and B.M. at 4th D.A.H.Q. taking over from that Unit. C.R.A. inspects the billets and lines occupied by the Units coming in. 4 Officers (T.M. Officers) proceed to School of Instruction at BERTHEN.

12/7/1916

Units handed over all Guns and Sights to the 4th D.A. retaining their own small stores and Wagons. This transfer was complete at 1000 the 12th inst. Trench Mortar Batteries handed over all Trench Mortars and took over all armament of 4th D.A. under orders issued. The transfer of the personnel of the two Divs took part during the day and night, necessary details being arranged by Officers concerned. Transfer in accordance with order attached.

VOL 2

SAILLY.
13/7/1916

C.R.A. 5th Div Artillery took over the command of the line from 4th Div Artillery at 1000. Wagon Lines of 5th D.A. run into the lines of the 4th D.A. 4th D.A. moving into the billets occupied by the 5th D.A. 3 Officers and one (1) C.O., one (1) from each Group moved to TILQUES to attend Artillery School there. Conference of Brigadiers, C.R.A. C.R.E. and Brigade Majors held at D.W.Q. and points discussed with reference to the occupation of the line. At 1800 conference held at D.A.H.Q. of Group Commanders, C.O. 15th F.A. Brigade and Adjutants and points discussed at Conference at 5th Aust Div passed on.
CASUALTIES :- Nil

14/7/1916

At 0100 conference held at Div Head-Quarters with reference to Scheme proposed for attack on the Sector of our front. Orders issued to Brigades re this Scheme at 0600. Conference of Group Commanders was held at R.A.H.Q. and scheme explained. Orders for reconnoitering areas were issued and were carried out forthwith. C.R.A. inspects proposed areas by Brigade Commanders. Conference held at D.A.H.Q. re change in Scheme. Orders issued re this change. Conference of Group Commanders held at Centre Group and Scheme explained to them. 5th Aust Division placed under the command of XI Army Corps for operation. B.G.R.A. 2nd ARMY and B.G.R.A. XI Corps visited C.R.A. C.R.A. 31st Division, C.R.A. Heavy Artillery also visited D.A.H.Q. Detailed Orders issued re occupation of new position. Groups commenced to change. All Officers and N.C.O's at Schools rejoined their Units. Batteries registered positions during the day and Wire cutting Batteries turned on to the Wire at intervals during the day.

CASUALTIES :- Nil

15/7/1916

Area to be attacked by the Division transferred to points further South N Officers of Artillery (Group Commanders) reconnoitered the new area. 4th Div Artillery (Less H.Q. Staff attached for duty to 5th D.A.). Brigade Commanders of 4th D.A. interviewed by C.R.A. at 0700 to explain the positions of Batteries and Groups and roughly the method of attack. Brigade and Battery commanders of 4th D.A. reconnoitered the position for suitable places for their Units. ~~One~~ Brigades of the 31st Division allotted for duty to 5th D.A. and positions selected (one Battery allotted to each Group) Three Medium T.M. Batteries arrived. Reconnaissance of Trenches and their positions made. Major KEANE allotted to Unit to act as D.T.M.O. for the attack. Batteries of left Group moved during the night to position of centre of entrenched area vide D.A.O. No 6. Batteries registering points during the day and wire cutting. Preparatory Orders issued re Bombardment, see Appendix attached. Command of Groups Right Centre and Left each nine (9) 18pr Batteries and two (2) 4.5" Howitzer batteries allotted to Cols Phillips, Caddy and Cox-Taylor respectively. Trench Mortar Personnel of X 5 A. Y 5 A and Z 5 A and V 5 A are attached to Trench Mortar Batteries received from 60th and 51st Division as reinforcement personnel ~~and~~

CASUALTIES :- Nil

16/7/1916

All groups move into their new position being ready and in action at 0300. Batteries register points along front allotted to them and wire cutting Batteries commence and start wire cutting along the whole front. Enemy shelled one (1) O.P. Station and one (1) Battery during the day in desultory fashion but no damage occurred. Orders issued to Groups re attack tomorrow ~~and~~ For copy of Orders see Appendix A.

CASUALTIES :- NIL

VOL 53

17/7/1916

Zero time postponed from 0400 to 0800 thence to 1100 and finally cancelled for the 17th 18th inst, This was owing to the heavy mist and fog which prevented heavy Artillery from Registering. Batteries complete registration of their targets during the day and wire cutting batteries continue wire cutting. Ammunition replenishment, communications and finish of pits complete the days work. Conference of Group Commanders held at D.A.H.Q. and points explained as to their action during the postponement of the attack and generally with regard to their Groups. G.O.C. R.A. XI Corps interviewed the C.R.A. Gas alarm was sounded at 11pm and 12 midnight but no casualties were reported. Retaliation series was carried by four (4) Batteries from each Group firing on their night lines. Right Group 2400- 2430 and 0200- 0230 Left Group 0230 - 0300 and 0315 - 0345 Centre Group 2430- 0100 and 0130- 0200. An allowance of 20 rounds per Battery was made for this series. Hostile Fire to a small extent was received in reply.
CASUALTIES :- Nil

18/7/1916

Retaliation series was ~~planned~~ fired by the Right Group on specially selected targets on the right of our line - vide Order attached. This Series was successful and no Hostile fire was made in return. Batteries continued registering and wire Cutting Batteries engaged in cutting wire on their front during the day. An allowance of 200 rounds per gun was made for this purpose. Orders received that attack is to take place tomorrow the 19th inst. Orders issued to Groups for this purpose. 114th Battery carry out series with hostile Battery with Balloon observation results reported were satisfactory, G.O.C. R.A. XI Corps ~~minutes for RA~~ wrote C.R.A. and approves of orders re the attack.
CASUALTIES :- Nil

19/7/1916

For details of operation on 19th inst see Appendix A attached.
CASUALTIES :- Lieut KEMMIS (shell shock) , 10 O.R. Killed, 14 O.R. wounded.
AMMUNITION EXPENDED :- A & AX 62092 BX 4507.

20/7/1916

For details of operations on 20th inst see Appendix A attached.
CASUALTIES :- 1 O.R. Killed , 6 O.R. wounded. AMMUNITION EXPENDED :- A & AX see 19th BX see 19th.

Vol 52

21/7/1916

A very quiet day and very little activity on either side. Hostile aircraft was very active but was prevented from approaching our lines by our Artillery fire. 6 Observation Balloons were observed during the day and two were forced to descend by our aircraft. Hostile Artillery shelled our trenches intermittently but without causing any damage. Our Artillery did not fire as during most of the day parties were sent out to NO MAN'S LAND to collect the wounded. For this purpose a partial truce existed and our wounded were collected without molestation. 171st Brigade R.F.A. 31st Division was withdrawn during the night and returned to their billets at LEPINETTE. ~~This~~ Brigade had done most useful work during the night. 24th Brigade R.F.A. 6th Division moved from their position during the night, handing over their equipment and gun positions to 3 Batteries of the Centre Group. Lieut Col Caddy took charge of these three Batteries and the Sector they held, handing over the Command of the Centre Group to Lieut Col WAITE 4th D.A. Allotment of ammunition to the 30th July reduced to A and A X 3800, B X Nil. CASUALTES :- 1 O.R. Wounded. AMMUNITION EXPENDED :- A & AX 26 B X Nil.

22/7/1916

A very quiet day, very little hostile shelling except occasionally along our front line. Our Artillery fired at intervals during the day in retaliation, but for the most part everything was quiet. Two Trench Mortar Batteries of the Canadian Division was withdrawn from the front line and left for their own Division. 4th D.A. less 10th F.A. Brigade was withdrawn from their positions and moved back to their wagon line with the exception of the 11th F.A. Brigade who were handed over to the N.Z. Divisional Artillery. 10th F.A. Brigade remains attached to this Unit. 5th Australian Division occupy an extended front from BOND Street (N 8 d 05.80) to the BOUXX Salient (I 31 c 44). Conference of Group Commanders and instruction given with regard to the Grouping of the Artillery to cover this new Divisional Line. Group Areas allotted to Groups - See Order attached. Reconnaissance of new area made by Group Commanders and arrangements made for the occupation of these new areas. The M.G. R.A. 2nd ARMY visits the C.R.A. and asks him to express his pleasure at the excellence of the shooting and the good work done by the Batteries during the operations of the 19/20th insts. C.R.A. inspected the Battery positions proposed in the Right Group. CASUALTIES :- NIL. AMMUNITION EXPENDED A & AX 43 BX 4.

23/7/1916.

Very quiet day and very little hostile Artillery Fire. Reconnaissances made of the new Group areas by Battery Commanders concerned and Battery positions O.P's and Wagon Lines selected. Our Batteries did not fire as most of the Battery Officers were on duty in reconnaissance work. T.M. Battery of the 50th Div withdrawn from the trenches and returned to its unit. During the night all Batteries of the Division occupied their new positions. 10th F.A. Brigade Batteries split up and allotted one Battery to each Group with the exception of the Right Group to which two Batteries were allotted. This change of Position was completed by 2 am the 24th inst. Communications laid and completed to these new positions. T.M. Personnel moved from the front line trenches to billets in SAILLY. CASUALTIES :- O.R. Wounded 2. AMMUNITION EXPENDED :- A & AX 137 BX Nil.

24/7/1916

A quiet day. Hostile Artillery shelled our front line towards our right and during the afternoon shelled to

24/7/1916

the old position of the 51st Battery which had been vacated. Batteries of the Left and Centre Group did not fire. The 53rd and 54th Battery of the Right Group fired on the enemys trenches in their Section, retaliating against the enemys Artillery fire. Batteries commence work completing and repairing the Gun Pits occupied. The C.R.A. inspected the Wagon Lines of the Division.

CASUALTIES :- NIL AMMUNITION EXPENDED :- A and A X 137 B 16.

25/7/1916

Observation was difficult, weather misty and dull. Enemy shelled our trenches at intervals during the day but no damage was reported. Batteries were engaged in registering their new positions and checking their lines of fire. Working parties were reported by the infantry and were engaged by the 50th and 51st Btys who dispersed them. A Machine Gun emplacement under course of construction was pointed out by the Infantry and engaged by the 57th Battery with H.E. 66 reinforcements were received and apportioned out to Brigades. The B.G. R.A. 2nd ANZAC visited the C.R.A. and was told the present position and allocation of the Batteries to their present tasks. C.R.A. inspected the new Battery positions of the left group and gave the necessary orders for the movement of two of the Batt~~ies~~ where positions were not sufficiently well placed to engage the task in hand. Two enemy balloons were observed during the afternoon but only remained up for about two hours.

CASUALTIES :- NIL AMMUNITION EXPENDED :- A and A X 460. B Nil

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SAILLY
26/7/1916.

Observation was difficult the weather being misty and hazy. Working parties observed building up parapets and repairing ~~trenches~~ trenches damaged by our fire on the 19/20th insts, were dispersed by our fire. Batteries fired very little; their time being taken up building new pits and preparing the positions occupied by them in the new section. The B.G. R.A. 2nd ANZAC inspected minutely the Battery positions and O.P Stations of the Right Group and explained to Battery commanders carefully his views as to their action and concealment of their positions. Schools commenced in each Battery for the instruction of Officers N.C.O's, specialists and Gun Detachments and proposals submitted to this Office as to their continuance. One Battery commander from each Group attended the daily School of instruction at N O 16 Squadron R.F.C. for cooperation of Artillery with Aircraft.

CASUALTIES - NIL Ammunition expended 178 rounds A & AX.

27/7/1916

Very quiet day. Observation difficult, weather very misty and hazy. Batteries fired very little during the day all available time being taken up in preparing new positions. C.R.A. inspected the new positions occupied by the centre group and requested improvements in the building and construction of the pits. Ammunition distributed in front of Rail head laid down and issued to Units - see order attached. Eight (8) N.C.O's recommended for commission left for Artillery School at TILQUES. Recommendations for rewards in connection with the operations of the 19/20th inst submitted to D.H.Q.

CASUALTIES :- NIL

AMMUNITION EXPENDED :- 93 rounds A & AX.

28/7/1916

Observation very difficult during the morning but improved considerably during the day when it became very good. Every thing very quiet, desultory shelling only by both sides. C.R.A. inspected the Battery positions of the left Group and examined Candidates for commissions at each of the Group Head-Quarters. Batteries occupied in building and constructing their Gun trenches. 59th and the 56th Battery each engaged targets in conjunction with Aeroplane observation but owing to the heavy shelling by enemy anti-aircraft guns no real good work was done. At 7 pm enemy heavily bombarded our trenches in the centre sector. Our Batteries retaliated immediately on the enemy trenches when their Artillery ceased fire.

New communications with Groups and Head-Quarters and Groups and Batteries practically finished.

Work begun with burying all circuits and making a metallic return. One (1) N.C.O detailed from the T.M.Btys as assistant instructor at the T.M. School.

CASUALTIES :- Nil. AMMUNITION EXPENDED :- 66 A & AX.

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29/7/1916

Observation was good and clear during the day. Both our aircraft and Hostile aircraft were busy during the day. Hostile Batteries were very evident during the afternoon. Enemy shelled FLEURBAIX with 5.9" and 4.2" and demolished the church in the village. Our Guns replied in retaliation, the 4.5" Howitzers on FROMELLES Village and the Heavies on the village and active on Battery positions in the vicinity. On the commencement of this organized retaliation the hostile bombardment ceased. Conference of Group Commanders held in the morning and points discussed re retaliation scheme S.O.S. procedure etc. Our Batteries registered positions during the day and also answered hostile Fire with immediate retaliation as it occurred.

Casualties :- Nil AMMUNITION EXPENDED :- A & AX ~~404~~ 468 B ~~404~~ 39.

30/7/1916.

Observation difficult during the morning but improved slightly towards the afternoon. Very little aerial activity on either side. Very quiet day. Our Batteries engaged during the afternoon in registering points along the enemy's trenches both Front and support lines and also parties in rear. Enemy replied to our shelling but our retaliation in each case prevented him from continuing. C.R.A. attends at 5th Div Head-Quarters to meet the 2nd ARMY COMMANDER (Gen PLUMER) who congratulated him on the work of the Artillery during the recent operations 19/20th insts. CASUALTIES :- Nil. AMMUNITION EXPENDED :- A & AX 1356 BX 63.

Place	Date	Hour	Summary of Events and Information	Remarks and references Appendix
	31/7/16.		<p>Observation difficult all day. Weather very misty and hazy. Very little activity on either side. Our Artillery retaliated on enemy's trenches at 8 p.m. to weaken hostile Artillery fire which was being made on them, with the result that the enemy fire was stopped. Brigade Major inspected Right Group positions and recommended area for suitable observing points which were found. Battery Commanders and Group Commanders engaged in selecting observation stations which might be capable of improvement against weather and bombardment.</p> <p>CASUALTIES :- Nil. AMMUNITION EXPENDED, A & AX 293 BX 1.</p> <p>(Sgd). F. THORNTHWAITHE. Maj.</p> <p><i>(Original for 31st written on same sheet as entries for beginning of subsequent month and filed with volume for that month)</i></p>	

APPENDIX

Copy No.....1.....

5th. DIVISIONAL ARTILLERY ORDER No. 1.

Head-Quarters, 5th. July 1916.

REFERENCE SHEET 36 - 1:40,000.

RECONNAISSANCE 1.- Reconnaissance of the area occupied by the 4th. D.A.
FRONT LINE will be carried out to-morrow the 6th. inst. by the
POSITIONS. commanding Officers of the 13th, 15th and 25th.
F.A. Brigades.

2.- Reconnaissances will be carried out as follows :-

Right Group by Lieut-Col LUCAS. C.O. 15th. F.A. Bde
Centre Group " " COX TAYLOR, C.O. 25th. F.A.B.
Left Group " " CADDY, C.O. 13th. F.A. Bde

3.- The following points are to be paid particular
attention to during the reconnaissance.

- 1.- Battery Positions.
- 2.- Observing Stations.
- 3.- Communications.

Officers will proceed to the best observing stations
in the Group and gain as much information as possible
of the surrounding contry.

Particular attention should also be paid to registra-
tion cards, gun arcs, panoramic sketches, etc., of
the Batteries inspected.

Alternative emplacements and emplacements not occupi-
ed should also receive attention.

TRANSPORT

4.- One (1) Motor Car will report for C.O. 25th. How. Bde
at 25th. Brigade H-Qrs at 0700, 6th. inst, will then
proceed to 15th. F.A. Bde H-Qrs for C.O. 15th. Bde
thence to the 13th. F.A. Brigade thence to the 4th.
D.A. Head-Quarters at Bac St MAUR.

Guides will be in waiting at 4th. D.A.H.Q. and will
guide officers to various Groups they will inspect.

The Motor Car will be available for return, Lunches
should be taken.

Sgd/ F.THORNTHWAITE, Major,

Brigade Major, 5th. Div Artillery.

Copy No 1	-	FILE
2	-	C.O. 13th. F.A.B.
3	-	C.O. 15th.
4	-	C.O. 25th.

Copies to C.O. 14th. F.A.Bde
C.O. 5th. D.A.Col

APPENDIX

Copy No. 1

11

SPECIAL DIVISIONAL ARTILLERY ORDER.

6th. July 1916.

REFERENCE SHEET - 36 A. 1:40,000.

- 1.- The Army Commander will inspect the 15th. F.A. Brigade to-morrow afternoon the 7th. inst.
- 2.- The 15th. F.A. Brigade will be drawn up in Column of Route on the right hand side of the road (LES CISEAUX - I 1 d 8.9 - I 1 d 9.2 - I 7 d 10.8 - I 8 b 8.9 facing East.
- 3.- The head of Column to be at point I 8 b 8.0 at 15-20 ready to march past.
- 4.- Inspecting Staff will be stationed on the left hand side of road at point 32.8 (I 9 a 5.4) at 15-30.
- 5.- The Brigade will march past in column of Route returning to their billets via Point 33 - ANCIENNE VOIE ROMAINE DITE RUE DES BIERRES - at I 3 b 3.8 - to their respective billets.
- 6.- Dress - Marching Order.
- 7.- C.O. 15th. F.A. Brigade will ensure that Batteries moving into billets do not block the road to Units in rear. Arrangements must be made for Batteries to move direct into their paddocks - no halts can be allowed.

Sgd/ F.THORNTHWAITE, Major,

Brigade Major, 5th. Divisional Artillery.

ISSUED TO:-

COPY No.

FILE

1

15th. F.A. Bde

2

Copiesto:-

13th. F.A. Bde

14th.

25th.

D.A. Col.

APPENDIX

Copy No.....7.....

FIFTH ARTILLERY DIVISIONAL ORDER No. 2.

8th. July 1916.

REFERENCE SHEET 36 - 1:40,000.

- 1.- A reconnaissance of the front line occupied by the 4th. Div Artillery will be undertaken by Battery Commanders of all Brigades to day the 8th. inst.
- 2.- Reconnaissance will be undertaken by Units as follows :-

LEFT GROUP.

O.C. 49th. Battery.)	
O.C. 50th. Battery.)	
O.C. 51st. Battery.	)	13th. F.A. Brigade.
O.C. 113th. Battery.)	
O.C. 57th. Battery.	)	15th. F.A. Brigade.

CENTRE GROUP.

O.C. 52nd. Battery.)	
O.C. 56th. Battery.	)	25th. F.A. Brigade.
O.C. 60th. Battery.)	
O.C. 115th. Battery.)	
O.C. 59th. Battery.	)	15th. F.A. Brigade.

RIGHT GROUP.

O.C. 53rd. Battery.)	
O.C. 54th. Battery.	)	14th. F.A. Brigade.
O.C. 55th. Battery.)	
O.C. 114th. Battery.)	
O.C. 58th. Battery.	)	15th. F.A. Brigade.

- 3.- C.O. 14th. F.A. Brigade will accompany Battery Commanders and will inspect the Right Group occupied by the 4th. Divisional Artillery.
- 4.- O.C. Batteries during their reconnaissance will pay particular attention to points as under and will glean as much information as possible during their inspection.
 - 1.- Battery Positions.
 - 2.- Registration, Gun arcs, panoramic sketches, etc.
 - 3.- Observing Stations.
 - 4.- Communications.
- 5.- The following arrangements are made for the transport :-
A Motor Bus will be in waiting at D.A.H.Q. at 0615. Guides will be in waiting at 4th, D.A.H.Q. to guide officers on their arrival to their respective positions. The Motor Bus will be ready at 4th. D.A. H.Q. to convey officers back to their billets on return the same day. Lunches should be taken.

Sgd/ F.THORNTHWAITE, Major,
Brigade Major, 5th. Div. Artillery.

ISSUED TO :-	COPY	No.
C.O. 13th. F.A.B.	1	
14th	2	
15th	3	
25th	4	
5th. D.A.C.	5	
FILE	6	
WAR DIARY	7	

APPENDIX

Copy No

5th DIVISIONAL ARTILLERY

SECRET.

ORDER No 3.

Head-Quarters,

July 9th 1916.

REFERENCE TO MAP SHEET 36. 1 : 40,000.

RELIEF.

1.- The relief of the 4th Australian Division in the line by the 5th Australian Division will be carried out on the nights of the 10/11, 11/12 and 12/13 July.

ARTILLERY.

2.- The 4th Divisional Artillery will not be relieved completely at present. Arrangements have been made to take over gradually by putting into the line Officers and men of the 5th Divisional Artillery.

DETAIL OF RELIEFS.

3.- The following personnel from each Brigade Head-Quarters and Battery will move to their respective Groups on Monday July 10th.

Table shewing move in detail is attached.

BRIGADE HEAD-QUARTERS.

Brigade Commanders	1
Orderly Officer	1
Telephonists	2
Batmen	2
Total	6

BATTERY

Battery Commander	1
Subalterns	1
Gun Layers → Nos 1	4
Gun Numbers	12
Signallers & Telephonists	5
Batmen	2
Total	29

MAINTENANCE.

4.- 48 hours rations, Blankets, Officers Valises will be carried. Arrangements have been made with 4th Divisional Artillery to billet above personnel with the respective Group Head-Quarters and Batteries they are taking over.

ALLOTMENT OF BATTERIES WITH GROUPS.

5.- O.C. Groups will allot Battery personnel to Batteries in the Group they are taking over, notifying position of Btys and Head-Quarters to D.A.H.Q. at 0900 on Tuesday July 11th.

INSTRUCTION.

6.- Every endeavour must be made of the time available before the arrival of the remainder of the Division to obtain as much information as possible of the country, the procedure, communications, ammunition supply and Wagon Lines.

AMMUNITION EQUIPMENT MAPS, STORES ETC.

7.- Instructions as to taking over ammunition, equipment, Maps, Stores etc will be notified later.

REPORTS.

8.- Divisional Artillery Head-Quarters is established at CROIX DU BAC (G 6.9).

MOVE OF UNITS ON MONDAY JULY 10th 1916.

U N I T	Numbers	LOADING STATION.	No of Busses available.	Destination.	Time of Loading.	R e m a r k s.
14th F.A.BDE HQ	6)					
53rd Bty	29)					
54th "	29)	BLARINGHEM				
55th "	29)	(old 5th	7	RIGHT GROUP.	0600	
114th "	29)	Aust Div				
58th "	29)	H.Q)				
15th F.A.BDE)					
:Head-Qrs	6)			12th F.A.BDE H.Q.		
25th F.A.BDE						
H.Q	6)	BLARINGHEM				
52nd Bty	29)	(old 5th	7	CENTRE GROUP.	1100.	
56th "	29)	Aust Div				
60th "	29)	H.Q)				
115th "	29)					
59th "	29)					
13th F.A.BDE		BLARINGHEM				
H.Q	6)	(old 5th	7	LEFT GROUP.	1600	
49th Bty	29)	Aust Div				
50th "	29)	H.Q.)				
51st "	29)					
114th "	29)					
57th "	29)					

APPENDIX

APPENDIX

16

5th DIVISIONAL ARTILLERY ORDER No 4.

SECRET.

Head-Quarters, July 11th 1916.

REFERENCE MAP. SHEET 36. 1: 40,000.

- RELIEF.** 1.- The relief of the 4th Div Artillery by the 5th Div Artillery will take place on the 12th inst and the night of the 12/13th insts.
- DETAILS OF RELIEFS.** 2.- Group Commanders will arrange details of relief with Commanders of Groups relieved.
C.O.'s 14th, 25th and 13th F.A.Brigades will assume command of the right, centre and left Groups respectively at 0500 on the 13th inst. C.O. 15th F.A.Brigade will similarly relieve 12th F.A.Brigade at the latter's Head-Quarters.
- WAGON LINES.** 3.- Wagon Lines of 4th F.A. Brigades will not be taken over by relieving Units for the present.
Wagon Lines of 5th F.A. will be situated at their present billets until further orders.
- TRENCH MORTARS.** 4.- Incoming T.M.Batteries will hand over all T.M. Equipment to Batteries of 4th Division at SAILLY Railway Station (G 29 b 25) at 1000 tomorrow the 12th inst..
Battery Commanders of X 5 A will arrange to take over all Trench Mortar ammunition of the 4th Div Artillery by 1200 tomorrow the 12th inst, providing the necessary Guard on this ammunition in the trenches. Incoming Trench Mortar Btys, both Heavy and Medium will take over billets occupied by T.M. Batteries of the 4th Div Artillery, arrangements being made direct by Battery Commanders concerned with D.T.M.O. 4th Aust Division at SAILLY Railway Station (G 29 b 25)
O.C. H.T.M. Battery (Lieut Kelly) will take over all Plans, Communications etc from D.T.M.O. 4th Aust Division and will act as D.T.M.O. 5th Aust Division until the return of Captain Miles.
- AMMUNITION.** 5.- All Ammunition in Gun Pits will be taken over by incoming Groups, and accurate check being made and necessary receipts passed.
- MAPS, REGISTRATIONS etc.** 6.- All Defence Schemes, Maps (except 1:40,000, 1:100,000 and 1:250,000) all Registrations, Aeroplane Photographs, Panoramic Sketches etc will be taken over by Groups and Units moving into the line. Duplicate copies of the receipts rendered will be submitted to R.A.H.Q. 5th Aust Division.
- GUNS, EQUIPMENT etc.** 7.- Incoming Batteries will take over the Guns and Sights only of the Batteries in the line. All Stores, Spare Parts etc will be retained by the relieving Units.
Transfers as above will take place at the Wagon Line of their respective Batteries at 1000 tomorrow the 12th inst, details being arranged by Commanding Officers concerned.
Transfers of Stores on Guns in the line being completed by 0500 the 13th inst.
- DIVISIONAL AMMUNITION COLUMN.** 8.- C.O. 5th D.A.C. will take over all ammunition dumps, bombs Grenades etc from 4th D.A.C. and will move into the position at present occupied by the 4th D.A.C. tomorrow the 12th inst, necessary details being arranged by commanders concerned.
Accurate checks must be made of all ammunition taken over and the necessary receipts passed.
C.O. 5th D.A.C. will assume command of the D.A.C. at an hour to be arranged prior to 0500 on the 13th inst.

REPORTS.

9.- Divisional Artillery Head-Quarters is established at CROIX DU BAC - (G 6 c) until 1000 the 13th July when they will reopen at SAILLY (G 17 c)

sgd F. THORNTON. Major
BRIGADE MAJOR 5TH DIVISIONAL ARTILLERY.

ISSUED TO

COPY No

WAR DIARY

FILE

13th F.A.Bde

14th

15th

25th

5th D.A.C.

Copies to:-

H.Q. 5th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

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C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

C.R.A. 4th A.D.

APPENDIX

Copy No. 1

5th DIVISIONAL ARTILLERY ORDER No 5.

SECRET.

Head-Quarters, July 12th 1916.

REFERENCE MAP, SHEET 36, 1 : 40,000.

RELIEF.

- 1.- The relief of the 4th Divisional Artillery by the 5th Divisional Artillery will be continued tomorrow the 13th inst.

WAGON LINES.

- 2.- The Wagon Lines of the 4th Divisional Artillery will be taken over by the 5th Divisional Artillery tomorrow morning the 13th inst.
Wagon Lines of each Unit both 4th and 5th Divisional Arty will move from their present billets at 1000 the 13th inst to the respective billets of the Unit being relieved.
Necessary details will be arranged by Commanding Officers concerned.

TRENCH MORTARS

- 3.- T.M. Batteries will remain at their present billets for the night of the 13/14th inst.
All personnel of T.M. Batteries will take over billets of 4th D.A. Trench Mortar Batteries at 1000 on the 14th inst.
Necessary details of this relief will be arranged by the D.T.M.O. and Battery Commanders 5th Aust Division with the D.T.M.O. and Battery Commanders of the 4th Aust Div.
Group Commanders will arrange to have T.M. Personnel (Vide R.O. 102 para 362, 367) handed over to D.T.M.O. 5th Aust Division at the billet G 31 d 310 at 0900 on the 14th inst.

BILLETS CLEANLINESS OF.

- 4.- Each Unit will detail one (1) Officer to remain at the billet to hand over to the incoming Unit.
Certificates must be demanded from the Officer commanding the incoming Unit that the billets have been left in a thoroughly clean and satisfactory condition.
These certificates are to be forwarded to R.A.H.Q. by 1600 on the 13th inst.

sgd F.THORNTHWAITE. Major

BRIGADE MAJOR 5th DIVISIONAL ARTILLERY.

Issued to :-

Copy No.

WAR DIARY	1
FILE	2
13th F.A.BDE	3
14th	4
15th	5
25th	6
5th DA C.	7

Copies to :-

H.Q. 5th Aust Div 8
C.R.A. 4th Aust Div 9.

APPENDIX

S E C R E T.

REFERENCE MAP, SHEET 36, 1 : 40,000

G r o u p

Battery
relieving

Battery
relieved.

Wagon Line.

RIGHT.

53rd Bty
54th "
55th "
58th "
114th "

37th Bty
39th "
38th "
46th "
110th "

G 30 a 3. $\frac{1}{2}$
G 29 c 1. $5\frac{1}{2}$
G 28 b $\frac{1}{2}$. $6\frac{1}{2}$
G 23 a 7. 4
G 21 d 7. 1

ENTRE

52nd Bty.
56th "
60th "
59th $\frac{1}{2}$
115th "

41st Bty
42nd "
43rd "
45th "
111th "

G 24 d $5\frac{1}{2}$. $4\frac{1}{2}$
H 19 a 7. 8
H 13 d 4. $1\frac{1}{2}$
H 14 a 1. 3
G 24 d 2. 2

LEFT.

49th Bty
50th "
51st "
57th "
115th "

40th Bty
44th "
43th "
47th "
112th "

B 25 c 3. 5
H 3 d 3. 4
A 28 a $3\frac{1}{2}$. $7\frac{1}{2}$
G 4 a (Petit Mortier)
H 5 a 5. 8

INTELLIGENCE SUMMARY No.
 FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From *6am 13/7/46* to *6am 14/7/46*

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHELLED	BATTERY REPORTED BY.
------	--------------------	---------	---------------	----------------	------------------	-------------------------

N I L.

C O B. ACTION.

TIME	BATTERY	LOCALITY	SHELLED	NO OF RDS	REMARKS
1428	49th	0 8 c 7.6 $\frac{1}{2}$ to		7	Working Party
1632	49th	0 14 a 1.5		7	" "
2100		N 17 a 0.3 $\frac{1}{2}$ to N 16 a 8.5		64	In accordance
2315		0 1 a 3.5 " 32 c 4.7			
0000	All Btys				
0010		1 32 a 5.1 $\frac{1}{2}$ to 26 d4 $\frac{1}{2}$.5			with 4th D .A
0203					
0227	18pr				Order No 9
0406					

INTELLIGENCE.

1425	49th	Working Party	0 8 c 7.6 $\frac{1}{2}$	Party surprised
1632	49th	" "	0 14 a 1.5	"

sgd F. THORNTWHAITE Major
 B.M. R.A. 5th Aust Division.

APPENDIX

Copy No. 2

5th. DIVISIONAL ARTILLERY ORDER No. 6.
-----SECRET.

Head-Quarters, 14th. July 1916

REFERENCE MAP, SHEET 36, 1:40,000.

1.- The 5th. Australian Division, the Artillery of the 4th. Australian and the 2nd. Anzac Heavy Artillery have been placed under the orders of the G.O.C. XI Corps for special operations from this date. The 4th. Australian Divisional Artillery will be attached for the operations to the 5th. Division the C.R.A. 5th. Aust. Div will command both Divisional Artilleries for the operation.

2.- The Artillery Groups in the 5th. Division will be prepared to occupy a contracted area.

3.- The three Groups will be composed as follows :-

Right Group.
Commander.

Lt-Col O.F. PHILLIPS.

Present Right Group
Reinforced by:-

37th. Battery)	
38th. Battery	)	4th.
39th. Battery	)	Division
46th. Battery	)	Artillery.
110th. Battery)	

Centre Group.
Commander.

Lt-Col H.O. CADDY.

Present Left Group.
Reinforced by :-

40th. Battery)	
44th. Battery	)	4th.
47th. Battery	)	Division
48th. Battery	)	Artillery.
112th. Battery)	

Left Group.
Commander.

Lt-Col H. COX TAYLOR

Present Centre Group
Reinforced by :-

41st. Battery)	
42nd. Battery	)	4th.
43rd. Battery	)	Division
45th. Battery	)	Artillery.
111th. Battery)	

4.- Zones allotted to Groups will be as under :-

Right Group	-	36 N 8 d 5.2	to	36 N 9 d 0.1
Centre Group	-	36 N 9 d 0.1	to	36 N 10 c 35.35
Left Group	-	36 N 10 c 35.35	to	36 N 10 d 15.75

less one (1) How
Bty and one (1)
18-pdr Battery
Left Group
1 - 18-pdr Bty - 36 N 10 d 15.75 to 36 N 10 b 70.35
1 - How Bty - 36 N 10 b 70.35

5.- Group Commanders will complete their reconnaissance of the new area. This reconnaissance will include suitable positions for six (6) batteries per group as wire-cutting Batteries in their respective zones. Actual positions selected will be furnished to D.A.H.Q. by 1200 the 15th. inst.

6.- During the night of 14/15th inst Group Commanders will move as many Batteries as possible into the positions selected. The occupation of the remainder of the positions to be completed by 0300, 16th. inst. All batteries will be dug in on their new positions. Ammunition recesses should also be dug and accommodation for 800 round at each gun prepared.

7. Artillery will billet generally on the road RUE DE QUESNOY, RUE RATAILLE, RUE BLANCHE, and RUE QUESNEO.

Sgd/ F. THORNTHWAITE, Major.

B.M.R.A. 5th. Aust. Division.

APPENDIX

Copy No.....

5th. AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 7.S E C R E T.

Head-Quarters, 14th. July 16.

REFERENCE MAP, SHEET 36, 1 : 40,000.

- 1.- Group Commanders will arrange for Batteries that they already have in position to commence registration in the zones at intervals during the day - 15th. inst.

Wire cutting Batteries are to be employed on the enemy wire in front of his trenches in the zone allotted to them during the day 15th. inst.

Allotment of ammunition - 50 rounds per Gun.

sgd F. THORNTHWAITE, Major.

BRIGADE MAJOR, 5th. DIVISIONAL ARTILLERY.

ISSUED TO	COPY No.
-----------	----------

War Diary	1
File	2
C.O. Right Group	3
Centre	4
Left	5

Copies to :-

C.O. 15th. F.A. B.	6
Head-Qrs, 5th.A.D.	7

APPENDIX

INTELLIGENCE SUMMARY No. 2
 FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 6am 14.7.16 to 6am 15/7/16.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHELLED	BATTERY REPORTED BY.
1040					N 10 c 9 5	D 7
1150		4.7"	60	-	Behind N 9 3	53rd. Bty
1245		4.7"	17	-	N 10 c 6 4	54th. Bty
1840						
to						
1945		5.9"	76	-	H 28 b	52nd. Bty
1953		5.9"	30	-	H 28 a	52nd. Bty

OUR ACTION.

TIME	BATTERY	LOCALITY	SHELLED	NO OF RDS	REMARKS
1100	54th.	N 10 c 9 5		25	Retaliation
1131	54th.	N 10 c 9 5		12	"
1150	114th.	N 23 a 0 0 7 55		16	Wk Party
1600	49th.	O 15 a 6 15 65		4	Small Party
1750	49th.	O 8 c 0 6 2 5		6	do.
1755	113th.	O 11 c 27		30	Enemy Battery
1755	51st.	I 27 b 6 0		10	Distillery

INTELLIGENCE.

1130 Enemy busy at Earthworks in 23 a 00 75 front of FROMEELLES CHURCH RUIN.
 1625 Hostile aeroplane seen travelling E to W
 1800 Hostile aeroplane seen travelling N to S

Sgd. F. THORNTHWAITE, Major.
 B.M.R.A. 5th. Aus Div

APPENDIX

Copy No.....

5th AUSTRALIAN DIVISIONAL ARTILLERY ORDER No 8.

SECRET.

Head;Quarters, July 15th 1916.

TRENCH MORTAR BATTERIES

1.- The following will be the arrangements for the Batteries in the forthcoming operations :-

- (i) The following Batteries will come under command of 5th Division on arrival.
- (ii) On arrival in the area these Batteries will concentrate at H 33 b-5 2.
- (iii) Objectives will be issued in separate Operation Order to each Battery and immediate reconnaissance of positions will be made.
- (iv) Nine (9) Officers and 135 Other Ranks the personnel of the Batteries 5th Aust Division (at present without equipment) will assemble at H 33 a 5 . 2 at 6 pm on the 15th inst. They will be distributed as reserve personnel to the Batteries mentioned in para (i) above and come under orders of respective Battery Commanders.
- (v) 300 Infantry (with percentage of Officers and N.C.O's) with two (2) days rations will assemble at H 33 a 5 . 2 at 6 pm on the 15th inst, they will be used as carrying parties for ammunition and materiel.
- (vi) 2000 rounds of 2" T.M. ammunition will be dumped at N 3 D 1 .9 during the night of 15/16th.
- (vii) Captain Miles will be in charge of services from the rendezvous at H 33 a 5 . 2 and from ammunition "dump" forward to the line.
- (viii) The ammunition carrying parties will be detailed for definite parties and each party provided with guides by the Batteries for which the ammunition is intended.
- (ix) The O.C. Left Group 5th Aust Div Artillery will draw 250 rations for 2 days by 6 pm on the 15th inst. These rations are for actual reserve personnel of the T.M. Batteries, vide para 4 above.-

sgd F.THORNTHWAITE. MAJOR

BRIGADE MAJOR 5th DIVISIONAL ARTILLERY

ISSUED TO	COPY No
WAR DIARY	1
FILE	2
D.T.M.O.	3 to 7
C.O. R Group	8
CoO C Group	9
C.O. L Group	10
CAPT MILES	11

Copy to :-

H.Q. 5th A.D. 12

5th. AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 9.

SECRET.

Head-Quarters, 15th. July 1916.

- 1.- The attached table shows tasks for Groups.
- 2.- Group Commanders should allot tasks to Batteries.
- 3.- Necessary registration to be carried out to-morrow, and wire cutting continued.
- 4.- Wire cutting Batteries should be confined to wire cutting and Registration of wire and Front Line.
- 5.- Group Commanders should arrange that Batteries which are in position close to one another do not carry out Wire cutting or Registration at the same time.
- 6.- At places, such as in 10 c Central where our own and enemy's trenches are close together, the Battery commanders must arrange with Battalion commanders in turn to have our trenches cleared while the wire cutting is in progress.

ALLOTMENT OF TASKS.

GROUPS - 4th and 5th DIVISIONAL ARTILLERY

RIGHT GROUP

- (a) FRONT LINE N 8 d 25 20 - N 9 c 8 1
- (b) WIRE (1) N 8 d 8 2 - N 9 c 8 1
(2) N 8 d 25 20 - N 8 d 8 2
- (c) SUPPORT LINE SYSTEM including communication trenches from front line to support line for 150 yards in depth.
- (d) COMMUNICATION TRENCHES
N 14 b 60 25 - N 15 a 25 90
N 15 c 69 - N 15 a 60 85
N 15 c 89 - FME DELAPORTE

CENTRE GROUP

- (a) FRONT LINE 9 c 8 1 - N 10 c 35 35
- (d) WIRE do do
- (c) SUPPORT LINE SYSTEM including communication trenches from front line to communication trenches from front line to support line, for 150 yards in depth.
- (d) COMMUNICATION TRENCHES
15 d 95 85 - 15 b 4 8
16 a 95 - 10 c 50 25

LEFT GROUP

- (a) FRONT LINE N 10 c 35 35 - N 11 a 00 45
- (b) WIRE (1) N 10 c 35 35 - N 10 c 95 60
(2) N 10 c 95 60 - N 11 a 00 45
- (c) SUPPORT SYSTEM including communication trenches from line to support line for 150 yards in depth.
- (d) ONE Howitzer on Trench Junction at 17 a 0 4.
- (e) COMMUNICATION TRENCHES
17 a 0 4 - 10 c 85 35
17 a 0 4 - 10 d 2 5
11 c 4 9 - TABPOLE.

sgd F. THORNTHWAITE. MAJOR
Brigade Major 5th Div Artillery

ISSUED TO	Copy No
WAR DIARY	1
FILE	2
C.O. Right Group	3
C.O. CENTRE GROUP	4
C.O. LEFT GROUP	5
C.O. 15th F.A.B.	6

COPY TO:-

C.R.A. 4th AUST DIV 7
Head-Qrs 5th Aust Div. 8

D.T.M.O.

APPENDIX

INTELLIGENCE SUMMARY.

No. 3.

5th. AUSTRALIAN DIVISIONAL ARTILLERY.

6 a.m. 14th to 6 a.m. 16/7/1916.

ENEMY'S ARTILLERY.

T I M E	HOSTILE BATTERY	NATURE OF GUN	No OF ROUNDS	HOW LOCATED.	LOCALITY SHELLS.	BATTERY REPORTED BY
1000	-	4.2"	3	-	Trench N 9 d) Right Group
1125	-	4.2"	30	-	"	
1329	-	-	2	-	- N 9 30	
0630 to 0745	-	5.9"	22	-	N 9 a 6 0 to N 9 a 1 1	
1300	-	-	26	-	N 8 c 3 6	
2102 to 2400	-	-	20	-	N 18 a 9 65) 56th. Bty
	-	-	25	-		

OUR ARTILLERY.

T I M E	BATTERY	LOCALITY SHELLS	NO OF ROUNDS	R E M A R K S.
1130 to 1300	114th.	N 15 a 9 - 6	15	Registration
1400	55th.	N 8 c 0 15 to N 9 c 25 15	62	
1430	53rd.	N 9 d 0 1 and	29	
1430 to 1510	54th.	Enemy Wire	150	
2024 to 2055	54th.	" "	53	
2344 to 2355	55th.	N 8 d 25 20 to N 9 a 8 1	203	
2212 to 2400	55th.	N 8 d 25 20 to N 9 a 8 1	69	
	53rd.	N 15 a 4 6 to N 9 c 10 1	161	

Intelligence	Nature of Intelligence	A r e a	R e m a r k s.
0630	Enemy firing on our trenches	N 9 a 5 0 to N 9 a 1 1	Firing ceased when our aeroplane passed over Enemy's trenches
1300	Enemy Battery again active on	N 9 a 6 0 to N 9 a 1 1	

sgd F.THORNTHWAITE, Major,
Brigade Major, 5th. Divisional Artillery.

APPENDIX

ES.

SECRET

5th AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 10.

Headquarters,
16.7.16.

1. With object of preventing enemy withdrawing troops from our front, offensive operations are to be carried out.
2. 61st Division and 5th Australian Division will capture and hold the German front line and support trenches on the front opposite our trenches from M.24.b.8.8. to N.10.c.8.7.
3. 5th Australian Division will assault and capture German front line and support line from where River LAIES cuts the German front line (N.8.d.95.10) to N.10.c.9.6. and will hold and consolidate the support line N.14.b.8.9. - N.14.b.95.95 - N.15.a.00.85 - N.15.a.75.80 - N.15.b.15.90 - N.15.b.5.9. - N.10.c.15.00 - N.10.c.80.35.
4. Artillery employed will be:-
4th Australian Divisional Artillery
5th Australian Divisional Artillery
Three batteries 31st Division,
Five 2" Trench Mortar Batteries.
A force of heavy Artillery is also supporting the attack.
5. Programme of times is given in Appendix "A". ZERO time will be notified.
6. Infantry of Division will be assembled in depth on the following fronts.
15th Brigade N.8.d.05.80 to N.9.c.70.75
14th Brigade N.9.c.70.75 to N.10.c.05.60.
8th Brigade N.10.c.05.60 to N.10.a.95.10.
Brigades will move out from their fronts and assault the enemy's trenches as under:-
15th Brigade N.8.d.95.15 - N.9.c.7.1
14th Brigade N.9.c.7.1 - N.10.c.10.25
8th Brigade N.10.c.10.25 - N.10.c.90.55.
7. Divisional Artillery will engage tasks in accordance with instructions already issued.
Trench Mortars will bombard wire and front line trenches from 4.0 - 7.0 (vide appendix "A") ceasing fire during the 'lifts'.
8. Reports to Divisional Artillery Headquarters, SAILLY.

Major,
B.M.R.A. 5th Australian Division.

Issued at	to:-	Copies
	5th Divisional Headquarters	1
	Right	12
	Centre	12
	Left	12
	O.C. Trench Mortars	6
	War Diary	1.

APPENDIX

APPENDIX "A"

0.00 - 0.30	Registration by Divisional Artillery and Trench Mortars.
0.30 - 2.00	Registration by Heavy Artillery.
2.00 - 4.00	Wire cutting by 18-pdrs.
4.00 - 6.55	Wire cutting by 18-pdrs and Trench Mortars.
4 - 7	Bombardment by 18-pdrs, 4.5" Howitzers and Trench Mortars.
6.55 - 7	Bombardment by wire cutting batteries and Trench Mortars.
5.00 - 7.00	Heavy Artillery Bombardment.
7.00	BARRAGE.

'LIFTS'

During the bombardment there will be 'Lifts' to Barrage lines for the following periods:-

4.25	-	4.29
5.04	-	5.09
5.29	-	5.36
6.21	-	6.31.

During these 'lifts', Trench Mortars will cease fire.

APPENDIX

INSTRUCTIONS FOR BOMBARDMENT OPERATIONS 17/7/16.

1. During the bombardment there will be 'lifts' to Barrage Lines for the following periods:-

From 4.25	to 4.29
5.04	to 5.09
5.29	to 5.36
6.21	to 6.31

During these 'lifts', all guns go on to Barrage Lines. Fire of all Batteries will return to Bombardment Tasks at end of each 'lift'. When the bombardment recommences after a 'lift', Shrapnel will be used on both front and support trenches for the two succeeding minutes at an increased rate of fire:

2. 18-pdrs will use H.E. for bombardment but about 30% shrapnel burst as low as possible and immediately short of the support line will be used with a view to destroying the wire. This specially refers to Batteries detailed to bombard support trenches.

3. The normal rate of fire will not exceed:-
 1 rd. per gun per minute for 18-pdrs
 1 rd. per gun per 2 minutes for 4.5" Howitzers.

4. Battery Commanders will arrange to put one gun per Battery out of action at intervals in order to sponge out guns and rest detachments.

5. Food and drink should be arranged for for the men.

6. Ammunition must be graded into Nature and dots,
 i.e. all N.C.T.
 all Cordite.

This is most necessary in the case of wire cutting. Fuzes also to be sorted as far as possible.

7. Wire cutting batteries will pay special attention to platforms, scotching up wheels, supporting trails etc.

16.7.16.


 Major,
 B.M.R.A. 5th Divl. Artillery.

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APPENDIX

INSTRUCTIONS FOR BARRAGE.

7.0 to 8.0	Battery Fire 15 seconds.
8.0 to 9.0	Battery Fire 20 seconds.
9.0 to 11.0	Battery Fire 30 seconds.
11.0 onwards	Battery Fire 30 seconds slowing down in accordance with information received.

Should the situation demand an increased rate of fire, Group Commanders will order it, resuming the rate laid down above when circumstances allow.



Major,
Brigade Major Royal Artillery,
5th Australian Division.

16-7-16.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No. 11.S E C R E T.

Head-Quarters, 16th. July 1916.

TRENCH MORTAR BATTERIES.

- 1.- A copy of 5th. Australian Artillery Divisional Order No 10 is attached.
- 2.- ZERO time is fixed for 4 a.m.
- 3.- The Trench Mortar Batteries objective will be as follows :-

Y 6 - N 10 d 1.7	-	N 10 a 5½.6
Z 6 - N 10 a 9½.6	-	N 10 c 8.5
X 56 - N 10 c 8.5	-	N 10 a 6.4½
X 1st.Can Div N 9 c 8½.2	-	N 9 c 10.2
X 3rd.Can Div N 9 d 4½.3	-	N 9 d 6.2½
- 4.- After 7-00 during BARRAGE so far as arcs of fire permit Y 6 Bty will fire at a steady rate on N 10 d 3.8 and vicinity.
- 5.- A total of 100 rounds per Mortar will be stored at each emplacement
- 6.- 60 rounds per Mortar will be fired in Wire cutting operations, the balance being kept in reserve.
- 7.- Where No 107 instantaneous fuzes are not available fire will be directed on the parapet behind the objective.

Sgd/ F.THORNTHWAITE, Major.

B.M.R.A. 5th. Australian Division.

ISSUED TO :- COPY No.

War Diary	1
D.T.M.O.	2
O.C. Y.6 T.M.Bty	3
Z.6	4
X50	5
X 1st. Can Div	6
X 3rd.	7
FILE	8

From 6 am 16/7/16 to 6 am 17th. July 1916

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHIELLED	BATTERY REPORTED BY.
1040	-	5.9"	16	-	N 10 d 10 10	53rd.
0900						
to						
1000		5.9"				
1213						
to						
1255			40	-	N 8 a 4 6	54th.
1010			60		Behind trench N 9 3	58th.
1635		5.9"	40	-	N 8 a 4 6	54th.
1700		77 mm	50		School O.P.	54th.
1700		77 mm	100		N 8 a O.P.	53rd.
1800		4.2"	120		N 8 a and b O.P.	38th.

TIME	BATTERY	LOCALITY	SHELLED	NO OF RBS	REMARKS
=====					
All Batteries engaged in complying with Operation Order No. 10. Wire Cutting Batteries cutting wire on their allotted Zones as under :- Other batteries registered on front trenches, communications trenches, and support system allotted them.					
	39th.)	N 9 c 6 1		300)	No report
	46th.)	N 9 c 9 2		249)	yet received
	A/171	N 9 c 25 10		300	Reported damaged
		N 9 c 6 1			N 9 c 25 10
					N 9 c 35 10
					N 9 c 5 1
					Reported cut at N 9 c 6 1
					Reported lane 15 yds cut at N 8 @ 90 15
					Reported damage
	58th.	N 8 d 85 15		336	N 8 d 85 15 - 90 15
		N 9 c 25 10			N 9 c 0 1 - 15 10 25 10
	55th.	N 8 d 85 15 - N 9 c 25 10		200	No report to hand
	42nd.	N 10 c 35 35- N 10 c 5 4		154	do.
	43rd.	N 10 c 10 60- N 10 c 5 4		155	do.
	Centre Group	N 9 d 0 1 - 45 10 to N 10			do.
		c 35 35		900	do.
=====					

2000 Enemy's artillery active during the day damaging and destroying several artillery observing posts.
Enemy's aeroplane reported at 2000 - 2115

Sgd/ F. THORNTHWAITE, Major.

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APPENDIX

33

A.T.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

SECRET

Head-Quarters, July 17th 1916.

To,

C.O..GROUPS...

Advantage should be taken of postponement to complete the following :-

COMMUNICATION
COVER AND PLATFORMS FOR GUNS.
REGISTRATION.
SORTING AMMUNITION.

It is essential that the Germans should be given no intimation of the increase of the number of Batteries in the new Divisional area which normally may be taken as 7 Batteries.

Group Commanders must therefore arrange that not more than one wire cutting Battery and one other Battery is firing at the same time in each Group. Times should be allotted to each Battery in which to complete its registration. As few rounds as possible should be employed at this. Range and direction should be the aim and not effect. Wire cutting Batteries may be allotted 100 rounds each for registration and effect. The total for wire cutting (100 rounds per Battery) must not be exceeded, but Group Commanders may increase the allowance for weaker Batteries and decrease others in proportion.

In the event of the Germans shelling our trenches, not more than two Batteries from each Group will retaliate (on registered zones). In retaliation we must have the last word. Should the Germans start bombarding our trenches a barrage will be placed on the German trenches opposite and a slow rate of fire maintained, and the trenches carefully watched.

It is essential that Group Commanders keep in close touch with the Infantry Brigadiers of areas and Battalion Comdrs in front System.


Major.
Brigade Major R.A. 5th A.D.

57
APPENDIX

8 34
Copy No

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No 12.

SECRET.

Head-Quarters, July 17th 1916.

- 1.- Enemy to day bombarded our front line about N 8 b 7 . 0 mm
- 2.- Retaliation will be carried out on the 18th July 1916
by RIGHT GROUP.
- 3.- Objective - Enemy's Front line and Support System from
N 8 d 60 ~~25~~ to N-8 d 9 . 2 together with Communication Trenches.
- 4.- Guns available :-
 - 1 - Battery 18pr
 - 1 - Battery 4.5" Howitzer.Batteries to be selected by Right Group Commander.
- 5.- The programme of tasks are appendices "A" and "B" attached.
- 6.- Necessary registrations will be carried out prior to 08 30.
Allowance of Ammunition :-

18pr	-	20 rounds
4.5" Howitzer	-	20 rounds.

sgd F.THORNTHWAIRE Major

B.M. R.A. 5th Aust Division.

ISSUED at 2315 to :- Copy No.

C.O. Right Group	1 - 3
C.O. Centre "	- 4
C.O. Left "	5
H.Q. 5th A.D.	6
File	7
War Diary	8.

APPENDIX

APPENDIX "A".

PROGRAMME 18pr.

TIME	OBJECTIVE	RATE OF FIRE	NO OF RDS	NATURE OF AMMUNITION.
0900 to 0913	FRONT TRENCH AS IN PARA 3.	Bty Fire 30 secs	26	50% Shrapnel 50% H.E.
0913 to 0918	N 8 d 55. 00 to N 8 d 8 . 0	" "	10	" "
0918 to 0923	S T O P			
0923	FRONT TRENCH AS IN PARA 3	ONE SALVO	4	H.E.
0923 to 0930	2 GUNS FRONT TRENCH AS FOR PARA 3		14	50% Shrapnel 50% H.E.
"	2 GUNS N 8 d 55 . 00 to N 8 d 8 . 0	X F 30 Secs.	14	" "

APPENDIX "B".

PROGRAMME 4.5" HOW

0900 to 0913	FRONT TRENCH AS IN PARA 3.	Bty Fire 40 Secs.	20	
0913 to 0918	1 GUN N 8 d 65 . 05	----	2	
	1 GUN N 8 d 75 . $\frac{3}{4}$	----	2	
	1 GUN N 14 b 90 . 85	----	2	
	1 GUN N 15 a 0 . 9	----	2	
0918 to 0923	S T O P			
0923 to 0930	AS FOR 0913 - 0918	Bty Fire 60 Secs	7	

APPENDIX

INTELLIGENCE SUMMARY No. 5
FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 17 to 18

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHELLED	BATTERY REPORTED BY.
0715-1000	-	77 mm	10	-	H 33 c 38	49th. Bty
1000-1300	-	5.9"	50)	-	1st and 2nd Line Trench	
1200	-	77 mm	40)	-	N 17 c & a	
1300	-	4.2"	20	-	N 8 a 5 5)	54th. Bty
			-	-	N 9 a 8 7)	
1310	-	77 mm	12	-	-	115th. Bty
1630	-	4.2"	-	-	N 9 d 5 8	24th. Bty
1630	-	77 mm	20	-	N 9 c 6 1	C/171 Bty
1715	-	4.2"	15	-	N 9 c 6 1	49th. Bty

O. U. B. ACTION.

TIME	BATTERY	LOCALITY	SHELLED	NO OF RDS	REMARKS
0630-0830	40th	N 9 d 30 05	- N 9 d 0 2	50 & 40	Regis & W. cutting
1030	41st	N 10 c 75 60		140	Wire cutting
1030	42nd.	N 10 c 10 60		140	Wire cutting
1100-1205	40th.	N 9 d 9 2		29	Wire cutting
1130	45th.	N 10 c 7 9 to 7 6		379	Wire cutting
1430	113th.	N 9 c 8 1		56	Reported Machine Gun emplacements
1730	53rd	N 8 d 6 2		16	Retaliation
1800	58th.	Allotted Zone D.A.O.		100	Wire cutting
1130-1430	39th.	"	"	97	" "
1600	60th.	"	"	327	" "
1925	58th.	"	"	77	" "
2310-0025	58th.	Enemy's Front Line		60	Reply to Gas Alarm
2345-0047	114th.	"	"	4	" " " "
2400	55th.	"	"	65	" " " "
0200-0220)	4 Btys of	Night Lines		80	Diversion against
0315-0340)	Centre Grp				bombardment by 61st Div Arty
2400-2430	4 Btys of	"	"	80	" "
0300-0315	Left Group				
2330-2400	4 Btys of				
0230-0300	Right Group	"	"	80	" "

INTELLIGENCE.

In addition Batteries registered targets in the Zones allotted them in accordance with D.A.O. No 9.

Observation difficult during the day. Misty and light bad.

Hostile aeroplane observed flying over our trenches 1500 & 1700 & 1800. Communications to F.O.O. and O.P.'s were frequently cut during the day.

Sgd/ F. THORNTWHAITE, Major.

APPENDIX

Copy No 37

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER 13.

SECRET.

Head-Quarters, July 18th 1916.

- 1.- The operations detailed in 5th A.D.A. Order No 9 will take place on the 19th July 1916.
- 2.- The programme is given in list of Tasks (T 51/7) which have been issued to Group Commanders.
These Tasks cancel programmes previously issued.
- 3.- Reference the revised programmes of objectives etc during the bombardment, the " Lifts " as laid down originally will still hold good, that is :-

From 4 25	to 4 29
5 04	" 5 09
5 29	" 5 36
6 21	" 6 31

during the " Lifts " all guns will go on to barrage lines.

- 4.- Zero time will be notified later. It will not be earlier than 11 00.
- 5.- Special instructions have been issued to the Staff Officer Medium Trench Mortars.
- 6.- Registration and wire cutting will be carried ~~out~~ on, in addition to the hours laid down, between the hours of 0900 and 1100 irrespective of Zero time.
Rate of Fire for Wire Cutting Batteries will not exceed one (1) round per gun per four (4) minutes (Bty Fire 1 minute)

sgd F.THORNTHWAITE. Major.

B.M.R.A. 5th Divisional Artillery.

ISSUED TO	Copy No
C.O. Right Group	1
Left "	2
Centre "	3

COPIES TO :-

File	4
War Diary	5
C.O. 15th F.A.B.	6
H.Q. 5th A.D.	7
C.R.A. 4th D.A.	8.

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APPENDIX

5th DIVISIONAL ARTILLERY

SECRET

Head-Quarters, July 18th 1916.

BRIGHT GROUP

ZONE :- N 8 d 7 . 2 to N 9 c 8 . 1

0 . 0 30

Registration as required.

2 - 40

Wire cutting by Batteries as at present allotted.

4.- 6 55

4 - 18pr Batteries Wire cutting.

4.- 7 0

5 - 18pr Batteries front line and support system.
1 - 4.5" Howitzer Battery (enfilade) from front and support line (from line until 6 55 only - 6 55 to 7.0 on support line)

2 Howitzer Guns on front line :-
N 9 c 3 . 1 to N 9 c 7 . 1

2 Howitzer Guns on support lines:-
N 15 a 15 95 to N 15 a 70 85.

At 6 55 the three(3) wire cutting Batteries lift on to front line.

At 7 .0 all Batteries lift on th Barrage line.

BARRAGE "A"

7 - 0

7 - 18pr Batteries Barrage on line N 14 b 5 . 6 to N 15 b 15 35.

1 - 18pr Battery search communication trench :-
N 14 b 9 . 5 to N 14 b 6 . 2.

1- 18pr Battery (A/171) on communication trench.
N 15 c 6 . 9 to N 15 a 55 50
N 15 c 8 9 . 9 to FME DELAPORTE.

1 - 4.5" Howitzer Battery from FME DELAPORTE to N 15 b 0 . 7.

1 - Section 4.5" How, communication trench :-
N 15 a 5 . 4 to N 15 c 6 . 9.

1 - Section 4.5" How communication trench :-
N 15 a 80 35 to N 15 c 8 . 9.

Major
B.MR.A. 5th Aust Division.

APPENDIX

5th DIVISIONAL ARTILLERY.

SECRET

Head-Quarters, July 18th 1916.

LEFT GROUP

ZONE :- N 10 c 1 . 3 to N 10 d 1 . 7

0 . 0 30	Registration as required.
2 4 0	3 - 18pr Batteries wire cutting as at present allotted.
4. 6 55	3 - 18 pr Batteries wire cutting on front N 10 c 35 35 to N 10 c 7 . 5.
4 . 7 0	6 - 18pr Batteries on front line and support system N 10 c 35 35 to N 10 d 1 . 7.

1 - 4.5" Howitzer Battery
On front line and support system as follows :-

- 1 Section on front line N 10 c 1 . 3 to N 10 c 6 . 5.
- 1 Section on support system N 10 c 2 . 1 to N 10 c 6 . 3.
- 1 Section on front line N 10 c 6 . 5 to N 10 d 1 . 7
- 1 Section support system N 10 c 6 . 3 to N 10 d 1 . 5.

At 6 55 the three wire cutting Batteries lift on to the front line and bombard until 7 . 0.

BARRAGE "A"

7 . 0	8 - 18pr Batteries Barrage line N 16 a 2.7 to N 10 d 3 . 3.
-------	---

- 1 Section 18pr on communication trench.
N 10 d 25 30 to N 10 d 2 . 0
- 1 Section 18pr on communication trench :-
N 10 c 95 30 to N 10 d 2.0
- 1 Howitzer Battery on FME DELANGRE.
- 1 Howitzer Battery, 2 Guns on communication trench
N 16 a 8 . 5 to N 16 a 7 . 9
- 2 Guns on communication trench
N 16 b 7 . 7 to FME DELANGRE.

Major

B.M. R.A. 5th Aust Division.

5th AUSTRALIAN DIVISIONAL ARTILLERY

S E C R E T.

Head-Quarters, July 18th 1916.

C E N T R E G R O U PZ O N E :- N 9 c 8 . 1 to N 10 c 1 . 3.

0 . 0 30

Registration as required.

2. 4 0

6- Batteries wire cutting (18pr Batteries as allotted by you)

4. 7 0

3 - 18pr Batteries wire cutting :
 3 18pr Batteries on front trench.
 3 18pr Batteries on support system.
 (the above as you have already allotted them)

1 Howitzer Battery (4.5")

1 Section on front line N 9 d 1 .0 to N 9 d 65 20.

1 Section on support system N 15 b 1 . 9 to N 15 b 65 90.

1 4.5" Howitzer Battery :-

1 Section on front line N 9 d 65 20 to N 10 c 1 . 3

1 Section on support system N 15 b 65 90 to N 10 c 20 05

At 6 55 the three wire cutting Batteries lift on to front line and bombard until 7. 0

At 7. 0 all Batteries lift on to Barrage line.

BARRAGE "A"

7. 0

8 - 18pr Batteries Barrage on line N 15 a 8 . 5 to N 16 a 45 75.

1 - 18pr Battery serach communication trench from N 15 d 95 85 to N 15 b 55 55.

1 4.5" Howitzer Battery :-

N 15 a 95 30 to N 15 b 2 . 5

1 Section 4.5" Howitzer:-

N 15 a 95 30 to N 15 b 2 . 5.

1 Section 4.5" Howitzer:-

N 15 d 95 85 to N 15 b 55 60.

1 Section 4.5" Howitzer :-

N 16 a 9 . 5 to N 16 a 7 . 8.

Major

B.M. R.A. 5th Aust Division.

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APPENDIX

5th. AUSTRALIAN DIVISIONAL ARTILLERY ORDER No.14.

S E C R E T.

Head-Quarters, 18th. July 1916

2" TRENCH MORTAR BATTERIES.

1. With reference to Operation Order of 16th. inst. Zero time is fixed for 11 a.m. 19th.
2. Trench Mortars will fire from 2.00 to 6.55 instead of 4.00 to 7.00 as previously notified.
3. With the exception of Y.6 Battery as many rounds as possible will be fired during allotted time - no reserve being kept for subsequent operation.
4. Y.6 Trench Mortar Battery will reserve 30 rounds per ~~max~~ mortar with D.A. (delay) or time fuze to fire on N 10 d 3. 8 and vicinity after 6.55
5. With exception of fire from Y.6 after 6.55, all rounds will be fired at wire with D.A. (instantaneous) fuzes. If these fuzes are not available D.A. (delay) or time fuzes will be used against parapet behind objectives.
6. Reserve personnel of respective batteries will remain in readiness at entrance to CELLAR AVENUE and PINNER AVENUE from Zero until ordered to withdraw.
7. O.C. Batteries will keep in trench with nearest infantry Battalion H.Q. in order to obtain early information of any change of zero time.

Sgd/ F.THORNTHWAITE, Major,

B.M.R.A. 5th. Australian Division.

APPENDIX

H.T.

INTELLIGENCE SUMMARY No. 6. FIFTH AUSTRALIAN DIV ARTILLERY.

From 6 am 18/7/1916 to 6 am 19/7/1916.

***** HOSTILE ARTILLERY. *****

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHELLED	REMARKS
0900	-	5.9"	17	-	N 14 a	114th
1125	-	4.2"	17	-	N o o	114th
1200	-	5.9"	50	-	N 8 a to	
1400	-	77 mm	15	-	N o c	53rd
1500	-	5.9"	20	-	O.P VINE COT'	23rd
1620	-	4.2"	6	-	N 12 c 25 65	115th
1800	-	4.2"	50	-	Trenches 55 36	115th
					Front trenches	50th

OUR ACTION.

TIME	BATTERY	LOCALITY SHELLED	NO OF RDS	REMARKS.
0820	57th	Area allotted.	38	Wire cutting.
1045	111th	FINE DELANGRE	5	Registration.
1200	42nd	N 10 c 35 35 to 5 . 4.	216	Wire cutting.
1300	58th	Area allotted.	123	Wire cutting.
1400	51st	N 10 c 1 . 1	103	Wire cutting.
1500	43rd	N 10 c 75 to 9.6	198	Wire cutting.
1530	53rd	N 8 d 42 20 to N 8 d 70 15.	340	Wire cutting. (Reported cut a lane 20 yards wide)
1600	45th	N 10 c 52 to 5.5	50	Wire cutting.
1638	58th	Area allotted.	179	Wire cutting.
1700	115th	N 17 d 36	5	Enemy's Battery reported balloon but observation impossible owing to break in communications.
1820	50th		250	Wire cutting.
0105	50th		6	Gas alarm.
0140	50th		31	Gas alarm/

INTELLIGENCE.

12 30 Red and green rockets sent up on right front of square N 55 d.

Major
B.M.R.A. 5th Australian Division.

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file **APPENDIX**

5th Aust Divisional Artillery



Head-Quarters, July 19th 1916.

secret
C.O.

All Groups.

RATE OF FIRE FOR 4.5" HOWITZERS.

BOMBARDMENT. (One (1) round per gun per four (4) Minutes)

i.e. Bty Fire 1 minute.

BARRAGE.

1st Hour - 1 round per gun per 4 minutes.

i.e. Bty fire 1 minute.

2nd Hour - 1 round per gun per 6 minutes.

i.e. Bty Fire $1\frac{1}{2}$ minutes

3rd Hour - 1 round per gun per 8 minutes.

i.e. Bty Fire 2 Minutes.

4th Hour and subsequent hours -

1 round per gun per 10 minutes

i.e. Bty fire $2\frac{1}{2}$ minutes.

Major

B.M.R.A. 5th Aust Division.

APPENDIX

ARTILLERY ACTION BY 5th AUSTRALIAN DIVISIONAL ARTILLERY AND ATTACHED ARTILLERY DURING THE 19th AND THREE(3) PREVIOUS DAYS.

The following is an account of the work done by the 5th Australian Divisional Artillery, 4th Australian Divisional Artillery and 171st Brigade R.F.A. including Medium Trench Mortars during the operations of the 19th and also the action of the Artillery leading up to this operation.

A Map is appended shewing the action of the Divisional Artillery on the 19th.

The whole of the Artillery was divided into three (3) Groups (Vide D.A.O. No 6) attached, and given similar Zones to those of the three(3) Infantry Brigades allotted to them.

Orders were issued as to their objectives, rates of fire and timing. For copy of these Orders see Appendix "A" attached.

Groups allotted individual tasks to batteries.

The closest touch was kept between Group and Infantry Brigade Commanders.

Five (5) Medium Trench Mortar Batteries (2 from the 6th Division, 1 from each of the 50th Division, 1st and 3rd Canadian Divisions) were attached to the Division for the operations and were placed under the charge of Major Sir T. KEANE R.F.A. who was lent to the Division as D.T.M.O. for the operations.

The 4th Divisional Artillery and 171st Brigade R.F.A. arrived on the 15th inst, and all Batteries of the Division commenced registration and wire cutting on the 16th inst, and continued until the day of the operations.

The Medium Trench Mortars were placed in position as they arrived, necessary emplacements being prepared for them in the trenches.

The general plan was Wire cutting along the whole front before the 19th and registration of the area prior to the 19th.

TIMES (Registration and wire cutting.

9am to 11am)

11am to 11 30am Registration by Divisional Artillery.

1pm to 6pm -Wire cutting by 18prs and T.M.Batteries

3pm to 6pm Bombardment by 18prs and 4.5" Hows.

The fire was equally distributed between front and support lines in order to cut wire both on front of line and support lines, and to destroy the enemy's parapet in front and support lines.

During the bombardment and wire cutting, "Lifts" to Barrage lines were made at,

3 25pm to 3 29pm

4 4pm to 4 9pm

4 29pm to 4 36pm

5 21pm to 5 31pm

at 6pm the whole of the Artillery lifted to Barrage lines.

Previous to the 19th the 110th Battery and the 52nd Battery were heavily shelled. The latter had to move its position.

On the 19th the 48th and 51st battery were heavily shelled. None of the latter were however damaged. Generally the enemy seemed to have few guns.

The communications during the day were good, though much has yet to be done in burying and protecting the wires.

Owing to the lack of materiel and the short time at our disposal prior to the attack being delivered this could not be done, and it was due mainly to the ineffective Artillery reply from the enemy that the communications were preserved intact.

The enemy wire does not appear to have been an obstacle to our infantry and from reports received seems to have been well cut.

The front parapet was also very heavily damaged.

Our first false Barrage apparently had no effect as the forward Officer in the trenches reported that the enemy did not appear to man his parapet during the "Lift".

APPENDIX

The action of the Trench Mortar Batteries was good and their tasks were carried out in a thoroughly capable and praiseworthy manner.

CASUALTIES:-

	4th D.A.	5th D.A.	Tot.
Total number of Officers killed :-	1	-	1
" " " " wounded	54	41	95
Total " " O.R. killed	1	10	11
" " " " wounded	14	14	28.

AMMUNITION EXPENDED

15th	16.	17.	18th	19th.	
A & A X	B X			A & A X	B X.
16501	1433			62092	4507

TRENCH MORTARS

..... Rounds.

CASUALTIES TO EQUIPMENT

18pr - One wheel blown off.

I append a statement showing messages received and action taken during the operations on the 19th.

SAILLY.
24/7/1916


Brig-Gen.

C.R.A. 5th Australian Division.

APPENDIX

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SUMMARY OF MESSAGES RECEIVED AND ACTION TAKEN.

19/20th July 1916.

From 9am to 11am Registration was carried out in each Group Sector, Wire Cutting Batteries continued wire cutting at a slow rate. Observation was difficult owing to a mist.

At 10 45 am hostile Batteries shelled the positions of 48th and 51st Battery, causing no damage to materiel but wounding several men.

At 1 pm Wire Cutting Batteries commenced in accordance with Programme and on target shewn in sketch attached. At 2 40 pm reports were received that their fire was effective and that much wire was being cut at this time a large explosion was observed in GERMAN trenches on the right and wire netting and wood work was observed flying through the air.

At 3 20pm enemy's shells were falling on our trenches at N 8 and 9. Flashes were visible at N 11 d 8.5; heavy Artillery were at once informed.

At 3 25pm the first lift was made. At 3 30pm F.O.O. reported that enemy did not appear to man his parapets during the lift.

At 4 pm hostile Battery opened heavy fire on FLEURBAIX.

At 4 15pm enemy Battery was reported shelling H 34 a from direction of RADINGHEM. This was passed to Heavy Artillery for action.

At 5 pm our Artillery fire was reported very effective and the wire on the left was practically cleared. Enemy were reported shelling heavily the Sap M 10 a 3.3. This was forwarded to the heavy Artillery.

At 5 5pm the wire was cut from N 8 d 9.1 to N 9 c 2.1 to N 9 c 6.1 and parapet badly damaged but wire was not cut between N 9 c 6.1 and N 9 c 7.1. This was reported to the Right Group who brought another Battery to bear on it. Enemy using 77 mm, 4.2", 5.9" and 8.2" on H 31 d 5.5 from direction of AUBERS. At 5 10 pm it was reported that the wire was cut from N 9 d 2 to the left but that tripping wires could be located at N 9 c 7.2. Information passed to the Right Group for necessary action. At 5 56 pm the enemy fire was very heavy on H 33 a 0.5 but no damage was reported. At 6 pm Artillery fire was lifted on to Barrage lines and reports was received that Infantry had started to advance. At 6 10 pm the Balloon observer reported Artillery active at H 24 d 3.5, N 23 d 6.6 and O 13 b 8.5 and enemy Artillery enfilading BROMPTON AVENUE with shrapnel. This was passed on to the Heavy Artillery. Aeroplane of 16 Squadron was forced to descend in field in H 19 a. At 6 25pm report was received that the first Line had gone forward practically and that the fire on the trenches was very slight. At 6 55 pm our Infantry was observed in front line and enemy Artillery were shelling N 9 c 9/1.

At 7 pm reports was received that the left and centre Brigade occupied the front and 2nd Line of the German Trenches. Left and Centre Barrage lifted 200 yards. At 7 10pm Infantry at N 9 d 5.3 and heavy rifle fire about LES CLOCHERS. At 7 17pm fire was seen blazing at N 9 c 6.1 and small parties were seen returning from the captured trenches, apparently with prisoners. At 7 21 pm about 100 Infantry were seen near N 16 a 10.95 with patrols in front. At request of Infantry Barrage was lifted on left. At 7 25pm message was received that the 8th Infantry Brigade on our left were being fired on from TADPOLE. The Group commander reported that he was shelling TADPOLE. Also passed to Heavy Artillery for fire to be brought to bear on this point. At 7 30pm 14th Infantry Brigade reported being heavily pressed and requested more fire. Centre Group increased its rate. At 7 37pm 150 Infantry were observed in the ruins of ROUGES BANCS. At 7 40pm 32nd Battalion reported being heavily pressed on our left - Left Group increased its rate. At 7 46pm hostile balloon from the right of FROM-ELLES. At 7 54pm the 32nd Battalion were reported holding the 3rd Line and being shelled by our own Artillery. Barrage raised another 100 yds by Left Group. At 8 10pm Infantry were being heavily pressed from DELAPORTE Fme and that Guns firing on LE MOURQUET Fme were shelling our own troops. This was passed to the 24th Brigade R.F.A. to alter their range. Report received that on the left and centre we occupied

APPENDIX

the trenches 150 yards beyond German front line and that attack on the right had failed. At 8.20 p.m. large volumes of smoke were observed from the direction of LES CLOCHERS. This made observation very difficult. At 8.25 p.m. red flares were being sent up from the direction of this village and Infantry reported being pressed in the centre. Rate of barrage fire increased. At 9.0 p.m. Infantry reported digging communication trench between our trench and captive German trench on the left. At 9.5 p.m. succession of red rockets were sent up from the rear of the German lines. At 9.15 p.m. smoke was still reported from the right of LES CLOCHERS. At 9.30 p.m. Infantry called for more fire on their left. Left Group increased its rate. At 9.31 p.m. red rockets were observed from vicinity of DELAPORTE FME. At 9.45 p.m. information was received that the Left and Centre Brigades held their objective, and that the two battalions of the Right Brigade had been held up in NO MAN'S LAND. Barrage slowed down to Battery fire 60 ^{seconds} minutes. At 10.35 p.m. heavy artillery were firing on infantry on our left joining up the captured and our old trenches. At 10.58 ~~xxx~~ heavy fire was being received from FME DELANGRE. Four 4.5" Howitzers of Centre Group were ordered to increase their fire on this point. At 11.12 p.m. Infantry reported that fire from FME DELANGRE was lessened. 4.5" Howitzers go back to normal rate. 8th. Brigade hold N 10 c 9.5 to N 10 c 5.3 but their right was not joined up with 14th. Brigade. The 14th. Brigade left Infantry withdrawing from Right Sector to their original lines. At 11.15 p.m. searchlight was being used by the Germans on SUGARLOAF. At 12.30 a.m. 15th. Infantry Brigade were reported clear of the enemy's trenches, the barrage on the right was changed to a line running N 14 b 75.75 - N 14 b 5.9 to N 8 d 45.15. At 2.35 a.m. information was received that enemy were threatening to attack our line at the new trench commanding the captured trench with the old firing line. Barrage of left group was put on the portion of NO MAN'S LAND N 10 d 1.7 to N 10 d 2.9, and range was shortened on the communication Trench N 10 d 4.0 to N 10 d 2.9. At 2.50 a.m. increased enemy activity was apparent in the vicinity of FME DELANGRE. Centre Group ordered to watch this point closely again with 4.5" Howitzers. At 3.15 p.m. orders were received to bombard area contained in N 8 d 45.00 - N 8 d 45.30 - N 8 d 8.3 - N 8 d 8.0. Right group was ordered to move 18-pdr battery on to this area and continue shelling at a deliberate fire. At 3.45 a.m. in order to protect the right flank of the 14th. Bde barrage of Right Group was placed on the front line and support system of the German trenches from a North and South line running between N 8 and N 9. Enfilade batteries were not used. At 4.0 a.m. enemy were reported to be heavily shelling the Left and Centre Sectors. At 4.20 a.m. information was received that enemy were preparing for a counter attack along the front H 15 a 2.6 to N 15 b 4.6 and were moving towards ROUGES BANCS. Groups were warned to be alert for an attack. At 4.30 a.m. 8th. Inf Bde withdrew from the enemy's trenches to their original line. At 5.0 a.m. groups were warned to cease barrage fire as soon as it was clear enough to observe. At 6 a.m. information was received that the 14th. Inf Bde were to withdraw to ~~xx~~ their original line. Barrage fire was arranged as follows to cover their withdrawal. Left Group to bombard 1st. Line parapets from N 10 c 35.35 to the left. Centre group keep barrage as they were. Right Group bombard ~~right~~ 1st. Line parapets from N 9 c 5.1 to the right. At 7.35 a.m. enemy reported shelling the trenches N 10 c 40.65 to N 10 a 90.05. At 9.45 a.m. the 14th. Inf Bde had withdrawn to their original line and barrage of fire of centre group was raised to the 1st. Line parapets of the Centre Sector. This fire was continued at a very slow and deliberate rate until 12, noon when it was stopped. At 9.50 a.m. enemy were reported massing in their trenches for a counter attack but nothing eventuated. All batteries were, however, kept on the alert. At 11.35 a.m. the Centre Group reported no unusual movement along the whole line.

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I N T E L L I G E N C E S U M M A R Y No. 7
FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 6 am 19/7/16 to 6 am 20/7/1916.

H O S T I L E A C T I O N.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHELLED	BATTERY REPORTED BY.
12 15	-	5.9"	-	-	Support lines and behind RUE DE BOIS	Left Group
13 30	-	5.9"	-	-	D.P.VINE COT'	" "
14 00	-	5.9"	-	-	H 34 a 2 3	
					(51st. Bty)	
14 00	-	5.9"	-	-	H 34 a 6 1	
16 05	From direction of RADINGHEIN	77 mm	12	-	H 34 a 2 3	
17 00	-	5.9"	-	-	Communication Trenches	R Group
17 25	-	77 mm	-	-	H 33 c 4 8	47th. Bty
17 40	-	5.9"	20	-	54th. Bty	
18 00	-	5.9"	-	-	H 28 1 1	57th. Bty
18 10	N 24 d 35	77 mm	?	Balloon	Front &	
	N 23 d 6 6	5.9"	?	Obser'n	Support	
	O 13 b 85	77 mm	?		Trenches	

O U R A C T I O N.

TIME	BATTERY	LOCALITY	SHELLED	NO OF RDS	REMARKS
0900 - 1100	Batteries of all groups registered. Wire cutting batteries commenced wire cutting.				
1100 - Onwards.	Batteries of all Groups proceeded in accordance with tasks laid down in D.A. Operation Order No 10.				

I N T E L L I G E N C E.

12 40	Three large explosions noticed in enemy's lines. Barbed wire, timber and wire netting thrown into the air.				
19 17	Fire observed blazing at N 9 c 6 1				
19 46	Hostile balloon observed on right of FROMELLES.				
21 30	Large sheet of flame observed within the German lines.				
21 31	Red rockets reported from FME ELAPORTE				
18 20	One of our aeroplanes fell into Field H 19 a 2 2 - Sgd. F.T. B.M.R.A				

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APPENDIX

MEMORANDUM - NIGHT LINES

ARTILLERY

SECRET.

Head-Quarters, 20/7/1916.

Night lines for the night 20/21st July 1916 and for subsequent nights, until further orders are received, will be as follows :-

- 1.- All Guns on Bombardment lines (Vide D.A.O. No 12 App "A") except wire cutting Batteries in the portion N 9 d 2 . 1 to the right, whose night lines will be placed as for Wire Cutting Tasks (vide above mentioned Order)

W. H. H. H. H. Major.
Brigade Major 5th Div Arty.

ISSUED TO :-

C.O. RIGHT GROUP
" LEFT "
" CENTRE "
FILE.

COPIES TO :-

WAR DIARY.
C.O. 15th F.A.Bde.

APPENDIX

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INTELLIGENCE SUMMARY No. 8. FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

From 6 am 20.7.1916 to 6 am 21/7/1916.

HOSTILE ARTILLERY.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	LOCATION.	LOCALITY SHELLED	REMARKS
10 30	-	4.2"	12	-	N 8.4	58th Bty
11 00	-	4.2"	90	-	N 9 d 6.8	Left Group
11 30	-	77 mm	20	-	H 3 4 6 2 1	Centre "
14 20	From direction of RADINGHAM		4.2"	-	N 9 c 7075	" "
17 00	-	4.2"	93	-	N 14 a action on communication trenches	58th 60th
18 00	-	77 mm	60	-	N a 3	
18 20	-	77 mm	?	-	N 9 1, N 9 2 N 9 3 (intermittently)	
19 00	-	8"	3	-	H 27 a 1.8	Centre Group.

OUR ACTION.

TIME	BATTERY	LOCALITY SHELLED	NO OF RDS	REMARKS.
1000	Batteries on Barrage lines and tasks in connection with operations			
1000 to 1200	Intermittent ^{early} on enemy's front trenches.			
10 30	112th	Battery reported at N 22 a 78 - 20		
11 00		Enemy's Front trenches - 92		Retaliation.
11 25	55th	Sugar Loaf	26	"
400	58th	N 8 d 7.2	24	"

INTELLIGENCE

1200 to 1600	Enemy were reported at various times massing in his trenches. Apparently working parties.	
15 20	Hostile Aeroplane observed. During the afternoon, 8 hostile balloons were observed. One balloon descended quickly, apparently shot.	
2000	Enemy reported massing in trenches, all batteries stand by.	
2100	Body of hostile troops were observed moving in zone between BIRNIERE FARM and LE MARSHNIL, apparently relief.	

Major

B.M.R.A. 5th Aust Division.

APPENDIX

Copy No/.....

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER 15.

SECRET

Head-Quarters, July 21st 1916.

- 1.- The following moves and reliefs will take place to night 21/22nd inst. ---
- 2.- 13th F.A. Brigade will relieve the 24th Brigade R.F.A. with three (3) Batteries of the centre group. Necessary arrangements being made between Officers concerned.
Relief to be completed by 22 00 this date.
- 3.- 24th Brigade R.F.A. will move in relief to POPERINGHE so as to arrive there on the 22nd inst. One (1) Officer will be sent on in advance to H.Q. 6th Division, $\frac{1}{2}$ mile N of POPERINGHE to ascertain exact billets.
- 4.- C.O. Centre Group will move into the Head-Quarters of the 24th Brigade R.F.A. and will assume command of the Section occupied by that Brigade.
C.O. 24th F.A. Brigade (4th Div Artillery) will assume command of the Centre Group .
This relief will be completed by 22 00 to day.
- 5.- 171st Brigade R.F.A. (A/171, B/171, and C/171 Batteries) and that Section 31st D.A.C. attached to 5th D.A.C., will be withdrawn from the present positions at 2100 this day and will rejoin the 31st Division, night 21/22nd inst, moving into billets at L' EPINETTE.
(a) Billeting parties will be sent forward by each Battery of the 171st Brigade to meet the Staff Captain 31st Div Artillery at R 7 c 6.8 - Sheet 36 A, S.E - at 1600 this day.
(b) The Officer commanding 171/A, Battery will arrange for the move of the Section of 31st D.A.C. attached to 5th D.A.C.
- 6.- Batteries moving out will move with full equipment of ammunition. Ammunition remaining at Battery position, with the exception of that in positions which are to be re-occupied at once, will be returned to C.O. 5th D.A.C.
Section 31st D.A.C. will move with its full equipment of ammunition.
- 7.- 4th D.A.C. will move from its present position to their old billet at STEENWERCK. Ammunition at present held by this Unit will be taken with them. Arrangements will be made later to complete this unit to its full Establishment on wheels.
- 8.- Attention is directed to Memo A21/28 instructions re move, which have been issued to Group Commanders.

sgd E. THORNTHWAITE. Major
B.M. R.A. 5th Australian Division.

ISSUED to Copy No

WAR DIARY	1
File	2
C.O. Right Group	3
Left	4
Centre	5
4th D.A.C.	6
5th D.A.C.	7
COPIES TO:-	
H.Q. 5th A.D	8
C.R.A.	31st Div 9
C.R.A.	4th AUST DIV 10
C.O. 24th Bde R.F.A.	11
C.O. 15th F.A.B.	12

APPENDIX

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INTELLIGENCE SUMMARY No 9. FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

From 6am 21/7/1916 to 6am 22/7/1916.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELLLED	REMARKS
4.45pm	Vicinity of DUBEN WOOD	4.2"	7	-	FLEURBAIX	42nd
5pm	-	5.9"	2	-	H 27 b 5/5	112th
5 25pm	N 23 a 4.3	77 mm	86	-	N W of ROUGE de BOUT	112th
6 pm	N 22 c 90.05	77 mm	20	-	N 4 b	112th
9.15 to) 10 15 to) 11 pm)	-	4.2"	40	-	H 31 b (53rd Bty & 54th Bty positions	53rd

OUR ACTION.

TIME	BATTERY	LOCALITY SHELLLED	NO OF RDS	REMARKS
N I L				

INTELLIGENCE

TIME	INTELLIGENCE	AREA	REMARKS
	Enemy's Aircraft and observation balloons particularly active during the day.		
2 50 am	Enemy's Aeroplane observed.		
5 50am	F.O.O' reported that Infantry were endeavouring to get in wounded and requested amm no fire in that area. Subsequently it was reported that both enemy and ourselves were getting in wounded and a partial truce existed.		
10 am to 12 noon	Enemy observed moving dead from his front trench N 10 c 23 to N 10 c 50.55.		
12 50	Working party observed carrying timber N 10 c 6.2		

[Signature]
Major
B.M. R.A. 5th Aust Division.

APPENDIX

Copy No 5

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FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No 16.

SECRET.

Head-Quarters, July 22nd 1916.

- 1.- The 4th Divisional Artillery (less 10th F.A. Brigade) will be withdrawn from their present positions on the night 22/23rd inst and will proceed in accordance with orders which have been issued by the C.R.A. 4th Aust Division.
The 10th F.A. Brigade will remain attached to the 5th Divisional Artillery for tactical purposes and discipline.
- 2.- Equipment of 4th Div Artillery Units whose positions will remain occupied, will be transferred to the 10th F.A. Brigade. The 10th F.A. Brigade transferring like equipment in its place.
These details will be arranged by Group Commanders with the Commanding Officers of 4th Div Artillery Brigades concerned.
- 3.- Details of reliefs will be made by Commanding Officers concerned.
Units of Right Group will march via road ROUGE DE BOUT - SAILLY - Pt TOURNANT, thence by road N of R LYS to their billets.
Units of Centre Group will march via RUE BLACHE to ROUGE de BOUT thence as above.
Units of Left Group will march via FLEURBAIX - CROIX de ROME - FORT ROMPU thence to their billets at CROIX du BAC.
- 4.- O.C. 5th D.A.C. will arrange with O.C. 4th D.A.C. for the necessary vehicles and personnel of "A" Echelon 4th D.A.C. to be detached from 4th D.A.C. for the ammunition supply of the 10th F.A. Brigade. This Section will remain attached to the 5th D.A.C. for tactical purposes and discipline.
- 5.- Units will march to their new areas with wagons and limbers filled. Ammunition in pits that are not to be occupied is to be returned to the O.C. 5th D.A.C. prior to the move taking place.
- 6.- Attention is directed to Memo re MOVES (A21/58) of 21st inst, which has been issued to Group Commanders.

sgd F. THORNTON. Major

B.M. R.A. 5th Australian Division.

ISSUED AT 5pm to	Copy No
O.C. Right Group	1
Centre "	2
Left "	3
5th D.A.C.	4
WAR DIARY	5
FILE	6
Copies to :-	
H.Q. 5th A.D.	7
C.R.A. 4th A.D.	8
O.C. 15th F.A.B.	9

APPENDIX

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No 17.

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SECRET.

Head-Quarters, 22nd. July 1916.

1. The 5th. Australian Division will occupy the front BOND STREET (exclusive) to the BRIDOUX SALIENT (exclusive).
2. Fronts allotted to Groups will be as follows :-
 RIGHT GROUP from N 8 d 05.80 to N 10 c 05.65
 CENTRE GROUP " N 10 c 05.65 " N 5 c 95.60
 LEFT GROUP " N 5 c 95.60 " I 31 c 4.3
3. The provisional boundaries of Groups will be as follows :-
 SOUTHERN BOUNDARY of RIGHT GROUP AREA will be line running from PONT LEVIS in ESTAIRES to N 8 d 05.80.
 The boundary between the Right and Centre Group areas will start from the main road in G 17 d 6.9 and run along the road through G 23 b 7.1 to G 30 a 9.8, thence along emergency road No 8 through H 31 a 8.8 to emergency road No 6 in N 2 b 9.3 following a line half way between BROMPTON ROAD and CELLAR FARM AVENUE - MINE AVENUE to the front line in N 10 c 05.65.
 The boundary between the Centre and Left Brigade areas will start from the main road in H 13 b 5.8 and follow a line to H 27 b 2.6 thence South to the ROELLE DU BOIS FIERETZ and down the South West side of the RUE DAVID and the ODE R de la BOUTILLERIE to the front line at N 5 c 95.6.
 The Northern boundary of the Divisional Area will be the old boundary FORT ROMPU - CROIX DU ROME - H 22 c 5.10 - H 36 a 4.4 - H 36 b 5.10 to I 31 c 4.3.
 For tactical reasons, however, Batteries may be placed outside these areas by arrangements with Commanding Officers concerned.
4. Batteries will be distributed amongst Groups as under :-
RIGHT GROUP :-
 LIEUT-COLONEL O.F. PHILLIPS (Commander)
 38th. Battery
 53rd. Battery
 54th. Battery
 55th. Battery
 58th. Battery
 110th. How Battery
 114th. How Battery
CENTRE GROUP :-
 LIEUT-COLONEL O.H. CADDY (Commander)
 39th. Battery
 49th. Battery
 50th. Battery
 51st. Battery
 57th. Battery
 113th. Battery
LEFT GROUP :-
 LIEUT-COLONEL H. COX TAYLOR (Commander)
 37th Battery,
 52nd Battery
 56th Battery
 59th Battery
 60th Battery
 115th Battery.
- 5.- Reconnaissance of the above positions will be made to day and tomorrow the 23rd inst.
 Groups will move into their new positions on night 23/24th inst, necessary details being arranged by Commanding Officers concerned.
 Move to be completed by 5am on the 24th inst.
- 6.- Groups will work with the Infantry brigades as under :-
 RIGHT GROUP with 15th Infantry Brigade.
 CENTRE GROUP with 8th Infantry Brigade.
 LEFT GROUP with 14th Infantry Brigade.

APPENDIX

(2)

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- 7.- The positions giving Map Squares and pinpoints of Batteries, Wagon Lines and O.P selected to be forwarded to this Office prior to 7 pm on the 23rd inst.
- 8.- All Batteries will move to their new positions with Wagons and Limbers filled. Ammunition of Pits that are not to be reoccupied to be returned to the D.A.C..
- 9.- Attention is directed to memo re Move (A21/38) of the 21st inst which is to be complied with rigidly.

sgd F.THORNTHWAITE. Major

B.M. R.A. 5th Aust Division.

ISSUED TO	Copy No
WAR DIARY	1
FILE	2
C.O. Right Group	3
Center	4
Left	5
15th F.A.B.	6
D.A.C.	7

Copy to :-

H.Q. 5th A.D.	8.
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APPENDIX

INTELLIGENCE SUMMARY No 10. FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

From 6am 22/7/1916 to 6am 23/7/1916.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED.	LOCALITY SHELLS	REMARKS
11 20am	-	4.2"	?	-	Trenches	50th.
11 22am	N 21 a 5.4	77 mm	?	Flashes	F.L. Trenches	54th
1 35pm	-	4.2"	15	-	N o d 49 to	
					N o c 8.5	53rd
2 20pm	-	5.9"	60	-	N o d 49 to	
					N o c 3.5	38th
2 30pm	-	5.9"	30	-	N o b o 9 to	
					RUE DU BOIS	53rd
6 30pm	-	4.2"	?	-	BOND STREET	38th
7 pm	-	4.2"	-	-	V.C. Corner & Com' Trenches	54th inter'ly

OUR ACTION.

TIME	BATTERY	AREA SHELLS	No of Rds.	REMARKS.
10am	50th	Concealed Bty N 21 a 5.4	20	
11 20am	50th	N 21 c 4.3	20	Enemy 77 mm Bty.
5 40pm	53rd	Enemy C.P. & N 21 a 7.7	11	Retaliation.
	"	N 9 d 0.1	12	"
7 30pm	46th	Enemy's Bty N 27 a 7.3	30	

INTELLIGENCE

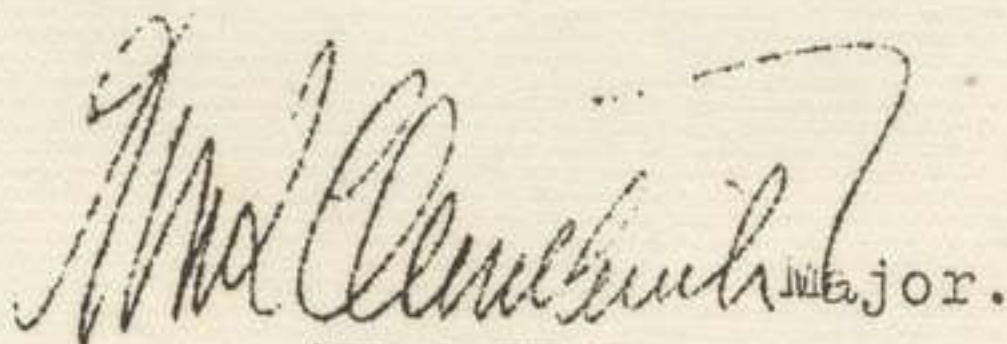
TIME	INTELLIGENCE	REMARKS
11am	At BEREMERE Two puffs of white and black smoke observed. Appeared to be a locomotive.	
5 30pm	Small bodies of enemy's troops observed moving Southward.	
5 35pm	Smoke resembling stationary engine observed at O 25 a 5.5 Two small bodies of troops seen moving South along LE MAISNIL Road.	
6 pm	Two hostile balloons observed along the front during the afternoon.	

s.d F. THORNTHWAITE Major
B.M. R.A. 5th Australian Division.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No 18.SECRET.

Head-Quarters, July 23rd 1916.

- 1.- 5th Australian Divisional Artillery Order No 16, dated 22nd inst relating to the reorganization of the Artillery to cover the new Divisional Front will be re-numbered - 17.
- 2.- The following change in the allocation of 4th Div Artillery Batteries to Groups has been necessitated. 5th Australian Divisional Artillery Order No 17 is to be amended accordingly.
37th Battery is allotted to Centre Group Vice 39th Bty.
39th Battery is allotted to Left Group vice 37th Bty.
- 3.- Head-Quarters will be as follows :-
5th Divisional Artillery Head-Quarters - SAILLY.
Right Group - H 51 a 75 80.
Centre Group - ~~H~~ 20 c 5.4.
Left Group - H 21 d 95.45.
15th F.A.Brigade - G 10 b 75.40.
10th F.A.Brigade - G 22 b 05.70.
5th D.A.C. - G 13 d 1.6.
- 4.- Head-Quarters of other Units are as follows :-
5th Australian Division - SAILLY.
15th Infantry Brigade - ROUGE de BOUT.
8th Infantry Brigade - MARE'S NEST.
14th Infantry Brigade - FLEURBAIX.


Major.

ISSUED AT 10 10 pm. B.M. R.A. 5th Australian Division.

To	Copy No.	Copies to :-	Copy No
WAR DIARY	1	5th Aust Div H.Q.	9
FILE	2	C.R.A. 4th Aust Div	10
C.O. Right Group	3	C.O. 8th Infty Bde	11
C.O. Left "	4	" 14th " "	12
C.O. Centre "	5	" 15th " "	13
C.C. 15th F.A. Brigade	6	D.T.M.O. 5th Aust Div	14.
C.C. 10th F.A. Brigade	7		
C.O. 5th D.A.C.	8		

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 6am 23/7/1916 to 6am 24/7/1916.

H O S T I L E A C T I O N.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELLLED	REMARKS.
6 30am	-	5.9"	14	-	N 8 b 5.2	58th
7 15am	-	77 mm	4	-	RUE DE BOIS	110th
8 30am	-	77 mm	40	-	N 8 b 5.2	54th
10 10am	-	5.9"	?	-	BOND STREET	110th
11am	N 22 c 9.4	5.9"	8	Flashes	N 8 b 5.2	110th
3 30pm	"	5.9"	40	"	N 8 b 5.2	110th

O U R A C T I O N.

TIME	BATTERY	LOCALITY SHELLLED	No of Rds	R E M A R K S.
3 30pm	53rd	N 9 d 0.2 to N 9 d 1.0.	23	Retaliation.

I N T E L L I G E N C E.

TIME	INTELLIGENCE	R E M A R K S.
	Very quiet day.	
10 10am	Hostile balloon observed at approximately N 22 d 1.6. Hostile Artillery fired intermittently on our trenches during the day.	

W. J. Hamilton Major.

B.M. R.A. 5th Australian Division.

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H.T.

Intelligence Summary No 12.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 6am 24/7/1916 to 6pm 25/7/1916.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELLED	Remarks.
11am	-	4.2"	3	-	BOND STREET	53rd.
1 40pm	-	4.2"	30	-	Trenches	
3 45pm	Fme BLERNIGRE	77 mm	30	Flashes	N 10 1 & N 10 2	58th
4 5pm	-	77 mm	30	-	N 24 a 30 25	56th
5 pm	-	77 mm	20	-	Trenches	
5pm	-	4.2"	32	-	N 9 2 & N 9 3	58th
5pm	-	77 mm	40	-	Trenches	
5 pm	-	77 mm	20	-	N 8 4 & N 8 5	114th
					Trench N 9 1	114th
					N 9 3 & N 9 4	114th
					N 10 a 95 10	Left Group

OUR ACTION.

TIME	BATTERY	LOCALITY SHELLED	No of Rds.	REMARKS.
8 20pm	57th	N 10 d 5545	13	Registration.
8 55pm	57th	N 10 d 55 45	28	M.G. Emplace's
10 am	59th	N 9 d 7.2	24	Registration.
11am	58th	N 8 d 70 25 to N 8 d 9515	28	"
3pm	54th	N 9 d 92 24 " N 10 c 0530	38	"
4 pm	52nd	O 1 a 0.6 " N 6 d 5.6	45	"
4pm	50th	N 10 c 7.5 "	42	" & W Pty.
4 10pm	56th	N 12 a 9.5	28	"
4 15pm	49th	N 10 c 10.7 " N 10 b 3.6	28	"
4 36pm	51st	N 11 d 1.9 " N 11 a 8.8	28	" & W Pty.
5pm	55th	N 8 d 5.2	28	"
5 30pm	53rd	N 9 c 5.1 " N 9 c 8.1	30	"

INTELLIGENCE.

AERIAL Two (2) enemy balloons observed, kept up for about one hour.

OBSERVATION. Difficult. Weather misty and dull.

WORKING PARTIES. Working parties observed at N 10 c 7.5 and at N 11 d 1.9. Dispersed by our 16pr fire.

Major.
B.M. R.A. 5th Australian Division.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

APPENDIX

From 6pm 25th to 6pm 26th July 1916.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELLLED.	Battery Reported by.
8pm	N 10 c 15 30	Trench Mortar	?	-	N 10 1	49th Bty.
10pm	-	77 mm	10	-	BOND STREET.	110th Bty.
12pm	-	77 mm	16	-	N 85 & N 91	114th Bty.
20pm	-	5.9"	12	-	BOIS GRENIER	56th Bty.

OUR ACTION.

TIME	BATTERY	LOCALITY	SHELLED	NO OF RDS	REMARKS.
6 15pm	37th	N 10 b 9.3		28	Working Party.
6 pm	32nd	N 6 b 00 35 to N 6 d 30 65.		43	Registration.
11 30 pm	35th	N 9 c 30 15 to N 9 d 3.2 to N 8 d 40 35 to		4	Working Party.
3 am	"	N 9 c 2.3 N 9 c 30 15 to N 9 d 3.2 to N 8 d 40 35 to N 9 c 2.3		4 4 4	" "
10 45am	38th	N 9 d 6.2 to N 9 d 8 1/4		57	Registration.
3pm	30th	N 11 a 03.05 N 10 b 95 45		28	Working Party.
10pm	33rd	N 9-a 00.05.		6	Registration.

INTELLIGENCE.

OBSERVATION - Difficult, very hazy and misty.

AERIAL. - No hostile aircraft were observed during the day.

WORKING PARTIES.- 6.15pm, Working party observed at N 10 b 9.3 - dispersed by our fire. 3.4pm parties observed at work repairing trenches N 11 a 0505 to N 10 b 95 45 - Dispersed by our fire.

4pm Enemy at work in trench, presumably building overhead cover, N 11 a 68 to N 5d 21 - Dispersed by our fire.

GENERAL 2 30pm, Smoke observed issuing from the enemy's trenches in the vicinity of the TADPOLE.

3 30pm, Smoke observed in enemy's trench N 9 c 55 10.

Thick Gun Cloud

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

SECRET.

OPERATION MEMORANDUM No 1.

Head-Quarters, July 26th 1916.

- 1.- More than usual activity by our 6" Howitzers may be expected during the next few days.
- 2.- This activity will probably provoke retaliation on our trenches.
- 3.- Infantry Units have had orders, that any shelling of our trenches will be reported at once to their Brigade Head-Quarters.
Brigade Head-Quarters have had orders, to arrange with their affiliated Artillery Group Commander for an immediate retaliation with 10prs on the enemy's trenches, opposite the point shelled by the enemy.
- 4.- Your attention is drawn to Secret Memo A 3/170 re retaliation Schemes.
If any retaliation against enemy's fire is asked for by the Infantry these Schemes will be put into force by order of the Group Commander concerned.

W. A. Smith
Major.

B.M. R.A. 5th Australian Division.

Issued to:-

RIGHT GROUP ✓
CENTRE GROUP ✓
LEFT GROUP. ✓

Copies to :-

H.Q. 5th Aust Div ✓
8th Infantry Bde ✓
14th " ✓
15th " ✓
10th F.A. Brigade ✓
15th " ✓
File ✓
War Diary. ✓

APPENDIX

62

H.T.

INTELLIGENCE SUMMARY 15. FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

From 6pm 26th to 6pm 27th July 1916.

HOSTILE ACTION.

@@@@@@@@@@@@@
@@@@@@@@@
@@@@@
@@@

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELLED	REMARKS Bty reported by.
1. 5pm	-	4.2"	15	-	N 8 c 7.5	114th Bty.
2. 5pm	-	4.2"	24	-	N 8 d 6.9	58th Bty.
3. 5pm	-	4.2"	24	-	N 8 c	58th Bty
3. 15pm	From air- ection of FROMELLIES	4.2") 5.9")	110	-	N 8 c 8.7 to N 8 c 9.9	110th Bty
3 15pm	-	5.9"	40	-	N 9 c 9.8	58th Bty.
4. 4pm	-	4.2"	70	-	N 9 2 & V.C. A'ue	58th Bty.
4. 4pm	-	5.9"	50	-	N 8 a 8.3	38th Bty
4. 50pm	-	5.9"	20	-	N 8 2 & N 8 3	114th Bty
4. 50pm	-	5.9"	50	-	BOND STREET	38th Bty
4 45pm	-	5.9"	15	-	N 8 3	53rd Bty
5 15pm	-	4.2"	50	-	N 10 c 4.8	57th Bty.


OUR ACTION.

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

TIME	BATTERY	LOCALITY SHELLED	NO OF RDS	REMARKS
6pm	51st	N 5 c 40.15 to N 5 c 85.05	16	Registration.
6 50pm	59th	O 7 b 20.65	27	"
6 50 "	59th	O 7 a 8.2	40	Working Pty
6 55 "	57th	N 10 c 55.40	10	Checking night lines.

INTELLIGENCE

OBSERVATION Very difficult. All the day weather very hazy and misty.
AIRIAL No hostile aircraft or balloons were observed during the day.
WORKING PARTY A working party was observed at O 7 a 8.2 and was dispersed by our fire.


Major.

B.M. R.A. 5th Aust Division.

APPENDIX

Copy No

H.T.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER 19.

Headquarters, July 27th 1916.

SECRET.

- 1.- The following distribution in front of Railhead will be maintained :-

	18pr Rds pr Gun	4.5" Howitzer Rds pr Gun.
Dug in at Gun	254	154.
Gun Limbers	24	12
Firing Battery Wagons	Nil	48
First Line Wagons	76	48
"A" Echelon, D.A.C.	Nil	Nil
"B" Echelon, D.A.C.	Nil	Nil
Sub Park Lines	Nil	Nil
	-----	-----
Total	554	262.
	=====	=====

- 2.- The periodical allotment, vide A 1/106 of the 22nd inst, is intended for expenditure in offensive operations and is distinct from ammunition expended on defensive operations.

- 3.- Care must be taken to ensure a proper turn over of this ammunition, maintained in front of Railhead

- 4.- In the case of both 18pr and 4.5" Howitzer ammunition, the balance in hand above the figures mentioned is not to be returned, but no ammunition will be drawn until the amount in hand is reduced by expenditure to the amount allowed.

W. C. C. C. C.

Major.

B.M. R.A. 5th Aust

ISSUED to Copy No

FILE 1
WAR DIARY 2
C.O. RIGHT GROUP 3
LEFT " 4
CENTRE " 5
D.A.C. 6

Copies to :-

H.Q. 5th Aust Div 7
C.O. 10th F.A.B. 8
17th " " 9

Intelligence Summary. No 16.

From 6pm 27th to 6pm 28th July 1916.

[illegible]

OUR ACTION.

AERIAL. - 1.15pm hostile aeroplane was reported. Five (5) hostile balloons were observed up during the afternoon. Two (2) descending on the approach of our aircraft.

(over)

(2)

INTELLIGENCE continued.

WORKING PARTIES

10am. Working Party repairing Machine Gun
emplacement at N 10 0 5.4, engaged yes-
terday afternoon.

Working parties busily engaged during the afternoon but dispersed by our fire.

NEW WORKS.

new timber works 20 yards behind enemy's
trenches at N 10 c 5.4.

GENERAL.

4 55pm. Carrier Pigeon sent up by enemy.
flew in direction of FLEURBAIX.

John Stewart, Major.

B.M. R.A. 5th Australian Div.

APPENDIX

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INTELLIGENCE SUMMARY No 17.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 6pm 28th to 6pm 29th July 1916.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELLED.	BATTERY REPORTED BY.
12 45 to 2 30pm	T bearing 150° from Church in FLEURBAIX	5.9"	70	-	FLEURBAIX	L Group, Church Steeple demolished.
1 40pm	-	4.2"	?	-	H 26 d 7.5	51st
2 20 pm	-	77 mm	2	-	V.C. Sap	58th
2 pm	-	77 mm	20	-	N 9 d 4.2 to 5.2	54th
4 pm	-	77 mm	40	-	N 8 4 - N 8 5	114th
4 pm	-	4.2"	17	-	N 9 c 4.9	54th

OUR ACTION.

TIME	BATTERY	LOCALITY	SHELLED	No of Rds	REMARKS.
5 to 7pm	60th	N 6 c 15 10 to N 6 c 5.5		27	Retaliation.
6 45pm	37th	N 10 b 9.3		12	do
8 pm	57th	N 10 c 0.2		6	do
2 pm	56th	N 11 a 9.9 to N 5 d 8.1		35	Registration.
2 20pm	54th	FME DELAPORTE			
		N 9 c 0505 to N 9 c 30 35 &			
		N 8 d 80 15 to N 8 d 1.1		50	Registration.
7 pm	38th	N 15 a 3.6 to N 15 a 07.55		38	Reg Support Trenches.
4 20pm	60th	N 5 d 3.1 to N 6 c 5.4		28	Registration.
4 20	39th	N 6 b 35 35 to C 1 a 5075		20	Retaliation.
4 30pm	52nd	N 6 b 8 0 N 6 d			
		N 6 d 3 6 to N 6 b 35 35		20	Retaliation.
5 50pm	50th	N 10 c 8.5		4	Registration.
5 50pm	59th	N 24 b 4.7		40	Retaliation.

OBSERVATION.

Good. Particularly clear during the afternoon.

AERIAL.

Hostile aircraft seen over FLEURBAIX, apparently directing the fire of the guns shelling that village. Two (2) hostile balloons observed up during the day.

MOVEMENT.

4 40pm. A small body of enemy troops moving at Le MEISNIL.

GENERAL.

2 50pm. A number of our aeroplanes dropped a large number of bombs along enemy's support trenches.

1. 35. Heavy guns firing on FLEURBAIX at a slow rate of fire. Church Steeple and a number of buildings destroyed and burnt. Guns still firing.

3 20pm. Three (3) explosions seen in village of FROMELLES; presumably an enemy's Battery on edge of wood at N 36 b C.7. (reported by 58th Battery)

Major

B.M. R.A. 5th Aust Division.

57

APPENDIX

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H.T

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

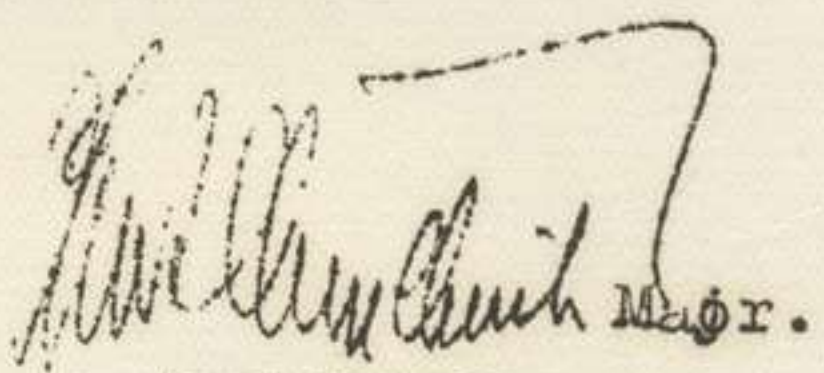
SECRET.

OPERATION MEMO No 2.

Head-Quarters, July 29th 1916.

In anticipation of Defence Scheme being issued :-

On Infantry reporting that their trenches are being shelled by the enemy, they will immediately put into action one of the retaliation Schemes in force. At the same time they will ascertain from the Infantry the direction of the hostile fire reporting it at once to R.A.H.Q. so that the cooperation of the Heavy Artillery may be obtained with fire against the enemy Batteries as soon as possible.

 Major.

B.M.R.A. 5th Aust Division.

Issued to :-

Right Group
Left Group
Centre Group.

Copies to :-

H.Q. 5th A.D.
8th Infantry Bde
14th " "
15th " "
10th F.A. Brigade
15th F.A. Brigade
FILE
WAR DIARY.

APPENDIX

SECRET.

Appendix

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY.

S.O.S. PROCEDURE.

ACTION ON
S.O.S. CALL.

(A) The Call " S.O.S." followed by number of trench will be sent by Infantry over S.O.S. Line when the enemy is seen to leave his trenches.

The Battery receiving the S.O.S. Call will at once repeat to 10pr Batteries on either flank, to nearest 4.5" Howitzer battery and to Group Head-Quarters as well as opening fire at once on its Night Lines.

RATE OF
FIRE.

The rate of fire for a Battery or a portion of a Battery opening fire on " S.O.S." call will be :-

4.5" Howitzers

- First 10 minutes, One (1) round per Gun per minute.
- Second 10 minutes, One (1) round per Section per minute
- Third 10 minutes, One (1) round per Section per five (5) minutes.

18pr Q.F. Guns

- First 10 minutes, One round per gun per minute.
- Second 10 minutes, One round per Section per minute.
- Third 10 minutes, One round per Section per five (5) minutes.

At the expiration of this 30 minutes unless further orders have been received, or the Battery commander is confident that the situation has become normal, the last named rate of fire will be continued until further orders.

POSITION
OF BARRAGE.

Whenever our front trench and the enemy's are 200 yards or more apart, all the 18pr Guns will drop 50 yards on their Night Lines in order to form the Barrage just short of the enemy's front trench in NO MAN'S LAND.
Where the enemy's trench is closer to our trench than 200 yards the Barrage will be maintained on the enemy's front trench.

TEST CALLS.

For a test, the Call will be :-
" Test S.O.S." followed by the number of the trench. On this Call the Battery concerned fires one round on the point asked for.
Test Calls will be entered up in the daily intelligence summary showing :-
(1) The actual time the message was sent from the Infantry.
(2) The actual time the message was received.
(3) The actual time the shot was fired.
(4) The point at which the shot fell.

(B) When telephonic communication breaks down the S.O.S. call will be signalled by a single green rocket fired from near Company Head-Quarters and repeated until Artillery fire is forthcoming.

On this signal Batteries will act as above.

B.M. R.A. 5th Aust Division.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

From 6pm 29th to 6pm 30th July 1916.

APPENDIX

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS	HOW LOCATED	LOCALITY SHELIED	REMARKS
8pm	-	5.9"	8	-	H 27 c	L Group.
4 40pm	-	4.2" (about	40	-	N 10 c 5.6	"
5 pm	-	4.2"	?	-	N 10 b 1.1	C Group.
5 20pm	-	5.9"	3	-	H 27 d 5.2	C Group.

OUR ACTION.

TIME	BATTERY	LOCALITY	SHEL. ED	NO OF RDS	REMARKS
6pm	49th	N 11 a 1.5 - N 11 a 70 85		18	Retaliation.
7pm	59th	N 24 a 75		26	"
7 to 8pm	114th	FROMELLES		35	"
10 31½pm	53rd	N 9 d 1005		1	Test S.O.S.
1pm	57th	N 10 c 2.3		20	Registration.
1 45pm	51st	N 30 b 3.4		69	Billet set on fire still burning.
2 10pm	52nd	O 8 d 5.6		35	Working pty.
2 10pm	56th	LE MAISONNIL		7	Registration.
2 30pm	55th	N 9 c 6.0 - N 9 c 30 05		8	Registration.
3 5pm	60th	N 6 c 35 30- N 6 c 5.4		4	"
3 20pm	53rd	N 15 a 50 85- N 15 a 1085		31	Retaliation.
3 20pm	53rd	N 15 a 68 - N 15 a 99		9	Registration.
3 20pm	53rd	N 9 d 0005- N 9 d 4510		10	"
3 30pm	58th	N 10 d 5.0 N 10 d 3.4		30	Retaliation.
3 40pm	49th	N 11 a 25-35-67-78			
		FME DE MOU' UET FME DELANGRE		60	Retaliation.
4pm	39th	-		20	Registration.
4pm	59th	N 6 c 5.4 - N 6 d 3.6		20	"
4 5pm	50th	N 5 c 1.2- N 11 a 1.2		73	Reg' & M.G. Emp'
5pm	37th	N 10 b 5015- N 11 a 2.5		20	Retaliation.
5pm	57th	N 10 c 5.5		20	"
5pm	49th	N 11 a 1.5- N 11 a 7085		20	"
5 pm	51st	N 11 a 8085- N 5 a 7.1		21	"
5pm	50th	N 10 c 3.5-N 10b 5.2		20	"
5 12pm	49th	N 11 a 7.3 N 10 c 5.5		12	Registration.
5 20pm	57th	N 16 a 7.3 - N 10 c 5.5		9	"
4pm	54th	N 15 a 5075 N 9 c 60)			
		N 15 b 6.5 N 15 b 35 00)		40	Registration.
4 30pm	55th	N 8 d 55 25 N 9 c 5.1		25	"
4 55pm	57th	FME DELANGRE		8	Working Pty.
5 pm	58th	N 15 a 88 & N 10 c 4.2)			
		to N 10 c 9.3)		8	Retaliation.

OBSERVATION Difficult during morning, clear during afternoon.

AIRAL No enemy aircraft or balloons were observed during the day.

WORKING PARTIES. 55 pm Working party observed near FME DELANGRE, dispersed by our fire.

GENERAL " TEST S.O.S " message received at 53rd Battery at 10 31½ round fired 10 seconds later.

B.M. R.A. 5th Auart

SECRET.

Head-Quarters, July 31st 1916.

REFERENCE SHEET 36, 1 : 40,000.

- 1.- The 10th F.A. Brigade at present attached to the 5th Div Artillery will be withdrawn from the line during the night 1/2nd August and will return to their billets at CROIX DU BAC. Move to be completed by 3am 2nd inst.
The Section of 4th D.A.C. attached to 5th Div Artillery will be withdrawn tomorrow the 1st August and will return to their billets at CROIX DU BAC. Move to be completed by 12 noon Aug 1st.
- 2.- Necessary details will be arranged by C.O.'s 10th F.A. Brigade with commanding Officers of Groups concerned and by C.O. Section 4th D.A.C. with C.O. 5th D.A.C.
- 3.- The 10th F.A. Brigade and Section 4th D.A.C will cease to be attached to the 5th Div Artillery from 3am Aug 2nd and will from that date come under the orders of the C.R.A. 4th Aust Division for discipline and tactical handling.
- 4.- Units will move out with Wagons and limbers filled. All ammunition at the Gun Pits with the exception of that on charge to the 39th Bty will be returned to the 5th D.A.C. prior to the withdrawal. Ammunition left in the Gun Pits of the 39th Battery will be handed over to the C.O. Left Group who will be responsible for its safe custody in the pits until such time as it is taken over from them.
- 5.- Attention is directed to Memo re MOVES (A21/38) of the 21st inst, which has been issued to Group Commanders.

William Smith
Major

B.M. R.A. 5th Aust Division.

Issued to :-	Copy No
C.O. Right Group.	1
Left	2
Centre	3
10th F.A.B.	4
5th D.A.C.	5
WAR DIARY	6
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" " " Q	9
C.R.A. 4th Aust Div	10
C.R.A. 61st Div	11
C.R.A. 18th Div	12
C.O. 15th F.A. Brigade	13.

APPENDIX ①

Copy No 71

H.T.

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY ORDER No 21.

S E C R E T.

Head-Quarters, July 31st 1916.

REFERENCE SHEET 36 S.W.I. 1 : 10,000

- 1.- Operations will be undertaken tomorrow August 1st against the enemy's trenches from N 8 d 95 10 to N 9 d 0.1 and from N 10 b 4.0 to N 10 b 9.4 (including the TADPOLE) with the object of destroying the new works on which he has been engaged since the operations of 19/20th inst.
- 2.- Attention is directed to 5th Aust Division Intelligence Summary No 21.
- 3.- The right Group Artillery (less two (2) 10pr Batteries and one (1) Section 55th Battery) will carry out a bombardment on points in the enemy's front line from N 8 d 95.10 to N 9 d 0.1 in accordance with table of tasks attached (Appendix "A") .
One (1) Howitzer Battery and two (2) 10pr Batteries of centre Group will bombard points in the enemy front line trenches from N 10 b 4.0 to N 10 b 8.4 in accordance with table of tasks attached (Appnedix "B").
- 4.- Registration will be completed by 12 noon August the 1st - allowance of ammunition 10 rounds per Battery.
- 5.- Watches will be synchronised from Right Group Head-Quarters at 1pm.

W. H. C. M. A.
Major.

B.M. R.A. 5th Australian Division.

Issued at 11 15pm Copy No.
to:-

C.O. Right Group.	1
Centre "	2
FILE	3
WAR DIARY	4

Copies to :-

B.G.R.A. 2nd ANZAC	5
H.Q. 5th Aust Div	6
C.R.A. 4th Aust Div	7
C.R.A. 61st Div	8
C.R.A. N.Z. Div	9
G.O.C. 8th Infty Bde	10
" 14th " "	11
" 15th " "	12
C.O. Left Group	13
15th F.A.B.	14
10th F.A.B.	15

APPENDIX

TABLE OF TASKS

APPENDIX "A"

RIGHT GROUP.

(1)

TIME	BATTERY	O B J E C T I V E	Rate of fire.	ALLOWANCE and NATURE OF AMM- UNITION.
2pm to 2 30pm	1 - 18pr Bty. 1- 4.5" How' BATTERY, (enfilade)	Points in enemy front Line, between N 8 d 95.10 to N 9 d 0.1.	At discret- of Group Commander.	
3pm to 3 30pm	do	do	do	18pr - 100 rounds H.
4pm to 4 30pm	do	do	do	4.5" How - 30 rounds H.E
5pm to 5 30pm	do	do	do	
3 45 to 4 15pm	1- 4.5" How Battery 1- 18pr Battery 1- Section 18pr Bty., (enfilade)	Points in enemy front line between N 8 d 95 10. to N 9 d 0.1.	At discret- ion of Group Commander	4.5" How 20 rds H.E. 18pr Q.F. 100 rds H.E. 18pr Q.F. (enfilade) 50 rds H.E.
4 45 to 5 15pm	do	do	do	

APPENDIX "B"

CENTRE GROUP.

TIME	BATTERY	O B J E C T I V E	Rate of fire	Nature and all- owance of Ammu- ition.
2 30 to 2 45pm	1- 18pr Bty) 1- How Bty) 1 18pr Bty	On points in enemy's front line between N10b4.0 -N10b8.4 TADPOLE	At discretion of Group Cdr.	15rds H.E. How 5rds 18pr 5 rds Shrapnel.
3 45 to 4 pm	do	do	do	do
4 30 to 4 45pm	do	do	do	do
5 30 to 5 45pm	do	do	do	do

APPENDIX



FIFTH AUSTRALIAN DIVISIONAL ARTILLERY

Head-Quarters, July 31st 1916.

OPERATION MEMO No 3.O.P. STATIONS

(1) The following instructions with regard to the use and occupation of Observing Stations are to be put into force immediately and kept rigidly enforced.

(a) No fires are to be lit at or in the vicinity of an O.P. Station. This Order is to be most rigidly enforced and any individual contravening it must be severely dealt with.

(b) O.P. Stations are to be kept concealed as far as possible. Men must not be allowed to loiter at or near an Observation Station and all ranks moving to the Station must use a concealed approach.

(c) An Officer must always be on duty in an Observing Station from half an hour before dawn to half an hour after dark.

The above instructions by which by their disregard involves the lives of their comrades are to be read and thoroughly explained to all ranks.

2. An Officer must always be on duty at the Battery.

Necessary arrangements must be made to relieve him during meal hours.

Major.

Issued to :-
C.O. Right Group
Left Group
Centre Group
Copy to:-
15th F.A. Brigade.

B.M. R.A. 5th Aust Division.

H.T.

APPENDIX

FIFTH AUSTRALIAN DIVISIONAL ARTILLERY



OPERATION MEMO No 4.

Head-Quarters, July 31st 1916.

AMMUNITION.

The allotment of ammunition to Batteries is to be used in Retaliation and Registration of new targets. Once a Target has been registered further ammunition should not be wasted upon it. Over Registration is to be avoided as it is merely waste of ammunition. An occasional round however to check a Registration is all that is necessary.

Group Commanders will personally coach the weaker Batteries, by setting each a Registration task and they themselves will be present in the Battery O.P. Station and see it carried out.

Group Commanders will allot the ammunition for each task.

At least one Registration task per Battery should be carried out each day. The rate of fire must be slow and once the range and time has been found not more than one round ^{Battery fire} should be fired for effect.

F.A.T. Chap LX. Secs 214 - 217 should be carefully studied.


Major

B.M. R.A. 5th Aust Division.

Issued to:-
Right Group
Left Group
Centre Group.
Copy to:-
15th F.A. Brigade.

APPENDIX

INTELLIGENCE SUMMARY No 19.

75

5th AUSTRALIAN DIVISIONAL ARTILLERY.

From 6pm 30th to 6pm 31st July 1916.

HOSTILE ACTION.

TIME	HOSTILE BATTERY	CALIBRE	NO OF RDS.	HOW LOCATED	LOCALITY SHELLD.	REMARKS
11 15am	-	77 mm	5	-	H 27 d 3.6	L Group.
5 30pm	-	5.9"	8	-	H 33 d 3.3	R Group.

OUR ACTION

TIME	BATTERY	LOCALITY	SHELLED	NO OF RDS.	REMARKS
6pm	52nd	TURKS POINT	WATER FORT	81	Registering.
6 pm	54th	N 9 d 95.2			
	"	N 9 d 95.25.			
	"	N 10 c 0.3			
	"	N 10 c 15.30		32	do
6 pm	58th	N 8 d 9.5 - N 9 c 20 15		16	do
	"	N 14 b 52 - N 14 b 85 50		8	do
	"	N 14 b 55 00 - N 14 b 65 80		13	do
6 30pm	54th	N 15 a 5075 - N 15 a 6.10		32	Retaliation.
12 noon	56th	N 12 a 12 - N 5 d 3.1		39	Registration.
12 30pm	57th	N 16 a 60 85		16	Working Party.

OBSERVATION - Difficult, weather very hazy and difficult to observe.

AERIAL - Very little hostile activity was observed. Our aeroplanes were active during the day.

WORKING PARTIES. At 12 30pm considerable movement and puffs of dust noticed coming from mounds about N 16 a 60 85.

This movement stopped on our Artillery fire being opened. Enemy appear to be running trucks and timber from FMe DELANGRE reinforcing his saps and support trenches.

William L. Smith
Major.

B.M. R.A. 5th Aust Division.