

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

Artillery

Item number: 13/12/14

Title: Headquarters, 3rd Australian
Divisional Artillery

June 1917



AWM4-13/12/14

WAR DIARY

Army Form C. 2118.

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or
INTELLIGENCE SUMMARY.

(Erase heading not required.)

Place	Date	Hour	Summary of Events and Information	Reference Map	Remarks and references to Appendices
STEENWERCK	1.6.17.	Morning	<p>Situation normal.</p> <p>Operations as per Intelligence Summary</p> <p>Ammunition expended. 18 pdr. 12006 4.5" How. 3947 M.T.M. 1344 H.T.M. 255</p> <p>Casualties. Killed. 1 O.R. 8th F.A. Bde. 1 O.R. T. Motor. Wounded. 1 O.R. 8th F.A. Bde. 1 O.R. 8th F.A. B.</p> <p>Weather : Fine. Wind N.E. Light. Visibility good.</p> <p>3.0 p.m. An ammunition dump at Hyde Park Corner U.19.b.35.70. was blown up. Explosion apparently caused by a truck load of Stokes Bombs capsizing. Our casualties were heavy, numbering 110 killed and wounded.</p> <p>Sir Douglas Haig's list for April of Officers deserving of special mention for valuable services rendered included the following names. - Brig. General H.W. GRIMWADE Commanding 3rd. Australian Divisional Artillery. Lt. Col. H.H.D.K. MACARTNEY Commanding 7th. F. A. Brigade. Lt. Col. W.G. ALLSOP Commanding 8th. F. A. Brigade. Capt. J.M. IRWIN, Staff Captain, 3rd. Australian Divisional Artillery.</p> <p>Army Commander visited 3rd. Australian Divisional Artillery Headquarters and discussed matters in connection with the attack.</p>	PLOEGSTEERT 28.S.W. 4 Ed. 4 B.	

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STEENWERCK	2.6.17.	Morning.	<p>Situation normal.</p> <p>Operations as per Intelligence Summary.</p> <p>Ammunition expended. 18 pounder 25651 4.5" How. 9569 M.T.M. 1814 H.T.M. 220</p> <p>Casualties. <i>Killed. 1 OR Trench Mortar Manned. 0 Rg SA & AD</i></p> <p>Practice creeping barrage carried out on Corps Front. Enemy's reply to this barrage was weak. Light shelling of our trenches was recorded.</p> <p>The enemy carried out effective Counter Battery Work on our 18 pdr battery positions in T.17.b. and d. Two batteries were heavily shelled. 12 guns damaged, and a number of casualties sustained. A proportion of the casualties were caused by 4.2" shrapnel (High Air Bursts.)</p> <p>3 p.m. Heavy Artillery carried out a concentrated bombardment of MESSINES. This shoot was most effective.</p> <p>During the night heavy artillery and Stokes Mortars (gas bombs.) carried out concentrated bombardment of ULNA BEAK in U.8. and b.</p> <p style="text-align: right;"><i>A. G. Hunt</i></p>	

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	3.6.17.	Morning.	<p>Situation normal.</p> <p>Operations as per Intelligence Summary.</p> <p>Weather. Fine. Wind E. light. Visibility good.</p> <p>Ammunition expended. 18 pounder 21292. 4.5" How. 2183. M.T.M. 80 H.T.M. 30</p> <p>Casualties. <i>Killed</i> 1 Officer. French Motor. 1. OR. 3rd DAB <i>Wounded</i> 1 Officer 3rd DAB 2. OR. 7th DAB 7. ORs. 8th DAB 1. OR. D. 46. 2 ORs. 5th Motor. 6. ORs 7th DAB. 2. ORs. 8th DAB</p> <p>3.15 p.m. Practice creeping barrage with smoke shells. Barrage carried out on the whole Army Front. This appeared to be very effective. Enemy's reply to this barrage was extremely light.</p> <p>During the night the enemy shelled roads in U.25.c (PLOEGSTEERT) with 77 mm. and 4.2 gas and lachrymatory shells. An ammunition dump containing a number of gas shells, dumped for the Magnum Opus at CINDIE FARM (U.19.c.5.3.) was blown up and a large number quantity of ammunition destroyed. Battery positions in T.30. also received attention from enemy's 15 cm and 10.5 cm gins. (Gas and Lachrymatory.</p> <p>Throughout the night the enemy made frequent use of gas and lachrymatory shells. These were mainly directed against our Battery positions. A number of casualties were sustained.</p> <p>9.0 p.m. An enemy plane unsuccessfully shelled attacked one of our observation balloons. Both Observers made successful parachute descents. The hostile plane was driven down in our lines while returning to its lines at a low altitude.</p> <p>Captain Cloke D.T.M.O. seriously wounded. Lieutenant N. Routledge T.M. Battery Killed.</p>	

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STEENWERCK.	4.6.17.	Morning.	<p>Situation normal.</p> <p>Operations as per Intelligence Summary.</p> <p>Ammunition expended. 18 pounder 34188 4.5" How. 7440 M.F.M. 20 HT.M. 10</p> <p>Casualties. <i>Wounded. 1 Officer 7th & A.B. 1 OR 7th A.B. 2 ORs DAC 2 ORs TM.</i> <i>Killed. 1 OR 7th & A.B.</i></p> <p>During the night and throughout the day enemy's artillery has been unusually active. His fire, chiefly from 8" 15 cm and 10.5 cm (gas and lachrymatory shells) has been mainly directed against our battery positions. Extensive damage has been caused and several huns have been put out of action, while a number of others have been damaged. His shooting has been accurate and well placed. A number of casualties have been sustained, many of which were caused by enemy's gas shells.</p>	
	12 noon.		A large ammunition dump in PLOEGSTEERT WOOD was blown up by shell fire.	
	2.45 p.m.		Six enemy observation balloons ascended and remained in the air throughout the afternoon.	

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STEENWERCK	5.6.17.	Morning.	<p>Situation normal.</p> <p>Operations as per Intelligence Summary.</p> <p>Ammunition expended. 18 pounder 180²⁷ 4.5" How. 1477 M.T.M. - H.T.M. 80</p> <p>Casualties. <i>Killed</i> 2 Officers. 7th F.A.B. 1 O.R. 7th F.A.B. 1 O.R. 8th F.A.B. 1 O.R. T.M. <i>Wounded</i> 4. O.R.s 7th F.A.B. 8. O.R.s 7th F.A.B. 1 O.R. 2nd D.A.C. 2 O.R.s T.M. <i>Gassed</i> 6. O.R.s 7th F.A.B. 2 O.R.s T.M.</p> <p>Weather Fine. Wind. N. N.E. 5 miles per hour. Visibility good.</p> <p>During the morning an enemy aeroplane dropped bombs on BAILLEUL aerodrome without causing damage. On its return flight bombs were dropped from the enemy plane on to an ammunition train containing heavy artillery ammunition. The whole train was wrecked and some thousands of rounds of ammunition were destroyed.</p> <p>During the evening the enemy's artillery were very active and our battery positions and dumps in the back area. A number of our dumps were blown up during these shoots and large quantities of ammunition destroyed.</p> <p>Extract from statements made by prisoners captured on night 2nd/3rd. June. "The enemy's Infantry have been told to expect an attack at any moment. The English it is said, will make their main attack in the MESSINES SECTOR in the hopes of nipping off the WYTSCHAETE SALIENT. The troops in the line, have been warned to specially on the alert and and in a state of "Stand to" day and night. Orders have been issued to hold the line at all costs. The infantry and Machine Gunners are of the opinion that Tanks cannot be used against them. But an increased allotment of "K" ammunition has been made. "Prisoners state that the enemy is making preparations to combat the attack and is bringing up more guns daily. Normally they seldom see artillery on the march, but recently have noticed and heard several batteries moving up."</p> <p>106 fuses have arrived and have been issued to Howitzer Batteries of the 3rd. Australian Divisional Artillery and are to be used for the first time to-morrow 6th. inst.</p>	

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STEENWERCK.	6. 6. 1917	Morning.	<p>Situation normal</p> <p>Operations as per Intelligence Summary</p> <p>Final preparations made for the Attack which is to take place tomorrow. Notification received that Zero Hour will be 3. 10 a.m.</p> <p>Ammunition expended. 18 pdr. 49056 4.5" How. 14120 M.T.M. H.T.M.</p> <p>Casualties <i>Killed</i> 2 ORs 7th F.A.B. 2 ORs 8th F.A.B. <i>Wounded</i> 1 Officer 7th F.A.B. 6 ORs 7th F.A.B. 7 ORs 8th F.A.B. <i>Good</i> 6 ORs 7th F.A.B. 2 ORs 8th F.A.B. Missing 1 OR 7th F.A.B.</p> <p>Weather - Fine, wind North, North-east, - light. Visibility fair.</p> <p>During the day and throughout the night, the enemy's artillery activity has been mainly confined to Counter Battery work. His fire was particularly heavy, chiefly from 11", 8", 15 cm, and 10.5 cm guns. Many direct hits were obtained on our Battery positions. Several guns were destroyed, and several casualties sustained.</p> <p>During the night the enemy brought searching and sweeping fire to bear on our Roads and approaches, and made frequent use of Gas Shells, greatly hampering our attacking troops proceeding to the front line, and causing numerous casualties. Chief areas shelled PLOEGSTEERT and PLOEGSTEERT WOOD.</p>	

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STEENWERCK	7. 6. 1917.		<p>3.9$\frac{1}{2}$ a.m. Our mines were exploded.</p> <p>3.10 a.m. Our Barrage opened, and our attacking troops went forward. The Barrage was everywhere reported to be excellent, no high bursts were reported, nor were any gaps visible. The enemy's resistance was weak, and our troops pushed forward without difficulty, capturing the enemy's front line and support system along the whole attacking fronts. The BLACK LINE was reached on time, and BETLHEEM FARM, SCHNITZEL FARM, GREY FARM, and LONG RUIN had now been captured, and MESSINES on our left attacking front had also fallen into the hands of the NEW ZEALANDERS. Our casualties up to this time were extremely light, and a number of these were caused by enemy's Gas Shells, and through the lighting of Gas Bombs by the enemy before he evacuated his front line trenches.</p> <p>3.10. pm.m By this time the BLACK LINE was consolidated, and our troops moved forward, aided by Tanks, which throughout the action, did excellent work, demolishing several Machine Gun emplacements, and other strong points. The GREEN LINE was captured without difficulty, and the enemy's resistance was again weak. His troops seemed to be entirely disorganised, and showed no anxiety to fight.</p> <p>During the evening, the enemy made several local counter attacks against our newly won positions, but everywhere these were repulsed, and heavy losses inflicted upon the enemy. On several occasions the enemy troops were observed massing at various points, but these were always broken up by our Artillery fire, and everywhere we have maintained our gains. He Hostile Artillery fire during the attack was very intense, and although counter battery work performed by the Heavy Artillery was highly efficient, several of our batteries were heavily shelled with Lacrymatory and gas shells, necessitating the wearing of gas helmets by our Artillery personnel throughout the action. In spite of this, however, the Barrage was excellent, and our Gunners deserve the highest praise.</p> <p>During the night, the enemy continuously shelled our new front line, our consolidated lines, and our newly gained territory, but no determined counter attack was made to re-capture the ridge. Two field Guns, a number of Trench Mortars and Machine Guns and other booty, besides 250 prisoners fell into our hands throughout the day.</p>	

Ammunition expended

18 pdr 54053

4.5" How. 12130

Casualties

Wounded 1 OR 7th TAB
Killed 5 OR 7th TAB

Wounded 2 OR 7th TAB
1 OR DAC

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STEENWERCK.	8. 6. 1917.		<p>During the day and night, our Artillery fired on Protective Barrage lines in reply to S.O.S. Signals, and engaged enemy Machine Gun emplacements and other strong points, and brought harassing fire to bear on enemy's Roads, Communications and Tramway Traffic centres. Hostile Artillery activity during this period consisted of intermittent shelling of our new front line. In comparison to the previous 24 hours, Hostile artillery was very light, and little shelling of our back area and Battery positions was recorded. The absence of fire from enemy's heavy calibre Howitzers on our back area was most noticeable, and fewer Gas Shells were fired. A few rounds 5.9" were directed against one of our Battery positions, blowing up a 1000 rounds of ammunition and causing two casualties. One of our Aeroplanes was brought down out of control East of PLOEGSTEERT.</p> <p>9. 6. 1917.</p> <p>Ammunition expended 4677 18 pdrs. 4.5" How. 12894</p> <p>Casualties. Killed, 1. O.R. 7th F.A.B. Wounded, 2 O.R. 7th F.A.B. Gassed, 5. O.R. 7th F.A.B. 1 O.R. D.A.C.</p> <p style="text-align: right;"><i>Impress.</i></p>	

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STEENWERCK.	9.6.17.		<p>Our Artillery fired during the period on enemy 's Roads, trenches, communications, approaches, Machine gun emplacements and on massing troops.</p> <p>Hostile Artillery fired mostly on our newly constructed trenches. Enemy's Artillery has been comparatively quiet compared with 24 hours activity, and his fire on our back areas was below normal.</p> <p>About 5.30 p.m. the enemy was reported to be massing for what appeared to be a very strong counter-attack along the whole of our Front. Our Artillery brought heavy searching and sweeping fire to bear on these places and a combined concentrated bombardment of LA POTTERIE Trench System was also carried out. Our Fire was extremely accurate and everywhere the enemy's forces were scattered; and what might have been a very strong counter attack was entirely broken up by our fire. It has since been ascertained, through the examination of a captured prisoner that the enemy suffered enormously during our action.</p> <p>AMMUNITION EXPENDED : 18 Pdr. <i>2650</i> 4.5" How. <i>5158</i></p> <p>CASUALTIES. : <i>Wounded 4 OR's 7th I.A.B.</i></p> <p>WEATHER. : Fine. Visibility good. Wind negligible.</p> <p><u>VISIT OF THE COMMANDER-IN-CHIEF.</u> During the afternoon, the Commander-in-Chief, SIR DOUGLAS HAIG called on the C.R.A. Brigadier General GRIMWADE, C.M.G., and congratulated him and his Staff Officers on the excellence of the work carried out by the Artillery in connection with the operations.</p> <p style="text-align: right;"><i>Impress</i></p>	

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<u>STEENWERCK.</u>	10.6.17.		<p>During the period our Artillery fired on Protective Barrage Line in response to S.O.S. Signals, engaged enemy strong points, machine gun emplacements, and brought harassing fire to bear on enemy's roads, communications, and tramway and traffic centres.</p> <p>Hostile Artillery activity was mainly directed against our Front Line. Desultory shelling of captured ground has been recorded. Our Battery positions have also received attention, but little damage has been caused.</p> <p>From 5 to 7 p.m., preparatory to an attack on the POTTERIE SYSTEM, Heavy Artillery and 4.5" Hows. carried out a concentrated bombardment on LA POTTERIE Trench System. Fire appeared to be in every way effective, and extensive damage was done to the enemy's works.</p> <p>At 11 p.m. our Artillery covered an Infantry advance on LA POTTERIE system, which was captured, and strong posts established.</p> <p>AMMUNITION EXPENDED : 18-Pdr. 2077 4.5" How. 2960</p> <p>CASUALTIES. : Wounded. 1 OR 7th 9th 13</p> <p>WEATHER. : Fine. Wind East. Visibility good.</p> <p style="text-align: right;"><i>Amnell</i></p>	

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
<u>STDENWERCK.</u>	11.6.17.		<p>Our Artillery fired on enemy's troops massing at various points, and engaged enemy machine gun emplacements and strong points. Fired on Protective Barrage Line in response to S.O.S. Signals. Searching and sweeping fire was brought to bear on enemy's approaches and bridges in the back areas. Enemy's Artillery was less active during the period than during the previous 24 hours, chiefly shelling intermittently our new Front Line and support systems.</p> <p>Intimation was received that there are definite indications that the enemy contemplates withdrawing to the Line running due North from WARNETON, prisoners stating they have actually read an order embodying this withdrawal.</p> <p>AMMUNITION EXPENDED. : 18-Pdr. 6022 4.5" Hows. 3522</p> <p>CASUALTIES. : <i>Nil.</i></p> <p>WEATHER. : Showery with very bright intervals. Visibility good.</p> <p><i>3 3 2</i> <i>W - 1 2</i></p> <p><i>Impress</i></p>	

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices	
STEENWERCK	12.	6.	17.	<p>Command of Brigades under C.R.A. 3rd Australian Division passed to C.R.A. New Zealand Divl. Artillery.</p> <p>Casualties : <u>Killed</u> 1 O.R. T.M. Personnel. <u>Wounded</u> 1 O.R. T.M. Personnel.</p> <p>Weather : Fine, Wind East. Visibility Good.</p>	

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
BAILLEUL.	13. 6. 17.		3rd Australian Divisional Artillery Headquarters evacuated Headquarters at STEENWERCK, and established Headquarters at BAILLEUL. Weather : Fine. Wind Negligible. Visibility Good. Casualties : <u>Killed</u> 1 O.R. 3rd D.A.C. <u>Wounded</u> 1 O.R. 8th F.A.B. 4 O.R. 3rd D.A.C.	

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BAILLEUL.				
	<u>14. 6. 17.</u>		Weather : Fine. Wind East. Visibility Good. Casualties : <u>Wounded</u> 4 O.R. 8th F.A.B.	
	<u>15. 6. 17.</u>		Weather : Fine. Wind E.S.E. Visibility Fair. Casualties : Wounded 1 O.R. 8th F.A.B.	
	<u>16. 6. 17.</u>		Weather : Fine & Cloudy. Wind East. Visibility Fair. Casualties : Killed 1 O.R. 8th F.A.B.	
	<u>17. 6. 17.</u>		Weather : Fine. Wind E.N.E. Visibility Good. Casualties : Killed 1 O.R. 8th F.A.B. Wounded 1 O.R. 8th F.A.B. 1 O.R. 8th F.A.B.	
	<u>18. 6. 17.</u>		Weather : Cloudy. Wind S.E. Visibility Indifferent. Casualties : Killed 1 O.R. 7th F.A.B. Wounded 1 Officer 7th F.A.B.	
	<u>19. 6. 17.</u>		Weather : Heavy Rain fell throughout the day. Visibility Poor. Casualties : Killed 1 O.R. 8th F.A.B. Wounded- 3 O.R. 8th F.A.B.	

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BAILLEUL				
	<u>20. 6. 17.</u>		Weather Improving. Visibility Indifferent. Casualties : Wounded- 2 O.R. 3rd D.A.C.	
	<u>21. 6. 17.</u>		Weather : Fine. Wind East. Visibility Fair. Casualties : <i>Nil</i>	
	<u>22. 6. 17.</u>		Weather : Rain fell throughout the morning, and intermittently during the afternoon. Visibility- Poor. cas Casualties : <i>Nil</i>	
	<u>23. 6. 17.</u>		Weather : Intermittent showers. Visibility Poor. Casualties : <i>Nil</i>	
	<u>24. 6. 17.</u>		Weather : Fine. Visibility Fair. Wind E.S.E. Casualties : <i>1 OR 7th G.A.B. Killed 1 OR D.A.C. Killed Wounded. 2 O.R. 7th G.A.B. Gassed 1 OR 11th G.A.B.</i>	
	<u>25. 6. 17.</u>		Weather : <i>Shell Shock 1 OR 7th G.A.B.</i>	<i>Small.</i>

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	<u>BAILLEUL</u>							
	<u>25. 6. 17.</u>		<p>Weather : Fine. Visibility Good. Wind Light.</p> <p>Casualties : <i>Killed 1 OR 5th FA-B Wounded 1 OR 7th FA-B 4 ORs 5th FA-B</i> <i>Gassed 5 ORs 7th FA-B 3 ORs 5th FA-B</i></p> <p>Corps Commander, under authority delegated to him, has awarded the Military Medal to the undermentioned N.C.O's and Men.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><u>7th F. A. Brigade-</u></p> <p>18645 Bdr. COGLE J.K. 18727 Bdr. GUIGLEY G.M. 18400 Cpl. TULLEY A.L. 22354 Bdr. BRADLEY F. 19248 Gnr. BAKER E.G. 21916 " ANDREWS K. McK. 29601 " GEMMELL J.R.</p> </td> <td style="width: 50%; vertical-align: top;"> <p><u>8th F. A. Brigade.</u></p> <p>20112 Cpl. Watt E.J. 20106 Gnr. SCOTT C.N. 22054 Sgt. McMURRAY N. 20032 Bdr. SPERBER D.L. 20092 Gnr. MUIR A.G. 19794 " GOWANS A.T. 21992 " ARMYTAGE G.M. 20172 Cpl. GREEN W.H.</p> </td> </tr> <tr> <td style="vertical-align: top;"> <p><u>3rd D. A. C.</u></p> <p>20217 Sgt. RANSON C.G. 20871 Gnr. STEVENSON A.</p> </td> <td style="vertical-align: top;"> <p><u>Trench Mortars.</u></p> <p>20223 Sgt. FERROTTET L.F. 18753 " THOMPSON L.H. 22128 Gnr. FERGUSON R.H.</p> </td> </tr> </table>	<p><u>7th F. A. Brigade-</u></p> <p>18645 Bdr. COGLE J.K. 18727 Bdr. GUIGLEY G.M. 18400 Cpl. TULLEY A.L. 22354 Bdr. BRADLEY F. 19248 Gnr. BAKER E.G. 21916 " ANDREWS K. McK. 29601 " GEMMELL J.R.</p>	<p><u>8th F. A. Brigade.</u></p> <p>20112 Cpl. Watt E.J. 20106 Gnr. SCOTT C.N. 22054 Sgt. McMURRAY N. 20032 Bdr. SPERBER D.L. 20092 Gnr. MUIR A.G. 19794 " GOWANS A.T. 21992 " ARMYTAGE G.M. 20172 Cpl. GREEN W.H.</p>	<p><u>3rd D. A. C.</u></p> <p>20217 Sgt. RANSON C.G. 20871 Gnr. STEVENSON A.</p>	<p><u>Trench Mortars.</u></p> <p>20223 Sgt. FERROTTET L.F. 18753 " THOMPSON L.H. 22128 Gnr. FERGUSON R.H.</p>	
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<p><u>3rd D. A. C.</u></p> <p>20217 Sgt. RANSON C.G. 20871 Gnr. STEVENSON A.</p>	<p><u>Trench Mortars.</u></p> <p>20223 Sgt. FERROTTET L.F. 18753 " THOMPSON L.H. 22128 Gnr. FERGUSON R.H.</p>							
		Night 25/26th	7th & 8th A. F. A. Brigades withdrew from the Line to their Wagon Lines.					
<i>Imnell.</i>								

WAR DIARY

Army Form C. 2118.

Instructions regarding War Diaries and Intelligence Summaries are contained in F. S. Regs., Part II. and the Staff Manual respectively. Title pages will be prepared in manuscript.

or INTELLIGENCE-SUMMARY.

(Erase heading not required.)

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
BAILLEUL.				
	<u>26. 6. 17.</u>		Weather : Fine. Wind N.N.E. Visibility Fair. Casualties : Killed 1 OR 7th FAB Wounded 1 OR 7th FAB 5 OR 7th FAB Shel Shok 2 OR 7th FAB	
	<u>27. 6. 17.</u>		Weather : Cloudy. Visibility Indifferent. Wind North. Casualties : Nil	
	<u>28. 6. 17.</u>		Weather : Heavy Rain fell throughout the day. Visibility Poor. Casualties : Nil	
	<u>29. 6. 17.</u>		Weather : Fine. Visibility Improving. Wind. East. Casualties : Nil	
	<u>30. 6. 17.</u>		Weather : Showery. Visibility Indifferent. Casualties : Nil	

M. J. ...

28

SECRET

~~CONF NO~~ 14

THIRD AUSTRALIAN DIVISIONAL ARTILLERY

OPERATION ORDER NO. 22.

Reference Maps. :

- INFORMATION As per 3rd. Australian Division O.O.37.
- INTENTION. As per 3rd. Australian Division Order O.O.37.
- ARTILLERY ACTION. At ZERO hour Artillery Barrages will be put down as follows.-

(a) ADVANCING BARRAGE. 18 pounders.

The advancing barrage on the enemy's Wire and Front Trench is as shown on Map No. 2. Barrage will be put down at ZERO on wire from NORTH Boundary to ULRICA SAP and on Front Line from ULRICA SAP to the SOUTH. On lifting to the Support Line, the barrage will follow the configuration of the trench with the exception that the lift from Front Line will not be less than 100 yards.

At ZERO Plus 11, the barrage halts for 5 minutes to allow of the capture of LA DOUVE and AVENUE FARMS.

At ZERO Plus 16, the barrage again halts, and on moving on at ZERO Plus 27, it pivots about the right flank - about U.15.b.92.88., advancing on the left until it straightens at ZERO plus 45. The barrage on the left flank then halts and remains on the UNGODLY SYSTEM, while the barrage South of the DOUVE RIVER advances, and the Infantry capture GREY FARM and ULSTER RESERVE system of trenches.

AT ZERO Plus 1 hour 56, Barrage north of the RIVER DOUVE advances, and meets the barrage standing South of the RIVER DOUVE at plus 1 hour 59 minutes.

The barrage moves forward on the left until at ZERO plus 2 hours 10 minutes, the Protective Barrage is formed, averaging 300 yards east of the BLACK LINE as shown in Red on map No.2.

This protective barrage rests until plus 5 hours 30 minutes. At plus 5 hours 30 minutes, the advancing barrage of the New Zealand Division Front will advance to a time table, to a line 150 yds. East of a line joining DESPARGNE FARM (O.33.b) - point O.33.d.90.85. - Road Junction (O.33.d.8.1.) to ZAREBA, thence joining up with the BLACK LINE.

The Advance of the Barrage on the New Zealand Division front does not therefore affect the position of the BLACK LINE Protective Barrage of this Division, but at Zero plus 5 hrs. 30 mins., the rate of fire will be increased in sympathy with the New Zealand Barrage, and continue firing at a slow rate till Zero plus 6 hrs. 30 mins.

At Zero plus 6 hrs. 30 mins., the Barrage will stop, and the Artillery will be diverted on to suitable target but will be re-formed on the S.O.S. Signal.

ADVANCING BARRAGE cont.

At Zero plus 9 hrs. 30 mins. the Barrage will ^{reopen} jump on the RED line, and at Zero plus 10 hrs. will jump on the UNCANNY & UNDULATING TRENCH, where it remains until Zero plus 10 hrs. 20 min. It then lifts to UNCANNY SUPPORT & UNDULATING SUPPORT and remains until Zero plus 10 hrs. 35 min. At 10 hrs. 35 min. the Protective Barrage for the GREEN Line is formed 300 yards East of UNCANNY & UNDULATING SUPPORT.

S. O. S. ACTION.

Guns will immediately open on either the BLACK Protective Barrage line (Red one) or the GREEN Protective line (Brown one).

S.O.S. Will be operative on the BLACK Protective Barrage line from Zero plus 2 hrs. 10 min. till Zero plus 10 hours.

S.O.S. will be operative on the GREEN Protective Barrage line as follows:-

S. of the RIVER DOUVE at any time after Zero plus 2 hrs. 10 min.

(Brown line) N. of the RIVER DOUVE as soon as the Barrage reaches its final position, i.e. not before Zero plus 10 hrs. 35 min. Should, however, any part of the Barrage have reached its final position, the rate of fire of those Guns which have completed their task will be increased on signs of a hostile Counter Attack, or on receipt of S.O.S. Signal.

RATE OF FIRE

4	rds.	per Gun	per min.	for first 5 mins.
2	do	do		" next 20 "
1	do	do		after.

During the Protective Barrage for the BLACK LINE, 50% of the Advancing Barrage will search and sweep all ground to a depth of 1000 yards from the BLACK LINE.

The Guns detailed to carry out this searching and sweeping will only do so when all Guns in of the Protective Barrage in a Group are firing. Should this not be done, the Infantry may, seeing the barrage advancing, advance under it, and suddenly find it on top of them again.

On no account will the searching and sweeping guns mentioned above be employed on this work later than half-an-hour before barrage moves forward again to a Time table. The searching and sweeping mentioned above will be done under Group arrangements.

RATE OF FIRE as per Appendix (A.).

Exceptions :-

"K" Group, from Zero plus 1 hr. 3 min. onwards will fire only 1 rd, per gun per min.
 "J" Group, from Zero plus 1 hr. 3 min. to Zero plus 2 hrs. 2 mins. will fire 1rd, per Gun. per min.

Both Groups will observe the slower rates of fire where ordered in the Time table, and the times between which the Barrage ceases

(b) STANDING BARRAGE -

The Standing Barrage will open at Zero hour on the German Support trenches, and will move from objective to objective as shown in Map No. 3.

The jump off an objective will take place on an average one minute before the Advancing Barrage moves off the same objective.

This Standing Barrage will stand as a Protective

(b) STANDING BARRAGE cont.

Barrage for the BLACK LINE on the enemy's trench system UNCANNY - UNDULATING - UNCERTAIN & UNCHAINED trenches, sweeping and searching this trench system.

After Zero plus 10 hrs, the Standing Barrage N. of the RIVER DOUVE will move in sympathy with the Advancing Barrage.

TIMES - As per Map No. 3.

At Zero plus 10 hrs. 34 min. the Standing Barrage reaches its final position, and remains on that line. It ceases fire at Zero plus 11 hrs. 5 min.

RATE OF FIRE

As for Advancing Barrage except that the rate of Fire will not exceed 2 rds. per Gun per min. during the Time-table.

S.O.S. ACTION.

For S.O.S. Action, the Standing Barrage S.O.S. lines will be identical with the Advancing Barrage S.O.S. lines, and the times between which the S.O.S. is operative on the different lines is the same as for the Advancing Barrage given in (a).

The RATE OF FIRE will be-

4 rds,	per Gun per min.	for first 5 mins.
2	do do	" next 20 mins.
1	do do	after.

(c) 4.5" HOWITZER BARRAGE.

1. The 4.5" How. Barrage will be put down on selected objectives as per Map No. 4. Guns will creep up all Communication trenches, keeping 250 yards ahead of the Advancing 18-pr. Barrage. This Barrage will stand on the enemy's trench system, - UNCANNY - UNDULATING - UNCERTAIN, - UNCHAINED trenches and UNCANNY SUPPORT as far north as SEPTIEME BARR (exclusive) as shown on Map No. 4., searching this trench system until Zero plus 10 hours.
2. From Zero plus 10 hrs. to Zero plus 10 hrs. 35 min., the Barrage south of the RIVER DOUVE remains on the same objective as before, and North of the river, the Barrage will be put down on UNDULATING TRENCH from RIVER DOUVE to U.C.92.42. and on UNDULATING SUPPORT from U. 4.d.28.96. to 90.55. For S.O.S. ACTION from Zero to Zero plus 10 hrs., the How. Barrage remains on the trench system as above. From Zero plus 10 hrs. 35 min., the Barrage will be put down outside that of the Field Artillery Barrage covering the enemy's lines of approach and places where he may assemble for a Counter attack. For S.O.S. action, Barrage will remain on these lines.

RATE OF FIRE - 2 rds. per Gun. per min, with exception that during long halts on trenches or strong points fire should be slackened to a rate of 1 to $\frac{1}{2}$ (one-half) round per gun per min. During the first and last five minutes of a halt, rate of fire should be increased;-

First 15 mins. of a Protective Barrage	1 rd. per Gun.
Afterwards	1 rd. per Bty.

-4-

ACTION OF THE DEFENSIVE GROUP.

"M" Group will take part in the ~~Advancing and Standing~~ Barrages within their Zone on "Z" Day, up to the time the Protective Barrage for the BLACK LINE is formed, and will put up a smoke Barrage on UMBO ALLEY and UNCLE TRENCH (between UMBO ALLEY and ULTIMO LANE) from Zero to Zero plus 40 minutes.

After the Protective Barrage for the BLACK LINE is formed, i.e. after Zero plus 1 hr. 3 min., O.C. "K" Group will be responsible for the whole Protective Barrage for the BLACK LINE, and S.O.S. Action from the N. of "K" Group Zone to FACTORY FARM as shown by the BROWN LINE on Map No. 2.

"M" Group will render support to "K" Group when required, as follows:-

- 1 Battery 10-Prs. - Barrage UNCHAINED TRENCH from U.16.b.78.8³⁶ to U.10.d.42.15.
do - Barrage ULTRA LANE from U.16.c.38.04 to U.16.c.46.93.
do - Barrage from U.16.c.4.0. to FLATTENED FARM U.16.a.90.12.
- 1 Battery 4.5"Hows- Barrage ULTIMO RESERVE (inclusive) from FLATTENED FARM TO THATCHED COTTAGE (inclusive)

S.O.S. SIGNALS.

S.O.S. Signal will be a RED and GREEN VERY LIGHT, :

CALLS BY AEROPLANES

On the Hostile Artillery being seen to quit their trenches and advance, the Observer will send down, by Wireless, S.O.S. followed by the Zone Call. No Map co-ordinates will be given. This will constitute a request to our Artillery to put up a Barrage on their S.O.S. lines in that particular Zone.

HOSTILE RETALIATION.-

Should the enemy attempt to bombard our trenches within 30 minutes of Zero hour, the Divisional Artillery will not reply to the S.O.S. Signal, in order that there may be no danger of the Infantry mistaking our retaliatory action for the opening of the Barrage.

WATCHES.

Watches will be synchronised by an Officer from D.A.H.Q. at a date and time to be notified later.

A C K N O W L E D G E .

W.A. Nichols

He

1st June 1917.

Major R. A.
B.M.R.A. 3rd Aust. Divn.

3rd AUSTRALIAN DIVISIONAL ARTILLERY.

O. O. No. 22.

DISTRIBUTION.

Ref. Map Sheet 28 S.W.4, 1/10,000.

- | | |
|-----------------------------|--------------------------|
| 1. R. A. 2nd Anzac. | 9. Lt+Col Rabett, C.M.G. |
| 2. 3rd Aust. Divn. "G". | 10. 9th Aust. Inf. Bde. |
| 3. "I" Group. | 11. 10th do |
| 4. "J" do | 12. 11th do. |
| 5. "K" do. | 13. WAR DIARY. |
| 6. "L" do. | 14. File. |
| 7. "M" do. | 16. S.O.R.A. |
| 8. Lt)Col Stevenson, D.S.O. | 13. Lt. Md. |

APPENDIX (A)

TIME - TABLE FOR ADVANCING BARRAGE.

hrs. m.		hrs. m.				
Zero plus --	-	to Zero plus --	-	11 - 3 rds. per Gun per min		33.
"	"	11	do.	- 16 - 2	do.	10.
"	"	16	do.	- 27 - 2	do.	22
"	"	27	do.	- 39 - 2	do.	24.
"	"	39	do.	- 42 - 3	do.	9.
"	"	42	do.	- 54 - 2	do.	24.
"	"	54	do.	1 00 - 3	do.	18.
"	"	1 00	do.	1 54 - 2	do.	108.
"	"	1 54	do.	1 56 - 3	do.	6.
"	"	1 56	do.	2 10 - 2	do.	28.
"	"	2 10	do.	2 25 - 2	do.	30.
"	"	2 25	do.	2 40 - 1	do.	15.
"	"	2 40	do.	5 30 - 1 rd . per Bty. per min.		30.
"	"	5 30	do.	5 51 - 1 rd . per Gun per min.		21.
"	"	5 51	do.	6 6 - 1	do.	15.
"	"	6 6	do.	6 21 - 1	do.	15.
"	"	6 21	do.	6 30 - 1 rd . per Baty per min.		2.
"	"	6 30	STOP FIRING.			
"	"	9 30	to Zero plus 10	- 1 rd. per Gun per min.		30.
"	"	10 00	do.	10 20 - 2	do.	40.
"	"	10 20	do.	10 35 - 2	do.	30.
"	"	10 35	do.	10 38 - 2	do.	6.
"	"	10 38	do.	10 53 - 2	do.	30.
"	"	10 53	do.	11 5 - 1	do.	12.
"	"	11 5	<u>STOP FIRING</u> and lay on S.O.S. lines or fire as directed at Opportunity Targets, Zone Calls etc.			

SECRET.

B.M./S/115/136.

To,

All Recipients of 3rd Aust. Div. Arty, O.O./22.

Herewith new Time-table for Advancing Barrage. The one previously sent you is to be destroyed.

Headquarters,
2. 6. 1917.

W. J. Kelly
Major R.A.
B.M.R.A. 3rd Aust. Divn.

(S) *(5)*

⑤ June 7th 3.10 am

APPENDIX (A).

TIME-TABLE FOR ADVANCING BARRAGE.

Zero plus	hrs. m.	to Zero plus	hrs. m.	11 - 3 rds. per Gun per min.	Per Gun	
					33.	
do.	11	do.	16 - 2	do.	10	
do.	16	do.	27 - 2	do.	22	
do.	27	do.	39 - 2	do.	24	
do.	39	do.	42 - 3	do.	9	
do.	42	do.	54 - 2	do.	24	
do.	54	do.	1 00 - 3	do.	18	
do.	1 00	do.	1 20 - 2	do.	40	
do.	1 20	do.	1 54 - 1	do.	34	
do.	1 54	do.	1 56 - 3	do.	6	
do.	1 56	do.	2 10 - 2	do.	28	
do.	2 10	do.	2 25 - 2	do.	30	
do.	2 25	do.	2 40 - 1	do.	15	
do.	2 40	do.	5 30 - 1 rd. per Bty. per min.		30	
do.	5 30	do.	5 51 - 1 rd. per gun per min.		21	
do.	5 51	do.	6 6 - 1	do.	15	
do.	6 6	do.	6 21 - 1	do.	15	
do.	6 21	do.	6 30 - 1 rd. per Bty. per min.		2	
do.	6 30	STOP FIRING.				
do.	9 30	to Zero plus	10	- 1 rd. per Gun per min.	30	
do.	10 00	do.	10 20 - 2	do.	40	
do.	10 20	do.	10 35 - 2	do.	30	
do.	10 35	do.	10 53 - 2	do.	36	
do.	10 53	do.	11 5 - 1	do.	12	
do.	11 5	STOP FIRING and lay on S.O.S. Lines, or fire as directed at opportunity targets, Zone Calls etc.				

----- PRACTICE BARRAGE TABLE. -----

"U" DAY. ZERO HOUR....3.0 p.m.

*60/100 Barrage
2/6/17*

28

Nature of gun.	Time.	Task.	Ammun. rds. per gun.	Remarks.
18-pdrs.	Zero minus 15 to Zero.	Front Line trench.	15 A.	1 rd. per gun per minute.
	Zero to zero plus 2.	Front line trench.	6 A.	3 do. do.
	Zero plus 2.	Lift to Support trenches on 3rd. Australian, and New Zealand Division fronts, and reserve trenches on 25th. and 36th. Division fronts.	6 A	do. do. do.
	Zero plus 4.	Lift 100 yards.	6 A	do. do. do.
	Zero plus 6.	Lift 100 yards.	6 A	do. do. do.
	Zero plus 8.	Drop on to Front Line.	6 A	do. do. do.
	Zero plus 10.	Cease firing.		
Total			<u>45 A</u>	
4.5" Hows.) & 6" Hows.)	Zero minus 15 to Zero	Barrage points as for Zero hour	15	1 rd. per gun per minute.
	Zero to Zero plus 8.	Lift to Reserve Trenches in front of MESSINES, on 3rd. Australian, and New Zealand Division fronts, and to STERNEBEEK on the 25th. and 36th. Division fronts.	16	2 rds. do. do. (106 fuze.)
	Zero plus 8.	Drop on to Support Trenches on 3rd. Australian and New Zealand Division fronts, and Reserve trenches on 25th and 36th. Division fronts. (Total)	4 <u>35</u>	2 rds. per gun per minute.
	Zero plus 10 - Cease Fire.			
Heavy Howitzers.	Zero minus 15 to Zero	Barrage points as far as Zero Hour	8	1 rd. per gun in 2 minutes.
	Zero to Zero plus 10.	do. do. do.	<u>10</u>	1 do. gun per minute.
	Zero plus 10.		<u>18</u>	

III

APPENDIX

26

-2-

APPENDIX "D"

ARMY REHEARSAL BARRAGE TABLE

->>>-----

3rd. or 4th. June.

(Substituted for "W" Day Barrage which is cancelled.)

ZERO HOUR *3.15 p.m.*

PROGRAMME	1. Zero minus 15 to Zero	Bombardment by guns and Howitzers. 18 pdrs. front and support lines. 4.5" Hows. Support line. Heavy Artillery on selected areas and trenches. (Proportion of 106 Fuze to be used.)
	Zero to zero plus 15	Barrage according to the Time Table for "Z" Day.
	Zero plus 15.	Cease Fire.
	2. Zero minus 15 to Zero minus 13.	18 pdrs. and 4.5" Hows. will fire smoke shell only. 18 pdrs. on the offensive front will fire at the rate of 4 rounds per gun per minute, and those on the defensive front at 10 rounds per gun per minute, the latter sweeping to cover the whole defensive front. The 4.5" Hows. will fire at 3 rounds per gun per minute.
	After zero minus 13. <i>to Zero plus 15</i>	Rates of fire will be as follows :- 18 pdrs. 2 rounds per gun per minute until zero, and then 3 rounds per gun per minute until cease fire. 4.5" Hows. 2 rounds per gun per minute. 6" Hows. 1 round per gun per minute from zero minus 15 to zero plus 15. 8" Hows. do. do. do. 9.2" Hows 15 rounds a gun for the whole period. 12" Hows. 10 rounds a gun for the whole period.
	3.	Normal Counter Battery work will be carried on by the Counter Battery Group.

SECRET.

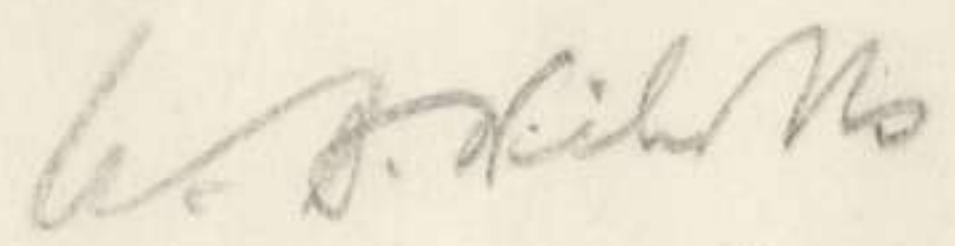
B.M./S/115/145.

To
All Recipients of 3rd Aust. Divl.Arty. O.O. No.22.

Reference 3rd Aust Divl.Arty. O.O.22.

Delete para re " S.O.S." and insert †

" S.O.S. Signal will be a Red Very Light."



Headquarters,
3.6.1917.

Major R.A.
B.M., R.A., 3rd Aust. Divn.

SECRET.

3rd. AUSTRALIAN DIVL. ARTILLERY.

B.M./S/115/168.

To
All Recipients of 3rd Aust. Divl.Arty. O.O./22.

Ref. O.O./22. Page.1.

11th Line from bottom of page should read " To WHITE SPOT COTTAGE
exclusive, and joining the BLACK LINE at U.3.d.72.73."

The above line is called the BLACK DOTTED LINE.

Please amend.

Headquarters,
5.6.1917.

White
Major R.A.
B.M., R.A., 3rd Aust. Divn.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S./115/182 .

To ALL RECIPIENTS 3rd AUST. DIVL. ARTILLERY O.O.No. 22.

To Time table for ADVANCING BARRAGE add:-

Zero plus 6 hrs 30 mins to Zero, plus 6 hrs 45 mins, - 1 rd per Bty per min.
ERASE Zero plus 6 hrs 30 mins STOP FIRING and add Zero plus 6 hrs 45 mins
Stop firing.

Zero plus 9 hours 30 mins should now read NEW ZERO minus 30 mins.
" " 10 hours---- " " " NEW ZERO.

Times from then on will read:-

New Zero		to	New Zero plus 20.
" plus 20		"	" " 35.
" " 35		"	" " 38.
" " 38		"	" " 53.
" " 53		"	" " 65.
" " 65			STOP FIRING.

Headquarters,
6. 6. 1917.

Major R. A.
B.M.R.A.3rd Aust. Divn.

APPENDIX

28

ORDER.

3rd. AUSTRALIAN DIVISIONAL ARTILLERY.

SUPPLEMENT TO 3rd. AUSTRALIAN DIVISIONAL ARTILLERY O.O./23.

3rd. Australian Divisional Artillery Operation Order No. 23, issued on 24.6.17. will stand good, with the following exceptions and additions :

Para 5.
COMMAND.

Command will pass as under :

- Batteries. - On completion of Relief, and Night.
- Groups. - 9 a.m. 4th July.
- Divisional Artillery. - 9 a.m. 4th July.

Completion of Reliefs will be wired to 3rd. D.A.H.

ADD.-

AMMUNITION. The Ammunition on charge to Batteries and Brigades will be handed over to relieving Units, and receipts obtained.

3rd. D.A.C. will take over all the ammunition in dumps from 25th. D.A.C., by 9 a.m. 4th July, and will be responsible for the supply of ammunition from that hour.

3rd. D.A.H. The office of 3rd D.A.H. will close at 215, Rue de la Gare, BAILLEUL, at 9 a.m. 4th July, and will open at HAVELBERG CAMP at the same hour.

ACKNOWLEDGE.

Headquarters,
1.7.1917.

Major R.A.
R.A., R.A., 3rd. Aust. Divn.

DISTRIBUTION : As for Operation Order No. 23.

Nights 2/3rd & 3/4th July 1917.

1 Section first night.
2 Sections second night.

UNIT	POSITION	RELIEVING UNIT	REMARKS.
H.Q. 112th Bde. R.F.A.	c. E.36.D 75.75.	H. Q. 8th Aust. F.A. Bde.	
A/112th Bty R.F.A.	O.32.c.4.6.	29th Bty, Aust. F. Arty.	
B/112th Bty "	U.1.d.9.3.	30th " " "	
C/112th Bty "	O.32.a.2.5.	31st " " "	
D/112th Bty "	O.31.a.6.3.	108th " " "	
H.Q. 110th Bde R.F.A.	F.6.c.1.6.	H.Q. 7th Aust. F.A. Bde.	
A/110th Bty R.F.A.	O.26.c.0.2.	25th Bty, Aust F. Arty.	
B/110th Bty "	O.31.c.6.9.	26th Bty, " " "	
C/110th Bty "	O.31.b.7.7.	27th Bty " " "	
D/110th Bty "	O.32.c.1.1.	107th Bty " " "	

APPENDIX

SECRET.

B.M./S/115/121.

To
All Recipients of 3rd Aust. Divl. Apty. Instructions.

Reference Table Of Special Tasks for "U" Day morning
"9 a.m. to 9.45 a.m." read : 3 p.m. to 3.45 p.m.

Watches will be synchronised at 12 noon.

Headquarters,
1.6.1917.

W. L. M.
Major R.A.
B.M., R.A., 3rd. Aust. Divn.

SECRET

B.M./S./115/124.

To all recipients of 3rd. Australian Divisional Artillery Instructions for the Attack.

Reference 3rd. Australian Divisional Artillery Instructions for the Attack.

One 18 pounder battery from "I", "J", and "M" Groups and one 8.5" Hcw. Battery from "L" Group will be detailed to answer Zone Calls.

These Batteries will be available for answering Zone Calls while forming protective barrages up to the BLACK LINE and at any time after the Black Line, but not during the actual Advancing Barrage.

Headquarters,
2.6.17.

[Handwritten Signature]
Major R.A.
B.M., R.A. 3rd. Australian Divn.

APPENDIX

SECRET.

20.

B.M./S./115/131

To all recipients of 3rd. Australian Divisional Artillery Instructions.

Reference attached correspondence. The zones as laid down in my B.M./S./115/117 dated 1.6.17. for the Corps Practice Barrage on June 2nd, will be adhered to for all practice barrages in future.

W. K. Williams

Headquarters,
2.6.17.

Major R. A.
B.M., R.A. 3rd. Australian Divn.

APPENDIX

35

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

APPENDIX "D" (Amended.)

Practice Barrages.

1. There will be two Corps Practice Barrages, one at 3.0 p.m. on the 2nd. June, and one at 2 p.m. on either 3rd. or 4th. June.
 2. There will also be an Army Rehearsal of the Barrage on the 3rd June at 3 p.m., if the weather is favorable; if not, this Barrage will take place on the 4th. June at the same hour.
 - One hour's notice will be given as to whether this Barrage will take place, or be postponed for an hour. It will not, in any case, take place after 4.0 p.m.
 3. ~~Divisional Artillery~~ ^{Group} will therefore be prepared for either the Corps Barrage or the Army Barrage on 3rd. June.
 4. The Defensive Brigade, 3rd. Australian Division will also cooperate in all the Barrages, and in any arranged by the 3rd. Australian Division.
 5. Watches will be synchronised at 12 noon.
 7. Only 75% of guns and Howitzers will be employed with the exception of the 3rd. Australian Division, who will employ the other 25% on the defensive front in addition to the Defensive Brigade, in order that the Barrage may extend down to the RIVER LYS.
 8. The Corps Practice Barrage for 2nd. June will be as shown in Practice Barrage Table for "U" day.
- The Corps Practice Barrage for 3rd. or 4th June will be as shown in Practice Barrage Table for "Y" Day.
- The Army Rehearsal Barrage Table is attached.
- "W" Day Barrage Table is cancelled.
- "V"

BOMBARDMENT OF TOWNS AND VILLAGES.

From June 2nd onwards, Towns and villages will be bombarded as follows. All guns that can be brought to bear will fire :-

<u>June 2nd.</u>	Messines.	3.0 p.m. to 3.30 p.m.	
<u>June 3rd.</u>	C. mines.	10. a.m. to 10.15. a.m.	
	Quesnoy.	7 p.m to 7.10 p.m.	
<u>June 4th.</u>	Warneton.	9.15 a.m. to 9.30 a.m.	
	Mai Cornet.	6.30 p.m. to 6.40 p.m.	
	C. mines.	9.0 p.m. to 9.15 p.m.	
<u>June 5th.</u>	C. mines.	12 noon to 12.10 p.m.	} and again after dark.
	Bas Warneton.	4.30 a.m. to 4.45 a.m.	
	La Basse Ville.	8 p.m. to 8.15 p.m.	
<u>June 6th.</u>	Mai Cornet.	7.0 a.m. to 7.10 a.m.	} and again after dark.
	C. mines. (S. of LYS.)	2 p.m. to 2.15 p.m.	
	Deulemont.	4 p.m. to 4.10 p.m.	

The tasks detailed for the 12" and 9.2" guns will take place during the 24 hours at times to be arranged by B.G.H.A.

Billets, Company Headquarters, Telephone exchanges etc., shown on Map "C" will be shelled at intervals day and night, on a scheme to be arranged by B.G.H.A.

SEPTIEME BARN and STEIGNAST FARM are both important Telephone Exchanges, and should be carefully registered before being shelled.

BLAUBENMULLEN is a very important Headquarters and Telephone exchange, and should also be carefully registered.



GENERAL PROGRAMME FOR BOMBARDMENT.

"U" DAY to "Y" DAY.

"U" DAY.

Nature of gun.

By Day.

By night.

Remarks.

18-pdrs.

Wire cutting
Shelling of approaches &
communications, dumps etc.

Prevention of repair.
Shelling of approaches
and communications.

New Zealand Divisional
Artillery co-operate in
Gas Shell Bombardment
of MESSINES (APPENDIX "E")

4.5" Hows.

Bombardment of trenches
and strong points. Blocking
Communication trenches and
trench junctions.

Blocking communication
trenches, approaches
and tramways.

"H" Group, New Zealand
Divisional Artillery
co-operate in Gas Shell
bombardment on MESSINES by
night (APPENDIX "E".)

Siege Groups.

Wire cutting, destructive
bombardment of trench system,
strong points etc.

6" Hows on C.Ts. &
approaches, dumps etc.,
outer zone. 8" and upwards
no firing.

Concentrated bombardment of
MESSINES, (APPENDIX B.1.)

Counter batteries.

Destruction of hostile
batteries. 60 pdrs. on
approaches, communications etc.

60 Pdrs. on approaches,
communications, dumps etc.,
outer zone.

Heavy Hows. co-operate in
concentrated bombardment of
MESSINES (APPENDIX B1.)

Army Group.

Bombardments of villages,
communications, approaches
and billets.

Heavy Trench
Mortars.

Bombardment of strong points,
Machine gun and trench mortar
emplacements.

Medium T.Ms.

Wire cutting.

Practice Barrage under Corps arrangements (APPENDIX "D".)
Concentrated bombardment MESSINES (APPENDIX B1.)
Gas Bombardment of MESSINES by night, (APPENDIX "E".)

APPENDIX

GAS SHELL BOMBARDMENTS

APPENDIX

AFFECTING THIS DIVISIONAL ARTILLERY.

W/X Night.

Zero hour.....12 midnight.

Period of bombardment 60 minutes only.

<u>Target.</u>	<u>No. of rounds.</u>	<u>Unit.</u>
PONT ROUGE CAMP.	3000 Gas shell.	"L" Group 3rd. Aust. Divisional Arty.
Approaches to above.	Bursts of fire (shrapnel & HE)	18-pdrs. 3rd. Aust. Divisional Arty.
PONT ROUGE BRIDGE.	do. do.	1 Section 60 Pdrs. 2nd. Anzac H.A.

X/Y Night.

Zero hour..... "Z" a.m.

Period of bombardment 60 minutes only.

<u>Target.</u>	<u>No. of rounds.</u>	<u>Unit.</u>
U.18.a.50.42. to Sugar Refinery (Dug-outs)	1800	"L" Group, 3rd. Aust. Divisional Arty.
Approaches in area.	Bursts of fire (Shrapnel & HE)	18-pdrs. 3rd. Aust. Divisional Arty.
Sugar Refinery, Bridge & Road to WARNETON.	do. do.	1 Section 60 Pdrs. 2nd. Anzac H.A.

Y/Z Night.

Zero Hour (before midnight)10 p.m.

Period of bombardment not more than 60 minutes in each case.

<u>Target.</u>	<u>No. of rounds.</u>	<u>Unit.</u>
RIVER DOUVE, Dug-outs.	1600 Gas Shell.	"L" Group, 3rd. Aust. Div. Arty.
POTTERIE FARM.	750 Gas Shell.	
Dug-outs U.10. contral to U.16.b.7.4.	1800 Gas Shell.	
Approaches to above from West.	Bursts of fire (Shrapnel & HE)	18-Pdrs.
do. from East.	do. do.	1 Sect. 60 Pdrs.

3rd. AUSTRALIAN DIVISIONAL ARTILLERY.

SPECIAL TASKS.

	"U" Day.	"V" Day.	"W" Day.	"X" Day.	"Y" Day.
MORNING.-	9.0 to 9.45 a.m. - Approaches to MESSINES from the South. <u>18-prs.</u> - Not more than 60 rds. per Battery to be used. Watches synchronised by Telephone at 8 a.m. from D.A.H.Q.				
AFTERNOON.-	Corps Barrage 3 p.m. Time-table attached.	Practice Barrage 4 pm. to be preceded by a Preliminary bombardment of about 10 to 15 mins. duration. Time-table attached.	Corps Barrage 2.30 p.m. Time-table attached.	Practice barrage 6 p.m. to be pre- ceded by a Prel- iminary bombard- ment of about 10 - 15 mins durat ion.	Corps barrage 4 pm. T. Table attached.
NIGHT.			U/X Gas Shell bombardment by "L" Group 12 midnight.	X/Y Gas Shell bombardment by "L" Group 2 am.	Y/Z Gas Shell bom- bardment by "L" Grp 9.0 pm.

Advancing 18-pr. barrage will be composed of Shrapnel, 75% on Graze.

"M" Group will take part in all Practice Barrages.

APPENDIX

TASKS.

- "V" DAY. As for "U" day. O.Ps., Headquarters and Telephone exchanges to be bombarded from this date. Practice of barrage under Divisional arrangements. Concentrated bombardment of WYTSCHAETE.
- "W" DAY. As for "V" day. No special bombardment. Practice of bombardment under Corps arrangements. Gas Shell bombardment by 3rd. Australian Divisional Artillery. All wire to be cut should have been dealt with by W/X night.
- "X" DAY. As for "W" day. Practice of barrage under Divisional arrangements. Concentrated bombardments of Heavy Artillery on strong points, trenches etc. which Divisions consider have not been sufficiently dealt with. Gas Shell bombardment by 3rd. Australian Divisional Artillery, and 25th. Divisional Artillery.
- "Y" DAY. As for "X" day. Practice of barrage under Corps arrangements. Bombardment of MESSINES and trenches just West of it. Gas Shell bombardment by 3rd. Australian Divisional Artillery and Heavy Artillery.

Heavy Artillery Bombardments of WERVICQ, COMINES, MENIN, DEULEMONT, WARNETON, BAS WARNETON, during these days.

~~The amounts of Gas Shell to be expended work out as follows.~~

	Bombardments.	C.B.Work "Z" Day.	Total.
A. Aust. Divn :	<u>8950</u>	<u>972</u>	<u>9922</u>

CODE WORDS.

The code words as for "Z" day Gas Bombardment will be sent out before each bombardment at 1 hour before Zero.

(a) If wind is between 0 and 7 miles per hour, following code word will be wired from D.A.H.Q. 3rd. Aust. Divn. :-

GLASGOW.

(b) If wind is between 7 and 12 miles per hour, following Code word will be wired from D.A.H.Q. 3rd. Aust. Divn.:-

LONDON.

(c) If the wind is over 12 miles per hour, the following code word will be wired from D.A.H.Q.:-

HAVANT.

AMMUNITION TABLE.
(All figures are in rounds per gun.)

Nature of gun.	"A" Ammunition. at guns on "U" day.	"D" Ammunition at guns at midnight Y/Z.	"E" Estimated ex- penditure "Z" day,	"F" Ammunition at guns midnight Z/A.	"G" Ammunition at guns midnight A/B.
18-Pdr.	1300	1050	550	500	250
4.5" How.	1100	930	350	580	180
60 Pdr.	1000	430	250	200	140
6" How.	1100	545	225	320	160
8" How.Gun.	500	220	100	120	60
8" How.	650	350	150	200	100
9.2" How.	650	350	150	200	100
9.2" Gun.	120	60	20	40	20
12" How.	350	175	75	100	50
12" Gun.	100	65	25	40	20
15" How.	150	90	50	40	20

It is essential that these amounts are adhered to as closely as possible.

---- PRACTICE BARRAGE TABLE. ----

"V" Day ZERO HOUR...4 p.m.

Netto of gun.	Time.	Task.	Ammunition per gun.	Remarks.
18-Pdr.	Zero minus 10m. to Zero.	Front Line.	10	1 rd. per gun per min.
	Zero to Zero plus 3m.	Form 16 - 27 barrage.	6	2 do. do.
	Zero plus 3 to Zero plus 5.	Drop back to 9-11 Line.	4	2 do. do.
	Zero plus 5 to Zero plus 7.	Form 39 - 42 Line.	4	1 do. do.
	Zero plus 7.	CEASE FIRE.		
5" Hows.	Zero minus 10m. to Zero.	Barrage as for Zero to plus 5.	10	1 do. do.
	Zero to Zero plus 4.	Lift to " 5' to 30' " Objectives.	8	2 do. do.
	Zero plus 4 to Zero plus 7.	Drop to Support Line.	3	1 do. do.

"M" GROUP will conform to this barrage, prolonging it on the Right ^{as} far South as UMBO DRIVE.

APPENDIX

-((PRACTICE BARRAGE TABLE.))-

"W" Day. Zero hour...2.30 p.m.

Nature of Gun.	Time.	Task.	Ammunition rounds per Gun.	Remarks.
18 Pounders.	Zero minus 10 to Zero.	3rd Australian & New Zealand Divisions, Support Trenches. 25th & 36th Division Reserve Trenches.	10 A.	1 Round per Gun per min.
	Zero.	Lift 100 Yards.	9 A	3 Rounds per Gun per min.
	Zero plus 3.	Lift 200 do	9 A	do do
	Zero plus 6.	Lift 100 do	9 A	do do
	Zero plus 9.	Drop to front line.	6 A	do do
	Zero plus 11.	CEASE FIRE.		
			<hr/> 43 A <hr/>	
ALL HOWITZERS.	Zero plus 10, to Zero plus 11.	3rd Australian & New Zealand Divisions, Reserve Trenches in front of MESSINES. 25th & 36th Divisions STEENE BEEK.	21 A	1 Round per Gun per min. (A proportion of 106 Fuzes to be used).
	Zero plus 11.	CEASE FIRE.		

APPENDIX

---- PRACTICE BARRAGE TABLE. ----

"K" DAY - ZERO HOUR.....6.0 p.m.

Nature of gun.	Time	Task.	Ammun. per gun.	Remarks.
18-Pdrs.	Zero minus 10m. to Zero minus 5 m.	Support Line.	10	2 rds. per gun per min.
	Zero minus 5m. to Zero minus 3 m.	Lift to " 9 - 11 " Line.	4	2 do. do.
	Zero minus 3 min. to Zero.	Lift to " 45 - 57 " Line.	3	1 do. do.
	Zero to Zero plus 5 m.	Front Line.	5	1 do. do.
4.5" Hows.	Zero minus 10m. to Zero minus 5m.	" 39 - 42 " Objectives.	10	2 rds. per gun per min.
	Zero minus 5m. to Zero minus 3m.	Drop to " 5 - 33 " do.	2	1 do. do.
	Zero minus 3m. to Zero plus 3m.	" 0 - 5 " Objectives.	6	1 do. do.

"M" GROUP will conform to this Barrage prolonging it on the Right as far S. as UMBO DRIVE.

APPENDIX

----- PRACTICE BARRAGE TABLE. -----

"Y" DAY, - Zero Hour...4.0 p.m.

Nature of Gun.	Time.	Task.	Ammunition rounds per.gun.	Remarks.
14 Pdrs.	Zero minus 10 to Zero.	Front Line. Lift off front line and commence advancing at lifts of 100 yards every two minutes up to the Protective Barrage line marked (16-27) on the Barrage Map for the 3rd Australian, and New Zealand Divisions, and to the (12-16) line for the 25th and 36th Divisions, and remain on these lines until Zero plus 12.	20 A.	2 rounds per Gun per min.
			36 A.	3 do do.
	Zero plus 12.	Drop on to Support trench on 3rd Australian and New Zealand Division fronts, and Reserve Trench on 25th & 36th Division fronts.	<u>6 A.</u>	3 do do.
			<u>62 A.</u>	
ALL HOWITZERS.	Zero minus 10 to Zero plus 14.	Reserve Trenches in front of MESSINES on 3rd Australian & New Zealand Division fronts, and STEENE BEEK on 25th & 36th Division fronts.	24	1 Round per Gun per min. (A proportion of 106 Fuze to be used).

APPENDIX

SECRET.

B.M./S/115/137.

To

3rd Aust. Divn. "G".
 52nd. H.A. Group.
 6th. Balloon Coy.
 GROUPS.
 9th. Aust. Inf. Bde.
 10th. " " "
 11th. " " "
 D.F.M.O.

The following bombardments will be carried
 out by 4.5" Hows. to-morrow, 3rd instant :-

"L" GROUP.

P.L. & Wire, from H of ULSTER TRENCH to I of UMBRIA TRENCH.	800
--	-----

"M" GROUP.

ULTRA TRENCH & Wire.	250
UMBRIA TRENCH & Wire.	100

Headquarters,
 2.6.1917.

Major R.A.
 B.M.R.A., 3rd Aust. Divn.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S/115/146.

To
All Recipients of my B.M./S/115/138.

Reference my B.M./S/115/138 dated 2nd June. This
communication is now cancelled. Please destroy.

S.O.S. remains as before.

Headq uarters.
3.6.1917.

Major R.A.
B.M., R.A., 3rd Aust. Divn.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S/115/163.

2nd. Anzac. R.A.
 3rd. Aust. Divn. "G".
 C.B.S.O. H.A.
 2nd. Anzac H.A.
 57th. Divl. Artillery.
 N.Z. Divl. Artillery.
 GROUPS.
 D.T.M.O.
 9th. Aust. Inf. Bde.
 10th. " " "
 11th. " " "
 Lt-Col. Rabett. C.M.G.
 Lt-Col. Stevenson. D.S.O.
 Major Richards.

Patrols will enter the enemy's trenches to-morrow night, 5th/6th instant, under cover of a bombardment. Time-table as follows :

	Total
<u>18-Pdrs.</u> Zero to Zero plus 3m.	- Barrage German F.L. - 3 rds. per gun per min. - 9
Zero plus 3 to Zero plus 5m.	- Barrage German S.L. 2 rds. per gun per min. - 4
Zero plus 5m to Zero plus 7m.	- Lift 100 yds. 2 rds. per gun per min - 4
Zero plus 7m to Zero plus 20m.	- Lift 100 yds. 2 rds. per gun per min. - 26
Zero plus 20.	- Cease Fire.

"M" Group will not take part.

75% of all guns will be employed, and on the Offensive Front only.

<u>4.5" Haws.</u> - Zero to Zero plus 5m.	- Bombard Reserve Line, 2 rds. per gun per min.
Zero plus 5m. to Zero plus 20-	ds. 1 rd. per gun per min.
Zero plus 20m.	- Cease Fire.

2nd Anzac H.A. have been asked to assist with Counter Battery work, from Zero to Zero plus 30.

ZERO HOUR 9.30 p.m.

ACKNOWLEDGE.

4.6.17.

W. B. Richards

Major R.A.
 B.M., R.A., 3rd. Aust. Divn.

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THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./3/115/164.

To

3rd Aust Divn. "G".
52nd H. A. Group.
6th Balloon Coy.
Major Richards.
Groups.
9th, 10th, 11th Inf. Bdes.
D.T.M.O.

Following is a Bombardment to be carried out tomorrow
5th inst., by "L" Group 4.5" Hows. on WIRE.

ULTIMO TRENCH - U of ULTIMO to southern offensive boundary.

All available 106 fuzes to be used, and as many
more rounds as are necessary to remove the Wire.

The Ranging Officer from "L" Group to report before
9.a.m. 5th. inst. to C.O. "K" Group, who will detail an Officer to
accompany, and point out to Howitzer Officer exactly what is required
and make a report to this Office upon the result.



Headquarters,
4. 6. 1917.

Major R. A.
B.M.R.A. 3rd Aust. Divn.

SECRET.

B.M./S/115/165.

3rd. AUSTRALIAN DIVISIONAL ARTILLERY.

To
All Recipients of 3rd Aust.Divl.Artillery Instructions.

ARMY REHEARSAL OF THE BARRAGE.

1. There will be another Army Rehearsal of the Barrage to-morrow 5th. June.
2. Zero Hour will be at 3 p.m., and the barrage will last for ten minutes.
3. There will be no preliminary bombardment.
4. The Programme will be as for "Z" Day up to Zero plus 10 mins.
5. Rates of fire -

18 pounders	...	3 rds. a gun a minute.
4.5" Hows.	...	2 rds. a gun a minute.
6" Hows.	...	1½ rds. a gun a minute.
8" Hows.)		
9.2" ")	...	1 rd. a gun a minute.
12" Hows.)		
15" ")	...	1 rd. a gun in three minutes. MESSINES.
6. Smoke will not be used.
7. B.Gs. R.A. will ensure that there is an overlap with the Divisions on either side, so that no gap is left in the barrage.
8. The 57th Divl. Artillery will co-operate as before B.G., R.A., 3rd Australian Divn. will arrange for the synchronisation of watches of the 57th. Divisional Artillery.
9. Counter Battery work will be as for the previous Rehearsal. The Intelligence Officers Heavy Artillery will be at the aerodrome with their maps ready to meet the Observers when they land.
10. Aeroplanes will be required to observe, and photographs will be taken.
11. A special Officer will be detailed by each Divl. Artillery to report on the Barrage and on the hostile fire, the time at which the enemy opened fire to be carefully taken. Reports will be sent to R.A. 2nd. ANZAC with the Daily Fire Report.
12. All guns & howitzers will take part with the exception of forward silent batteries and guns on HILL 63.

With reference to the above, the Zones as laid down in my B.M./S/115/117 for the rehearsal of the Army Barrage on June 3rd will remain the same. 100% of guns to be used.

Guns operating on the Defensive Front will remain on German Front Line from Zero to Zero plus 5 mins; Support Line from Zero plus 5 mins to Zero plus 9 mins, and lift 100 yds at Zero plus 9 mins. to Zero plus 10 mins. Plus 10 mins.- Cease fire.

Headquarters,
4.6.1917.

W. D. Nicholls
Major R.A.
B.M., R.A., 3rd Aust. Divn.

SECRET.

B.M./S/115/166.

To
All Recipients of 3rd Aust. Divl.Arty Instructions.

To-morrow's Programme will be ~~the~~ as for "X" Day as regards
Field Artillery.

Army Rehearsal Barrage - 3 p.m.

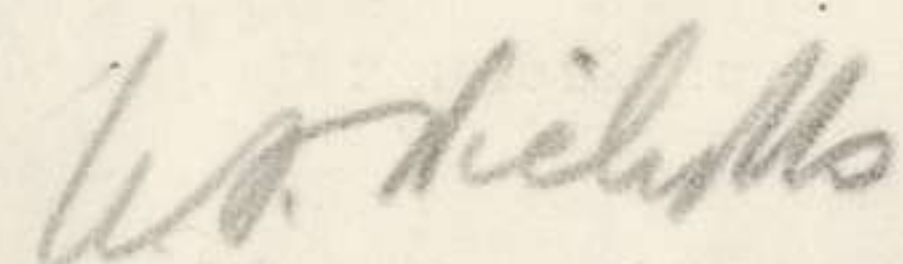
Gas Bombardment by 25th & 3rd Aust. Divl.Artileries
during nights 5th/6th.

Heavy Artillery.

Intense Counter Battery Work will take precedence to
trench bombardments, every available Heavy Howitzer being placed
at the disposal of the C.B.S.O., except for the period of the
Army Rehearsal.

When not engaged on Counter Battery Work, these Howitzers
will be used for Trench Bombardment.

Headquarters,
4.6.1917.



Major R.A.
B.M., R A., 3rd Aust Divn.

SECRET.

3rd. AUSTRALIAN DIVISIONAL ARTILLERY.

ARTILLERY INSTRUCTIONS FOR THE ATTACK No.2.GENERAL.Alteration
to Zero plus
10 hours.

1. The time Zero plus 10 hrs., or 600' is now cancelled, and a new Zero hour will be given for the advance of the 3rd. & 4th. Australian Divisions from the BLACK DOTTED LINE to the GREEN LINE.

The Barrage shown as commencing at 9 hrs.30 mins. and lifting at 10 hours should now read minus 30' to "New Zero". After that the barrage lines will read 0 - 3, 3 - 5, 5 - 9 and so on.
Barrage Maps will be altered accordingly.

BARRAGE BOUNDARIES.

2. The Boundaries between Divisions for the Barrage beyond the BLACK DOTTED LINE, i.e., the line joining DESPARGNE FARM (O.33.b.) - point O.33.d.90.85 - Road Junction to WHITE SPOT COTTAGE (exclusive) and joining the BLACK LINE at U.3.d.72.73., are as follows :-

3rd Australian Division & New Zealand Division.

Line joining U.8.b.00.36 with U.4.a.37.57. to where this line meets HUNS' WALK, along HUNS' WALK to UNCANNY SUPPORT, thence along dotted track commencing at U.4.b.15.70.

All Boundaries will be inclusive to both Divisions.

Barrage Maps will be altered accordingly.

"I" Group will therefore be responsible for the Protective Barrage up to U.4.b.74.70.

W. D. Nichols

Headquarters,
5.6.1917.

Major R.A.
E.M., R.A., 3rd. Aust. Divn.

NOTE : Road Junction mentioned in para 2 above, is at O.33.d.8.1.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S/115/170.

To

ALL RECIPIENTS OF 3rd AUSTRALIAN DIVISIONAL ARTILLERY INSTRUCTIONS:

From now onwards, the rate of Fire at Communications, Approaches, Cross Roads etc. will be doubled for the 24 hours.

It is absolutely essential that all enemy movement for the provision of supplies to the front line is stopped as far as it is possible. At present supplies are being brought through apparently with ease.

Prisoners report that the Communication trenches are blocked, and that Supplies and re-inforcements are brought over land. Group Commanders will therefore search the whole of the country within their Zones.

The above does not necessarily mean that the number of rounds on each of the targets is to be doubled, but that the number of targets and tracks taken on is to be doubled.

Headquarters,
5. 6. 1917.



Major R. A.
B.M., R.A., 3rd Aust. Divn.

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THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S/115/172.

To

All Recipients of 3rd Aust. Divl. Arty. Instructions.
Chemical Advisor, II A.H.2.A.C.

The Bombardment which was to have been carried out
by "L" Group, 3rd Aust Divl. Artillery, with Gas Shells, on night
5th/6th June, is cancelled, owing to the Ammunition Dump having
been destroyed by Hostile Fire.

Headquarters,
5.6.1917.

W. H. Smith
Major R.A.
B.M., R.A., 3rd. Aust. Divn.

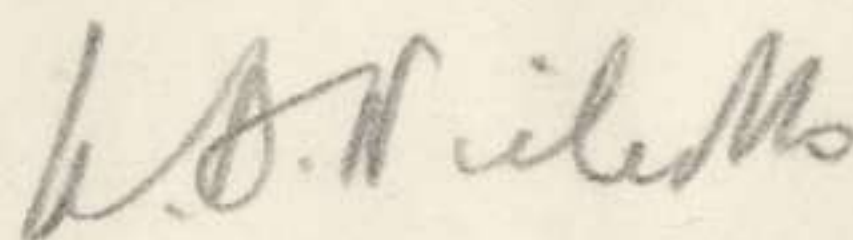
THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S/115/174.

To
All Recipients of 3rd Aust. Divl.Arty. Instructions Nos.6 & 18.

The Location of "J" Group Headquarters is amended to
read : T.21.b.28.33.



Headquarters,
5.6.1917.

Major.
For B.M.,R.A., 3rd Aust. Divn.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

B.M./S/115/177.

To

3rd Aust. Divn. "G".
52nd H. A. Group.
No. 6 Balloon Coy.
Major Richards
GROUPS.
9th, 10th, 11th, 12th, Inf. Bdes.
D.F.M.C.

The following bombardments will be carried out by
4.5" Hows. tomorrow, 6th Inst:-

"L" Group.-

	Rounds
Concentration on LA DOUVE RIVER, U.S.G.4.9. to U.S. central, including small Wood.	1500.
Cut wire from Q in ULTIMO TRENCH to PLATTENED ROAD with 106 and Direct action fuses.	2000.
Rectangle.- AVENUE FARM - LA DOUVE FAISE - ULRICA ROW - ULRICA TRENCH to A of ULRICA	3000.

Headquarters
5. 6. 1917.

W. B. Nicholls
Major R. A.
B.M.R.A. 3rd Aust. Divn.

28

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

Y

SECRET.

B.M./S/115/178.

To

ALL RECIPIENTS 3rd AUSTRALIAN DIVISIONAL ARTILLERY INSTRUCTIONS:-

Tomorrows programme will be as for "Y" Day.

There will be no Corps Practice Barrage.

Intense Counter-Battery Work as for today.

Bombardment of the most important trenches and Machine
Gun Emplacements still remaining, also any Wire still
uncut.

W. J. Hill

Headquarters,
5. 6. 1917.

Major R.A.
B.M.R.A. 3rd Aust. Divn.

SECRET.

3rd. AUSTRALIAN DIVISIONAL ARTILLERY.

ARTILLERY INSTRUCTIONS FOR THE ATTACK - No.3.

Barraging Approaches. 1. From Z/A night(inclusive), the barraging of all roads and approaches will continue as at present.

Groups will be responsible for all Roads and approaches in their own areas as far East as the WARNETON - OOSTTAVERNE ROAD(inclusive), and the Heavy Artillery for all roads and approaches East of this Road(inclusive).

All Bridges over the RIVER LYS and the COMINES CANAL will be picketed by 60 pdrs. as at present.

Ammunition. 2. The estimated expenditure of ammunition for "C" and "D" days is on the 150 Scale shewn below : This expenditure is, of course, subject to alteration due to the tactical situation :-

<u>18-Pr.</u>	<u>4.5"</u>	<u>60pr.</u>	<u>6" How.</u>	<u>8"</u>	<u>9.2" How.</u>	<u>12" How.</u>	<u>15" How.</u>	<u>6" Gun.</u>
150	110	110	110	80	80	40	25	65.

Headquarters,
6.6.1917.

W. S. Kildes
Major R.A.
B.M., R.A., 3rd Aust. Divn.

APPENDIX

28

SECRET.

COPY NO. 21.....

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

M.O. ADMINISTRATIVE CIRCULAR NO. 5.

Headquarters,
1st June, 1917.

1. ORDNANCE SUPPLY.

- 1. Railhead. - STEENWERCK.
- 2. Ordnance Dumps.

Main Dump - Rue de La Gare, STEENWERCK.

Advanced Armourer's Shop - Sheet 36 N.W.
B.23.0.05.15. at Divisional Pack
Transport Lines.

- 3. A Gun Park has been formed in the Corps Area so that damaged equipment can be replaced with a minimum of delay.
The Gun Park contains 18-pdrs., 4.5" Howitzers, 2" Trench Mortars, and spare parts to maintain guns in action.
- 4. All present outstanding demands by Units on base for spare parts are cancelled. A consolidated demand to cover these requirements will be sent to Gun Park by D.A.D.O.S.
- 5. Stores demanded as first issue to complete Mobilisation Store Table will be shown separately from those required to replace casualties.
- 6. Guns and Carriages, and their technical vehicles, will not be indented for until those they are to replace have been condemned by an I.O.M.
- 7. Condemnation of guns, howitzers, and their technical vehicles, will be wired to D.A.D.O.S. by I.O.M. who will demand for the Unit.
- 8. On receipt of instructions to draw a gun, howitzer or technical vehicle, arrangements will be made by D.A.D.O.S. to draw from Gun Park, and the condemned gun, howitzer, or vehicle will be handed over to I.O.M. of Workshop. The Unit will be notified by wire.
- 9. Unless demanded, accessories and spares will not be sent, and any required must, therefore, be specified, i.e. - "with B.M." - "With sights" - "With tripod".
- 10. For all guns and howitzers, the registered number of gun or carriage to be replaced should be stated.
- 11. "Shell-fire"
"Lost"
"Wear", "Scoring" or
"Wear & Scoring"
"Condemned" { to cover casualties by the enemy
to cover losses to the enemy.)
for guns only.
to include all ordinary condem-
nation of carriages, technical
vehicles, mortars, Vickers and
Lewis Guns.
- 12. To avoid delay in demanding stores, correct vocabulary nomenclature must be given.

[Handwritten signature]

- 2 -

2. SALVAGE. 1. Personnel.

(a) Captain J. WALLEY, Divisional Salvage Officer, will supervise Salvage work in the Divisional Area. His Headquarters will be at Divisional Salvage Dump (B.15.d.7.2. Sheet 36 N.W.).

(b) Locations of Dumps:-

No. 1. Main Dump - U.19.6.9.9.
Main Divisional Dump - B.15.d.7.2.

2. Transport.

All empty vehicles returning to Supply Refilling Points will be used for carrying salvage from Advanced to Main Divisional Dump. The removal of Salvage from Divisional Dumps to Corps Dump, and supply Railhead will be arranged by the Officer Commanding Corps Salvage Coy.

3. Dismantling Trenches.

The existing defensive system will not be dismantled, nor will any stores required for defensive purposes be removed, until orders on the point are given by Divisional Headquarters.

4. Ammunition.

(a) Ammunition which is perfectly "safe" to travel, will be returned to railhead on returning trucks. That which is in any way doubtful will be buried.

(b) Safety precautions in dealing with German Artillery ammunition are given in Appendix 1.

3. ACKNOWLEDGE.

J. M. Irwin

Captain,
Staff Captain R.A.,
3rd Australian Division.

DISTRIBUTION:-

Issued at *3rd Aust. Div.*

Copy No. 1	3rd Aust. Division "Q".	16-17	3rd Divl. Armm. Colmn.
2	Staff Capt., R.A. 2nd Anzac.	18	3rd D.T.M.O.
3	B.M. R.A.; 3rd Aust. Divsn.	19	4th D.T.M.O.
4 - 5	"I" Group.	20	File
6 - 7	"J" Group.	21	War Diary.
8-9	"K" Group.	22-25	Spare.
10 -11	"L" Group.		
12 -13	"M" Group.		
14	12th (Army) A.F.A.Bgde.		
15	38th (Army) Brigade R.F.A.		

APPENDIX 1.SAFETY PRECAUTIONS IN DEALING WITH GERMAN ARTILLERY
AMMUNITION

1. The safety arrangements of German fuzes are:-
 - (a) Safety pins, in most types, but not in all.
 - (b) Pellets of compressed gunpowder which lock the mechanism of the fuze until burnt away by ignition on discharge, or until softened by moisture.
 - (c) Centrifugal bolts.
 - (d) Shearing pins.
2. If the fuze of a shell is meant to have a safety pin and the safety pin is missing, the shell must be handled with great care, as if dropped it may explode.
3. Almost all German fuzes are made with "blow off" discs. These are small patches of thin metal of various shapes, fastened to the outside of the fuze and covered over with wax. If a blow off disc is either missing or damaged, or, if the wax round the safety pin is broken, moisture has access to the gunpowder safety pellets in the fuze. This fact will be confirmed if, on withdrawing the safety pin partially, the latter is seen to be rusty. A shell with a fuze in this condition may explode if dropped and must be handled with great care.
4. Shell in the conditions indicated in 2 and 3 above are not safe to fire or travel and should be destroyed.
5. Shell with fuzes in which the blow-off discs are correct, and (in cases where the fuzes are of the safety pin type) the safety pins are in position and free from rust, may be looked upon as safe to travel, but should be handled carefully, and steps should be taken to prevent the safety pins shaking out in travelling, by tying them with string. Such ammunition should be sent to the Base if not used against the enemy.
6. The above remarks as to fuzed shell apply equally to loose fuzes.
7. Plugged shell and separate cartridges may be treated in the same way as those used in our service.
8. Gas shell should be stored standing with the fuze uppermost so that in case of leakage the liquid contents may not reach the safety powder pellet of the fuze. Any shell from which liquid is exuding or which has a distinct smell, should be handled with care and only by men wearing respirators.
9. To dispose of leakage gas shell they should be buried in the ground at least $3\frac{1}{2}$ feet deep. A layer of lime placed over the shell before filling in the earth aids in neutralising the chemicals. Leaking shells should not be thrown into the water on account of the danger of poisoning the latter.
10. This information should be made known to all ranks.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY
INTELLIGENCE SUMMARY

From 12 noon 31.5.17. to 12 noon 1.6.17.

OUR OPERATIONS
(ARTILLERY.)

During the ~~the~~ ^{period} the following bombardments were carried out by 4.5" Hows.

TARGET	ROUNDS	EFFECT.
ULSTERS SWITCH U.15.b.21.80. - U.9.d.20.17.	300	Effective.
LA DOUVE RIVER U.9.a.55.39. - b.48.88.	200	Timber and debris thrown up.
ULRICA LANE U.9.a.60.03. - b.4.1.	200	do.
ULRICA AVENUE U.9.c.55.75. - b.12.70.	100	Successful shoot.
ULTIMO ROW U.16.a.00.65. - 6.9.	300	Timber thrown up.

During the period 18 pounders fired 6000 rounds on targets previously bombarded, and on roads communications etc.

TRENCH MORTARS.

	TARGET	ROUNDS	EFFECT.
H.T.M.	U.15.b.75.10. - d.82.73	50	Apparently very good.
	U.15.b.3.5. - 75.10.	27	
	U.8.d.6.9. - 93.70. & ULRICA ROW.	60	
	F. & S Lines in U.9.c. and U.15.a.	120	
M.T.M.	U.15.d.85.80. -	60	Wire thinned out.
	U.15.b.50.45.		
	U.15.a.91.60 - 55.75.	144	Little wire left.
	U.8.d.32.91.	136	Wire badly damaged.
	U.8.d.68.90.	106	do.
	U.8.d.72.80.- 70.83.	58	Good gaps.
	U.15.a.60.75.	225	Gap out 30 yards.
	U.9.c.0.6. - 2.4.	360	Wire badly damaged.
U.15.a.85.60 -			
U.15.b.20.55.	288	do.	

HOSTILE FIRE.

During the period the enemy heavily shelled T.17. with 15 cm and 10.5 cm. A number of Gas Shell were used by the enemy during this bombardment. 400 rounds of ammunition were blown up in vicinity of I.2. and I.3. battery positions.

During the night Hostile Artillery fire was directed against targets in T.23.a. and b. and T.24.a.c. and d. A number of these rounds fell in the vicinity of 31st Battery position, causing an ammunition dump to explode and destroying a number of rounds. 210 rounds 10.5 cm were fired during this series. Our trenches in U.8., U.21.d. & U.27.b. also received attention.

P.F.O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY Page 2.

INTELLIGENCE.

Enemy Defences.

18 pounders fired 10 rounds on an enemy working party at U.4. d.60.70. - Dispersed. -

Aircraft.

During the period enemy's aeroplanes showed increased activity.

At 9.10 p.m. a hostile aeroplane attacked one of our observation balloons which was brought down in flames. The Observers made successful parachute descents.

During the period an enemy observation balloon 97 deg T.B. from T.24.a.59.08. was apparently directing the fire of the enemy against 29th, 30th, and 31st, Battery positions.

Headquarters,
1.6.17.

A.H. Chouley

Lieutenant.
Intelligence Officer.
3rd. Australian Divisional Artillery.

REPORT	HOURS	TARGET	REMARKS
Wire cut	00	U.12.2.33.00	
Wire badly damaged	01	U.12.2.31.00 - 35.35	
Wire badly damaged	02	U.12.2.31.00	
Wire badly damaged	03	U.12.2.31.00	
Wire badly damaged	04	U.12.2.31.00	
Wire badly damaged	05	U.12.2.31.00	
Wire badly damaged	06	U.12.2.31.00	
Wire badly damaged	07	U.12.2.31.00	
Wire badly damaged	08	U.12.2.31.00	
Wire badly damaged	09	U.12.2.31.00	
Wire badly damaged	10	U.12.2.31.00	
Wire badly damaged	11	U.12.2.31.00	
Wire badly damaged	12	U.12.2.31.00	
Wire badly damaged	13	U.12.2.31.00	
Wire badly damaged	14	U.12.2.31.00	
Wire badly damaged	15	U.12.2.31.00	
Wire badly damaged	16	U.12.2.31.00	
Wire badly damaged	17	U.12.2.31.00	
Wire badly damaged	18	U.12.2.31.00	
Wire badly damaged	19	U.12.2.31.00	
Wire badly damaged	20	U.12.2.31.00	
Wire badly damaged	21	U.12.2.31.00	
Wire badly damaged	22	U.12.2.31.00	
Wire badly damaged	23	U.12.2.31.00	
Wire badly damaged	24	U.12.2.31.00	
Wire badly damaged	25	U.12.2.31.00	
Wire badly damaged	26	U.12.2.31.00	
Wire badly damaged	27	U.12.2.31.00	
Wire badly damaged	28	U.12.2.31.00	
Wire badly damaged	29	U.12.2.31.00	
Wire badly damaged	30	U.12.2.31.00	
Wire badly damaged	31	U.12.2.31.00	
Wire badly damaged	32	U.12.2.31.00	
Wire badly damaged	33	U.12.2.31.00	
Wire badly damaged	34	U.12.2.31.00	
Wire badly damaged	35	U.12.2.31.00	
Wire badly damaged	36	U.12.2.31.00	
Wire badly damaged	37	U.12.2.31.00	
Wire badly damaged	38	U.12.2.31.00	
Wire badly damaged	39	U.12.2.31.00	
Wire badly damaged	40	U.12.2.31.00	
Wire badly damaged	41	U.12.2.31.00	
Wire badly damaged	42	U.12.2.31.00	
Wire badly damaged	43	U.12.2.31.00	
Wire badly damaged	44	U.12.2.31.00	
Wire badly damaged	45	U.12.2.31.00	
Wire badly damaged	46	U.12.2.31.00	
Wire badly damaged	47	U.12.2.31.00	
Wire badly damaged	48	U.12.2.31.00	
Wire badly damaged	49	U.12.2.31.00	
Wire badly damaged	50	U.12.2.31.00	
Wire badly damaged	51	U.12.2.31.00	
Wire badly damaged	52	U.12.2.31.00	
Wire badly damaged	53	U.12.2.31.00	
Wire badly damaged	54	U.12.2.31.00	
Wire badly damaged	55	U.12.2.31.00	
Wire badly damaged	56	U.12.2.31.00	
Wire badly damaged	57	U.12.2.31.00	
Wire badly damaged	58	U.12.2.31.00	
Wire badly damaged	59	U.12.2.31.00	
Wire badly damaged	60	U.12.2.31.00	

During the period the enemy heavily shelled T.17. with 18 lb and 10.5 cm. A number of gas shells were used by the enemy during this bombardment. 600 rounds of ammunition were blown up in vicinity of I.3. and I.8. Battery positions. During the night hostile Artillery fire was directed against targets in T.24.a. and T.24.a. and a number of these rounds fell in the vicinity of I.3. Battery position. A number of gas shells were exploded and gas was seen in number of places. 210 rounds of 18 lb were fired during this period. Our trenches in U.8. U.12.2.31.00 also received attention.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

From 12 noon 1.6.17. to 12 noon 2.6.17.

OUR OPERATIONS (ARTILLERY.)

During the period the following bombardments were carried out by 4.5" Hows.

Table with 3 columns: TARGET, ROUNDS, EFFECT. Includes entries for Junction ULTIMO ROW, S.L. and Wire between F.L. and S.L. in U.15.a., S.L. and Wire between F.L. and S.L. in U.15.b., LA DOUVE VALLEY U.9.a., N. ULSTER AVENUE U.9.c., S.L. and Wire in ULMA SUPPORT.

During the period 18 pdrs. fired 5,500 rounds on targets previously/ and on roads communications etc.

TRENCH MORTARS.

Table with 3 columns: TARGET, ROUNDS, EFFECT. Includes entries for H.T.M. F. & S. Lines in U.9.c. & U.15.a., U.15.b.75.10., U.15.d.C2.73., U.15.a.90.61., U.15.b.30.50., U.9.c.30.07., U.8.d.60.99. - 93.70., U.9.c.03.52. - U.15.a.27.95., M.P.M. U.15.a.85.82. - U.15.b.60.20., U.15.a.50.75.- 80.68., U.15.b.55.35., Banks LA DOUVE RIVER, Wire between inter-section LA DOUVE & F. L. & ULRICA ROW., U.15.d.80.70. - U.15.b.70.20., U.15.a.80.65. - U.15.b.55.30.

P.T.O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY Page 2.

HOSTILE FIRE.

During the period enemy's artillery fire was confined to the following areas, T.24., T.30., U.25.b.c. and d., U.8.d., PLOEGSTBERT (U.25.d.) U.27.b. and U.21.d. fired mainly from the direction of DEULEMONT, LES VALLÉES ROIS, and WARNETON.

INTELLIGENCE.

Enemy Defences.

Two T.M. Emplacements were observed in the vicinity of U.9.c.05.45.
A M. W. was located at C.4.c.6.8.

Aircraft and Balloons.

Enemy aeroplanes were again very active during the period.

At 6.50 p.m., 7.45 p.m., 10.10 p.m. and 10.20 p.m. hostile observation balloons were observed in U.24.c. and U.29.d..

Enemy observation balloons were also observed in the direction of Warneton during the evening.

Miscellaneous.

One of our "dummy" battery positions, erected at T.30 a.C.S. recently, served its purpose. The enemy directed 1300 rounds chiefly 15 cm and 10.5 cm against this position.

During the afternoon of 1st. inst an ammunition dump was blown up in the vicinity of HYDE PARK CORNER. 110 casualties were sustained.

Headquarters,
2.6.17.

Art. Choulet.
Lieutenant.
Intelligence Officer.
3rd. Australian Divisional Artillery.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

INTELLIGENCE SUMMARY

From 12 noon 2.6.17 to 12 noon 3.6.17.

OUR OPERATIONS (ARTILLERY)

During the period the following bombardments were carried out by 4.5" Hows.

TARGET	ROUNDS	EFFECT.
Emplacement U.8.b.39.15.	40	Debris thrown up.
F.L. and wire U.15.b.3.5.- U.15.a.8.7.	500	Trench much damaged, Wire thrown up,
BETHLEEM WOOD (U.3.d.) U.22.c.28.30. to U.28.a.54.46.	100	Good.
Dugouts in U.16.c., U.17.a. } and U.16.b. } Dumps in U.16.d. and U.17.c. }	280	Successful shoots.

During the period 18 pounders fired 6,000 rounds on BETHLEEM WOOD (U.3.d.) LA DOUVE RIVER (U.9.a. and b.) and on all targets previously bombarded.

During the night 18 pounders fired 60 rounds retaliatory fire on enemy's trenches in U.8. b and d. in response to his barrage on our trenches opposite ULNA BEAK.

TRENCH MORTARS.

TARGET	ROUNDS	EFFECT.	
H.T.M. ULTIMO LANE, SUPPORT, TRENCH	40	Apparently good.	
U.9.c.45.14.	5		
U.9.c.48.05.	5		
U.15.a.05.80.	5		
U.15.a.10.77.	5		
LA DOUVE FM.	20	Good result in each instance.	
ULNA SWITCH	30		
AVENUE FARM	20		
ULRICA ROW.	30		
U.9.c.80.02.	20		
U.15.b.22.87.	20		
F.L. U.9.c.06.60. - 10.25.	10		
U.8.b.40.15.	10		
M.T.M. BANKS LA DOUVE RIVER	301.		Wire blown away.
U.8.d.98.72.	104		Gap 70 yards.
Along ULSTER TRENCH	280	Existing gaps extended.	
U.15.b.6.2. - 25.52.	413	Fresh gaps cut.	
Wire to right of ULRICA SAP.	124	Gaps widened.	
U.8.d.66.96. - 93 74.	290	Wire cut.	
U.15.a.4.8. - 8.7.	302	Good lanes cut.	

P.T.O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

PAGE - 2 -

HOSTILE FIRE.

Hostile fire during the period was mainly directed against the following areas :-

ANTON'S FARM, T.30.a., PLOEGSTEERT, and WOOD North of RED LODGE. Our trenches were also intermittently shelled, mainly in retaliation for our Trench Mortar operations. During our practice creeping barrage the enemy shelled 18 pounder battery positions in T.17.b. and d. with 15 cm and 10.5 cm. Many direct hits were obtained, 12 guns were damaged, and a number of casualties were sustained.

During the morning the enemy fired on roads in U.25.c. and d. and C.I. a. and b with 15 cm and 10.5 cm. Fire came from the direction of PRELINGHIEN

HOSTILE BATTERIES ACTIVE.

8.45 p.m. flashes of hostile guns were observed 16 deg. right of MESSINES RIDGE from U.13.b.15.16. Hostile Batteries were also observed 65 and 78 deg T.B. from T.24.c.95.45. Between 2.30 and 3.15 p.m. a hostile 15 cm battery was firing from the direction of FME. DE LA CROIX. Area shelled T.18.d. From 7 a.m. to 11 a.m. a 15 cm battery was firing from the direction of WAMBEKE. Area shelled PLOEGSTEERT.

INTELLIGENCE.

Aircraft and Balloons.

Hostile observation balloons ascended at 1.0 p.m., 1.25 p.m. 5.30 a.m. and 10.15 a.m. in U.24.c., U.23.b., U.24.b., and U.6.b.

Enemy aeroplanes were again active during the period. At 7.55 a.m. 3rd. inst an enemy aeroplane was directing the fire of a 15 cm battery on target T.17.a.06.23. 8 rounds were fired, 4 of which were observed by the hostile plane. Messages picked up by our wireless were as follows:- "Too much left". "More right" "More Right" "N.H." (equals C.I.). A little more right from where the enemy was shelling would bring his fire on to "I" Group Headquarters at L'ALOUETTE. This plane was evidently registering this position.

Miscellaneous.

At 7 p.m. a large explosion was observed in MESSINES.

3.30 a.m. a fire was observed 3 deg left of LA POTTERIE FARM from LA HUTTE CHATEAU O.P.

12.50 a.m. a fire was observed 9 deg left of ANTON'S FME from LA HUTTE CHATEAU O.P.

9.45 p.m. the enemy sent up 6 green rockets each bursting into 2 stars in the neighbourhood of ULNA BEAK. In reply to this similar rockets were sent up behind MESSINES RIDGE. Following this Green Rain Rockets were observed and answered from this place. The enemy then immediately placed a barrage on our Front Line system in this vicinity (U.8.).

P.T.O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY.

PAGE .3.

INTELLIGENCE (CONT.)

In connection with our practice creeping barrage; hostile Artillery replied approximately 6 minutes after our barrage commenced. His fire was light and no definite barrage was placed on our trenches. The bulk of enemy's fire was confined to Counter Battery Work which was accurate and heavy. Ranging for these shots was, for the most part, carried out with aeroplane observation.

A. H. Chouley

Headquarters,
3.6.17.

Lieutenant.
Intelligence Officer.
3rd. Australian Divisional Artillery.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

INTELLIGENCE SUMMARY.

From 12 noon 3.6.17. to 12 noon 4.6.17.

OUR OPERATIONS.
(ARTILLERY.)

During the period the following bombardments were carried out by 4.5" Hows.

TARGET	ROUNDS	EFFECT.
F.I. and Wire - U.15.b.55.28. - 15.55.	800	Much wire and debris thrown up.
U.22.c.28.30. - U.22.a.54.46.	230	Satisfactory result.

During the period about 6,000 rounds were expended by 18 pounders while firing on UNGODEY TRENCH & ULCER RESERVE and on enemy's roads communications approaches and on targets previously bombarded.

TRENCH MORTARS.

M.T.M.	TARGET	ROUNDS	EFFECT
	U.15.d.80.70. - b.70.20.	80	Distinct lanes made.
	U.15.a.30.80. - 60.60.	30	Good lanes.
H.T.M.	U.16.c.21.67.	15	Effect satisfactory in each instance.
	U.16.c.50.65.	11	
	ULTIMO AVENUE -	4	
	U.15.b.56.28.		

HOSTILE FIRE.

Throughout the period enemy's artillery has been unusually active, hbs fire from 11", 8" and 15 cm and 10.5 cm has been mainly directed against our battery positions. Extensive damage has been caused to a number of gun pits, and several guns have been badly damaged, some of which were completely destroyed.

His shooting was accurate and well placed.

During the night the enemy made frequent use of gas shells necessitating personnel using respirators for several hours, thereby greatly hampering our operations.

A number of casualties were sustained, some of which were due to gas poisoning.

Principal areas shelled were as follow.-

T.24.a. and c., T.19.c.1.4., and T.17.a.a.c. and d.

The enemy's reply to our practice creeping barrage carried out on afternoon of 3rd. inst. was very light; no attempt was made to place a barrage on our trenches and few hostile guns were in action. A few rounds fell in the vicinity of the ONLY WAY and on our Support trenches in U.8.d. and U.14.b. At zero plus 15 a few rounds 10.5 and M.W were directed against our trenches in U.15.d.

On the Defensive Front Hostile fire was also extremely light.

During the course of this operation the enemy placed a few rounds on his own Front Line system.

P.E.O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

P A G E -2-

HOSTILE BARRIERS ACTIVE.

During the day a 15 cm battery was firing from the direction 61 deg. T.B. from T.24.c.95.45. Area shelled T.24.a. Battery located by Sound Bearing.

OUR AMMUNITION DUMPS DESTROYED.

At 5.30 p.m. a dump was destroyed in FLOEGSTENRE WOOD and five motor lorries were burnt in vicinity of QUARRY DUMP caused by hostile fire.
 10.45 p.m. enemy's artillery destroyed CINDER FARM DUMP in U.19.c. This dump contained a number of gas shells.
 1.30 a.m. a large ammunition dump about T.19.a. was also blown up.

INTELLIGENCE.

Aircraft and Balloons.

At 1.50 p.m. and 3 p.m. hostile observation balloons ascended in U.24.d., D.25.b. and U.24.c.
 Hostile observation balloons also ascended during our practice barrage.
 Hostile aeroplanes were again very active during the period. An enemy aeroplane unsuccessfully attempted to bring down one of our observation balloons. This plane was subsequently brought down in our lines.

Miscellaneous.

At 1.30 a.m. a dump was observed burning in rear of enemy's lines. T.B. 61 deg. from U.22.O.F.

Headquarters,
4.6.17.

A. E. Crowley
 Lieutenant.
 Intelligence Officer.
 3rd. Australian Divisional Artillery.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

INTELLIGENCE SUMMARY.

From 12 noon 4.6.17. to 12 noon 5.6.17.

OUR OPERATIONS.
(ARTILLERY.)

During the period the following bombardments were carried out by 4.5" Hows.

TARGET	ROUNDS	EFFECT.
Junction ULTIMO ROW & RESERVE U.16.a.6.8.	600	Good demolition.
F.L. & WIRE U.15.b.15.54. - a.30.82.	400	Much damage caused
LA DOUVE RIVER BRD U.8.d.85.95. - a.93.10'	703	Much debris thrown up.

During the period 13 pounders directed about 800 rounds on enemy's trenches, roads, communications strong points etc. and on all targets previously bombarded.

TRENCH MORTAR

Medium Trench Mortars fired 33 rounds on enemy's wire at U.15.d.95.35. with good effect.

"HOSTILE FIRE.

During the period the enemy's Artillery has been very active Heavy shelling of our battery positions and roads in the back area has been recorded, while our trenches on the whole sector have received attention.

Principal areas shelled as follows.

T.23.a. and b., T.24.c. and d., U.14.d., U.15.a.c. and d., U.25.a. and c., U.21.a and b., U.19.d.C.1.a and c., U.19.c. and COUR DREVE FARM.

During the course of the above shoots severe damage was done to several of our gun positions, 8 guns were put out of action, one gun slightly damaged, 8752 rounds of ammunition destroyed, and several casualties sustained.

It is particularly noticeable that the bulk of the enemy's fire now comes from a South ^{East} direction, chiefly from the vicinity in rear of FREELINGHEN AND DEULEMONT. It appears that these batteries are likely to give considerable trouble by enfilading our front.

In connection with our Practice Creeping Barrage carried out on 4th inst. hostile artillery action was extremely light.

The enemy opened fire approximately 7 minutes after our barrage commenced. Fire, which came chiefly from 10.5 cm and 77 mm guns, was well distributed over the Front, and mainly directed against our Front Line system. The majority of hostile guns were firing from the Right Flank.

About zero plus 10 the enemy shortened his range on to his own Front Line and shelled same with 77 mm shrapnel, though only a few rounds were observed.

The procedure adopted by the enemy was very much the same as for barrage carried out on 3rd. instant.

P.T.O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

PAGE - 2 -

INTELLIGENCE

Enemy Defences.

Wire in UNDULATING TRENCH from U.4.a.70.15. to U.4.b.20.05. appears to be fairly intact. Wire on UNCANNY TRENCH is also very strong. New trenches from from U.3.d.32.35 - 22.19., U.3.d.24.10. to U.3.d.20.00. and from U.9.b.20.99. to U.9.a.72.83.

Aircraft and Balloons.

Enemy aeroplanes were again very active during the period. Several Hostile observation balloons ascended during the course of our practice barrage. About 5 p.m. on the 4th inst six enemy balloons were observed apparently spotting for their artillery which were heavily shelling battery positions of "J" Group. At daybreak 5th. instant a hostile balloon was observed apparently spotting flashes of our Artillery.

Miscellaneous.

10 p.m. a large fire was observed in rear of MESSINES.
12 midnight a fire, apparently an enemy ammunition dump, was observed in rear of DEULEMONT.
9.55 p.m. A signalling lamp was observed 137 deg. T.B. from U.4. O.P. Message sent. E.S.I.T.

Headquarters,
5.6.17.

A. H. Chouley
Lieutenant.
Intelligence Officer.
3rd. Australian Divisional Artillery.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY.

INTELLIGENCE SUMMARY.

From 12 noon 5.6.17. to 12 noon 6.6.17.

OUR OPERATIONS.
(ARTILLERY.)

During the period the following bombardments were carried out by 4.5" Hows.

TARGET	ROUNDS	EFFECT.
U.22.c.28.30. - U.28.a.54.46.	97	Satisfactory.
Building U.29.c.65.95) LOOPHOLE FMS. GANGERS) COTTAGES, UMBO DRIVE)	200	Effect good.
F.L. and Wire U.15.a. 30.82. - b.15.54.	400	Very satisfactory

During the period 18 pounders fired over 7,000 rounds on Trenches, Roads, Communications, approaches and on targets previously engaged by Hows, and Heavy Artillery.

TRENCH MORTARS. Nil.

HOSTILE FIRE.

Enemy's Artillery again showed considerable activity throughout the period has been mainly directed against our battery positions. Several gun pits were destroyed, 4 guns damaged, & a number of rounds of ammunition were blown up.

A large ammunition dump in vicinity of T.30 containing a considerable quantity of 6" ammunition was blown up by hostile fire. During the after noon a battery in FLOEGSTERT WOOD (approximately U.20.b. was heavily shelled by 15 cm and 10.5 cm. Direction of Hostile fire approximately DEULEMONT.

Principal areas affected by hostile fire as follows.-
T.17., T.12.d., T.23.a and b., T.24.a.c and d.
T.30. T.15.a., U.13.c and d., U.14.a, U.19.c.
U.27. a and c. and U,25.c.

In connection with the Practice Creeping Barrage carried out on the afternoon of 5th. instant, the enemy's artillery opened fire on our trenches approximately 8 minutes after our barrage commenced. His fire, chiefly from 10.5 cm and 77 mm guns was heavy and mainly directed against our Front Line and Support trenches, though no definite barrage was put down.

Hostile fire was mainly from an Easterly and South Easterly direction and continued till 3.35 p.m.

HOSTILE BATTERIES ACTIVE

During the period flashes from hostile batteries were observed 70, 58, 59, 31, and 35 degrees T.B. from U.8 O.P.

6 p.m. a hostile battery was observed firing from U.30.c.3.6. During the morning enemy batteries, chiefly 10.5 cm and 77 mm, were active 104 degs. T.B. from C.1.b.1.4. Area shelled C.1.b. Located by sound bearing.

A hostile battery at U.30.c.2.6. was engaged by 4.5" Hows.

P. T. O.

THIRD AUSTRALIAN DIVISIONAL ARTILLERY INTELLIGENCE SUMMARY

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INTELLIGENCE.

Observation of the Enemy.

During the day a great deal of enemy movement was observed along roads in U.29.d, and U.30. a and c. 8.15 a.m. several of the enemy were observed leaving a trench at U.30.c.40.50. and to enter another trench at C.6.a.6.8.

Aircraft and balloons.

Enemy aeroplanes were again very active during the period. Hostile balloons ascended at intervals during the afternoon.

Miscellaneous.

10.30 p.m. an explosion of an enemy dump in U.29.b. was observed.

Atchley

Lieutenant.

Intelligence Officer.

3rd. Australian Divisional Artillery.

Headquarters,
6.6.17.

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THIRD AUSTRALIAN DIVISION.INTELLIGENCE SUMMARY.

June 16th, 1917.

Operations of Battalions of Third Australian Division
night of June 6th/7th to night of June 12th/13th, in the Battle for
MESSINES RIDGE.

The following account has been obtained from Battalions
of their Operations, and Reference is to Map Sheet 28 S.W., PLOEG-
STEERT, 1/10,000.

Wm. Curtack

Lieut.-I.C.
for Lieut-Colonel.-G.S.

T.C.

38th BATTALION.

The Battalion assembled between ASH Trench and the left of SEAFORTH FARM, with centre on MESSINES ROAD. About SEAFORTH FARM there was some crowding with the 40th Battalion.

The three waves were -

1st wave D Coy., and $\frac{1}{2}$ of B Coy.
 2nd wave A Coy., and $\frac{1}{2}$ of B Coy.
 3rd wave C Coy.

At ZERO plus 3 minutes the waves went over and the 40th Battalion having disposed of PETIT DOUVE resistance, the first wave reached ULCER RESERVE without difficulty. There was no Machine Gun fire from the Left Flank. At ULCER RESERVE the second wave went on, leapfrogging the first wave, and later were joined by half of D and half of B from the first wave, which left half of D in ULCER RESERVE. From UNGODLY Trench the second and third waves went on together and the BLACK LINE was reached with 12 Platoons and 12 Lewis Guns. Casualties were very small.

During the halts for about 10 minutes east of SCHNITZEL Farm, and about 1 hour 8 minutes before UNGODLY Trench, there was very little enemy shell fire. The enemy barrage, such as it was, remained on his old front line and NO MAN'S LAND until well on into the forenoon. At about 10.30 a.m. near UNGODLY Trench one of our aeroplanes flew over the Battalion's lines and called for flares. Shortly after these had been given the enemy Batteries shortened their range, and from that time onwards they never lifted off the UNGODLY and BLACK LINE vicinity.

Battalion established the BLACK LINE and put in a block on UNGODLY AVENUE just east of the POTTERIES-MESSINES Road in U.3.d. By the morning of the 9th the BLACK LINE had been dug 7 ft. deep and fire-stepped in places. A strong point had also been established at U.3.d.8.9. with a good field of fire north, east and south (1 machine gun and 2 Lewis guns), and another strong point just North of the DOUVE behind the BLACK LINE with 2 Lewis Guns. Connection on right and left flanks was very good throughout.

On morning of June 8th 4 enemy aeroplanes flew low over the BLACK LINE and enemy barrage again came down heavily.

Mules came up as far as the old front line on the MESSINES Road. Hot food was brought up on the afternoon of June 8th.

Battalion Headquarters were on our old front line on MESSINES Road, with Forward Report Station on ULCER Trench just north of ULNA Avenue.

Battalion was relieved early on the morning of June 9th by 42nd Battalion

37TH BATTALION.

The 37th Battalion assembled between LE ROSSIGNOL and ADVANCED ESTAMINET with Battalion Headquarters at the latter place. At ZERO plus 7 hours the Battalion moved forward in Artillery formation with A Coy. and D Coy. in the first wave, C Coy. and D Coy. of the 40th Battalion in the second wave, and B Coy. in reserve behind the second wave. There was heavy enemy barrage on the Subsidiary line. Two Platoons of 40th Battalion were carrying behind B Coy. After the Battalion had moved off an order was received saying that new ZERO was delayed two hours and instructions were sent out to the Battalion to halt for that period in any available cover in the vicinity of the BLACK LINE. The Battalion moved up to SCHNITZEL FARM across country and then advanced in extended order to the BLACK LINE. By the time they arrived at the BLACK LINE they had lost about 10% of their effectives. They lay down in open order about 150 yards behind the BLACK LINE for a little over 2 hours.

At 3.10 p.m. the waves having been reformed passed through the BLACK LINE behind our barrage and advanced towards the GREEN LINE. The Left Flank reached UNCANNY SUPPORT without difficulty, and joined up at HUN'S WALK with the 47th Battalion. There was some fighting with 3 machine guns and their crews in the 2 houses immediately North of WHITE SPOT COTTAGE Road by UNCANNY SUPPORT, but these were put out of action. The small wood in the angle of UNDULATING Trench and UNDULATING Support hid a nest of Snipers and Machine Guns which could not be overcome, and the line was bent back around that angle. The second wave on the Right entered and consolidated UNCANNY Trench. The leading wave arrived in UNCANNY Support with 43 other ranks, of whom 5 or 6 were N.C.Os. Their last Officer was wounded after bombing the machine guns in the houses already referred to. Along the whole of this GREEN LINE, which including the bend at UNDULATING CORNER was about 1200 yards long, the Battalion had only about 230 men. The 4th Division on their left seem to have fallen back at some time towards the end of the day on to the BLACK LINE; that is what the 37th Battalion understood, and in the evening they too fell back to the BLACK LINE. About 3.30 a.m. (June 8th) the 44th Battalion came up to their relief, found them not established on the GREEN LINE, and on completing the relief had no difficulty in making an advanced line which ran from SEPTIEME BARN south-west to the MESSINES Road about 200 yards North of the DOUVE Bridge.

On the following night (June 8th/9th) the 37th Battalion again came up to relieve the 44th Battalion, and did in fact relieve it for about 10 minutes. The order for this relief was then cancelled and the 44th Battalion took over again.

Headquarters of Battalion June 8th were triangular wood on the DOUVE in U.S.d. On the night of the 8th/9th it was established in a shell hole on ULCER RESERVE near ULNA AVENUE Junction.

There were no communication trenches at all during this period and enemy shell fire on the southern MESSINES Slope was heavy and consistent from DEULLEMONT and WARNETON. There was a telephone from Cable head at SEAFORTH FARM to Advanced Brigade H.Q. on ULCER RESERVE, and the Battalion made a connection up to BETHHEEM Farm. Nearly all Battalion Runners were put out of action.

A and C Companies had most of the fighting. D Coy. to the South had no trouble. Four of our M.Gs. were put out of action. The Battalion T.M. was blown up with its crew before it got to UNCANNY SUPPORT. Battalion had about 8 Lewis Guns between UNCANNY and the River, but only one on the left flank where the fighting was heaviest. Rations were got up on the evening of the 8th by mules as far as SEAFORTH, thence by hand. Water was scarce and men got some out of shell holes.

39th BATTALION.

The route up to the assembly trenches on the night of 6th/7th June lay from OOSTHOVE FARM via PLOEGSTEERT Corner and ANSCROFT AVENUE. The Battalion set out with A, B, and D Coys. less 1 Platoon (Battalion Reserve). C Coy. was Brigade Reserve. Considerable enemy shell fire hampered the progress of the Battalion almost from the beginning. At PLOEGSTEERT Corner one enemy shell burst in the middle of the leading Platoon, and this, with a heavy bombardment by gas shell in this vicinity, disorganised the Battalion. It was almost impossible for Officers and some of the N.C.Os. to wear their masks properly owing to the necessity for directing the men. As it was Officers and men were overcome at every few yards, and their track up through BUNHILL ROW and MUD LANE was strewn with men overcome by the gas. The Battalion leader was one of the casualties. A Senior Company Commander reached the R.A.P. in ANSCROFT AVENUE at about 2.20 a.m. with only about 12 men, though stragglers, much dazed, gradually dribbled in afterwards. This Officer procured all available Ammonia Capsules from the R.A.P. and distributed them amongst all the men whom he could collect along ANSCROFT AVENUE.

At about 20 minutes before ZERO there were about 120 men (out of 360) in the Battalion assembly trenches to the left of ANTON'S Farm. These men were reorganised and it was decided that they should go to the assault in one wave instead of two. At ZERO hour the enemy barrage opposite them came down on the enemy front line very heavily. It was a zig-zag barrage and the Battalion got through a gap successfully without a casualty. The Left Flank successfully bombed several dugouts south-west of DOUVE Farm. The enemy barrage was put on his front line while his men were in that line in dugouts. The two flanks joined up about the line of the track from the DOUVE down to ULRICA Avenue at about U.9.c.6.7. Flares were sent up to aeroplanes to show position at about 3.45 a.m. when the Battalion was advancing at about the situation of the hedge running from the DOUVE at U.9.b.2.5. to U.9.d.4.8. Almost immediately our barrage lifted from this point to beyond GREY FARM, thus leaving unharmed 2 Machine Guns to North of GREY FARM. One of them mounted on the roof of the dugout at U.9.b.6.3. temporarily held up the Battalion which took cover in the hedge already mentioned and shell holes along it. The Officer in charge of the left flank shot the enemy Machine Gunner who was working the M.G. on the roof of the dugout, and his men then rushed the position. Two machine guns were captured here. The Battalion then linked up with the 34th Battalion on the right which had advanced across ULSTER RESERVE to the right of GREY FARM, and they consolidated together on the BLACK LINE.

The portion of the Battalion when reorganised on the BLACK LINE at about 4.30 a.m. numbered 88 men.

The 34th Battalion was to have taken over from 39th Bn. at about 7 a.m. but was unable to do so until 11 a.m. During this time the 39th continued digging without much interference by enemy fire.

At 11 a.m. the 39th Battalion was ordered to stand by on the North side of the River below SCHNITZEL FARM. C Coy. (100 strong) came up to reinforce at about 8 p.m. on the evening of June 7th.

Mules came up to South of SCHNITZEL FARM on the night of June 7th and brought hot food.

P. T. O.

On the morning of June 8th the Battalion was collected in an abandoned enemy trench between ULINA AVENUE and DOUVE Farm - whether the ditch trench dug by the 40th Bn., or the drain shown just east of that is not clear. During the day of June 8th and the night of June 8th/9th the Battalion continued digging communication trench in vicinity of ULCER RESERVE towards SCHNITZEL and BETHLEHEM FARMS. This trench ran parallel with ULINA AVENUE and just south of it.

Battalion was relieved early morning June 9th.

At about 30 minutes before 11.00 there were about 150 men (out of 300) in the Battalion assembly trenches to the left of WATSON'S Farm. These men were reorganised and it was decided that they should go to the assault in one wave instead of two. At 11.00 hours the enemy barrage opposite them came down on the enemy front line very heavily. It was a sign of a general attack. The Battalion got through a gap successfully without a casualty. The left flank successfully bombed several enemy dugouts south-west of DOUVE Farm. The enemy barrage was put on his front line while his men were in the line in dugouts. The two flanks moved up about 100 yds. The track from the DOUVE down to ULINA Avenue at about 11.30 a.m. were sent up to reorganise to show position at about 11.45 a.m. When the Battalion was advancing at about the situation of the hedge running from the DOUVE at U.P. 2.8.8. to U.P. 2.8.8. almost immediately our barrage lifted from this point to beyond GUY'S FARM. One machine gun was taken to North of GUY'S FARM. One of them mounted on the roof of the dugout at U.P. 2.8.8. temporarily held up the Battalion which took cover in the hedge already mentioned and shell holes along it. The Officer in charge of the left flank shot the enemy Machine Gunner who was working the M.G. on the roof of the dugout, and his men then trained the position. Two machine guns were captured here. The Battalion then linked up with the 2nd Battalion on the right which had advanced across ULCER RESERVE to the right of GUY'S FARM, and they consolidated together on the BLACK LINE.

The position of the Battalion when reorganised on the BLACK LINE at about 1.30 a.m. numbered 88 men. The 24th Battalion was to have taken over from 23rd Bn. at about 7 a.m. but was unable to do so until 11 a.m. During this time the 23rd continued digging without much interference by enemy fire. At 11 a.m. the 23rd Battalion was ordered to stand by on the North side of the River below SCHNITZEL FARM. Coy. (100 strong) came up to take over at about 8 p.m. on the evening of June 9th. Miles came up to South of SCHNITZEL FARM on the night of June 9th and brought his food.

44TH BATTALION.

The 44th Battalion was on the night of June 7th attached to 10th Brigade for operations and at 11 p.m. on the night of June 7th/8th they were ordered to proceed from Reserve in CATACOMBS and retake the GREEN LINE North of the DOUVE. The Battalion marched up HEATH Trench and ONLY WAY, crossed NO MAN'S LAND and entered old front line about PETIT DOUVE Farm. They proceeded across country south of ULNA Avenue, and deployed at SCHNITZEL Farm, taking their line by the trees of BETLHEEM. The order was - C Coy. to take UNCANNY Trench; B Coy. to leapfrog them and take UNCANNY Support, and the trench junctions at UNCANNY CORNER; A Coy. to take the GREEN LINE on the right, and link up with a Company of the 40th Bn. which was supposed to be on the GREEN LINE just North of the DOUVE. D Coy. was in reserve, but half of D Coy. was detailed to swing in to the right of A in case the Company of the 40th should not be in the position North of the DOUVE where they were expected.

At 3.30 a.m. C Coy. went forward and reached UNCANNY Trench. They began digging in on a line almost due South of SEPTIEME BARN from about U.4.a.5.5. to U.4.a.4.1. At this time the 48th Battalion on their left had not made touch and as the left flank of C Coy. was in the air, B Coy. was ordered to form a defensive flank which bent back from C Coy's left almost due west towards the BLACK LINE. Meanwhile A Coy. made good the line on the right from C Coy's right flank from a distance of about 500 yards south. The half of D Coy. already detailed came out from BETLHEEM FARM (the reserve position) and established on A Coy's right flank down to DOUVE Bridge. This position was maintained till about 1 p.m. on June 8th, when patrols reported that the 48th Bn. had got up to OWL Trench. B Coy. then swung round from their defensive flank and connected with the 48th near SEPTIEME BARN.

During the night of June 8th/9th the 48th on the left apparently went forward into OWL Support, Patrols of the 44th reported their situation there with right flank in the air at about 10 a.m. on June 9th. At noon B Coy. were ordered to advance to UNCANNY Support and connect up with the 48th, and C Coy. to swing round half right and join up with B. This position was successfully established by 4.30 p.m. Patrols put a block forward in UNDULATING Trench where the track crosses it at about U.4.c.8.7. During the night June 9th/10th a Patrol worked down UNDULATING Trench to about U.4.d.00.35 and reported Southern end strongly held by the enemy. A patrol from the right flank which went out south of UNGODLY AVENUE were driven back by rifle and machine gun fire. The original GREEN LINE, however, was established during June 10th, and on the night of June 10th/11th the Battalion was relieved on it by the 43rd, in small parties under heavy enemy bombardment.

On the afternoon of June 8th at about 4 p.m. considerable numbers of the enemy were seen massing for counter-attack between GAPAARD and STEIGNAST Farm, but they were smashed by our barrage. On the following afternoon there were evidences of enemy massing in the little copse in U.11.a. but these also were dispersed.

At about 5 p.m. on June 9th B Coy. was obliged temporarily to withdraw from the GREEN LINE by our own barrage which was short. An hour later however on our Artillery lengthening they returned to it. On the evening of June 10th at about 7 p.m. the Coys. on the right flank had similarly to retire for about 150 yards because our Heavy Artillery was falling short. After they had retired some of our heavy rounds fell still shorter and they retired again almost to the BLACK LINE. They returned however to the GREEN LINE about an hour later.

40TH BATTALION.

D Coy. of 40th Bn. made the assault with the 38th Battalion. One Platoon of A, and one Platoon of B, made the assault with the 37th Battalion. This left 40th Battalion for the assault with 10 Platoons, 5 of which (C Coy. and 1 Platoon of B) assembled North of the DOUVE, and 5 (3 Platoons of A and 2 of B) South of the River.

The 5 Northern Platoons went up to their assembly trenches by the BROWN route. There was much shelling on the way which caused some temporary disorganisation and delay. They arrived in their assembly trenches about 10 minutes before ZERO and 50 strong. The Company Commander re-allotted objectives - he and his Batman, for example, took one, and the others were distributed in similar proportions. They reached UNLA Support 27 strong. The right hand Platoon of the Northern Party laid bridges across the DOUVE between MESSINES Road and the enemy old front line and maintained them.

The Southern 5 Platoons assembled between SEAFORTH Farm and the MESSINES Road. They crossed NO MAN'S LAND and reached ULNA SWITCH without difficulty at about 3.30 a.m. The 10 Platoons having joined up then advanced and dug in along a ditch between ULNA AVENUE and DOUVE FARM running almost due North of the Farm. Their total casualties between assembly trenches and this point were about 100. By 10.0 a.m. the ditch trench was dug and some beginning made with a communication trench running forward to ULCER RESERVE.

Some casualties were caused by enemy machine guns - one on the tip of ULNA BEAK on the MESSINES Road, and one in ULNA SUPPORT near ULNA SWITCH Junction. Another Machine Gun was captured in ULNA SWITCH. Most of our casualties, however, were due to the eagerness of the men who ran into our own barrage, especially one Platoon of B Coy. This was due to inexperience, as was also the fact that in advancing across NO MAN'S LAND some of the men of the Southern 5 Platoons put on gas masks, believing that fumes from the shell holes were asphyxiating gas fumes. There was not much fighting, and the enemy surrendered rather than ran.

After digging the ditch line the 40th Battalion went up to the BLACK LINE to reinforce. There was no enemy barrage short of his old front line until about 10.30 a.m. although there was occasional shooting along ULNA AVENUE and the DOUVE.

Some of the men went on through our barrage as far as UNGODLY Trench and came back through it. Most of them were re-collected in the ditch trench by about 5 a.m.

The 10 Platoons were re-organised at about 3 p.m. and at about 9 p.m. went up to BLACK LINE to reinforce. They had to get through enemy barrage, but reached the BLACK LINE without heavy loss, and were then about 100 strong. The BLACK LINE was then a good trench. At 3.0 a.m. Battalion retired to the ditch trench in U.S.b. and remained there until relieved (early morning June 9th). The 10 Platoons came out of the fight 70 or 80 strong.

7.

42ND BATTALION.

At 1 a.m. on night of June 8th/9th the Battalion received orders to take over BLACK LINE from the 10th Brigade and clear up the situation between BLACK and GREEN LINES. The Battalion marched from CATACOMBS up the MESSINES Road to the enemy old front line. A and C Companies moved overland south of SCHNITZEL Farm, B Coy. North of SCHNITZEL Farm and D Coy. into Reserve in the ditch between ULNA Avenue and the DOUVE previously consolidated by 39th and 40th Battalions.

A Coy. took over from the River DOUVE to the SUNKEN Road U.3.d.65.10.

B Coy. took over the line left of A up to hedge corner U.3.d.8.6.

C Coy. took over remainder up to boundary with Left Division just South of WHITE SPOT SOTTAGE. This was about 3.30 a.m. June 8th/9th. There was a slow fire of 15cm. shell going on at the time, which ceased about an hour later. The fire was directed principally on SCHNITZEL and BETLHEEM Farms.

The Battalion continued organising the BLACK LINE which was completed to 6 ft. deep, fire-stepped and revetted all along. There were good fire-bays. Strong points were established at

U.3.b.75.00.

U.3.d.65.50.

U.3.d.65.50.

U.9.b.5.9.

These were in good order by the afternoon of June 9th.

From 4.30 to 8 a.m. June 9th enemy fire was very quiet. There was some intermittent shelling up to early afternoon. At 3 p.m. a very heavy enemy fire opened and lasted until about 4 a.m. June 10th. UNGODLY Trench and BETLHEEM Farm, also the DOUVE VALLEY, were especially bombarded.

By 5 p.m. June 9th wire had been put out in front of BLACK LINE to a depth of about 12 ft. with tracks through it.

A captured enemy Machine Gun with 2,000 rounds of ammunition was installed at U.9.b.45.95. and used against the enemy. 8 Vickers guns were set up along the BLACK LINE.

Enemy bombardment continued all day on June 10th and during the night of June 10th/11th. The morning of June 11th was quiet, but at noon bombardment was resumed and lasted with short intervals throughout the night.

Battalion was relieved on the night of June 11th/12th by the 4th Australian Division. Casualties during the three days were about 200.

During the night of June 10th/11th patrols were sent out along the middle line from SEPTIEME BARN to the DOUVE Bridge.

Each morning and evening (about 4 a.m. and 8.30 p.m.) enemy aeroplanes flew at about 300 feet over the BLACK LINE spotting for Artillery fire and on at least one occasion firing into our trenches with his machine gun. There was no interference with this by our aeroplanes. The Battalion directed heavy fire on these aeroplanes with machine guns and Lewis guns and it could be seen that his wings were riddled with bullets but otherwise the fire appeared to have no effect.

P.T.O.

43RD BATTALION.

The 43rd Battalion relieved 44th at about 10 p.m. June 10th/11th.

While A and C Coys. were relieving the 44th, D and B Coys. were ordered at 11 p.m. to the attack on UNDULATING Trench. One Platoon of D on the left was detailed to take the collection of houses at U.4.b.2.3. The other 3 Platoons and the whole of B Coy. were to assault UNDULATING Trench and establish Lewis Gun posts beyond. There was a strong communication trench not shown on the map running from about U.4.d.5.7. to about U.4.c.95.30. UNDULATING Trench was taken without much difficulty by 12.30 a.m. and blocks were made forward of it in the communication trench just mentioned, in another communication trench parallel with it about 200 yards to the North, and in UNDULATING Support at about U.4.b.0.1. Lewis Gun posts were established at U.4.c.9.8. and U.4.d.2.1. The Platoon of D Coy. on the left was unable to take the houses for which it was detailed owing to the fact that both our barrage and the enemy's was on this spot. On the next day (June 11th) a patrol from A Coy. found a large number of our dead belonging to 37th and 38th Battalions in these ruins. These men must have got out beyond our barrage on the first day of the battle and been unable to return.

Communication trenches were dug on June 11th from about U.4.c.9.4. to U.4.c.4.4., and from about U.4.c.8.7. to U.4.c.75.55. By the morning of June 11th UNDULATING Trench was cleared to 6 ft. deep, traversed, and fire-stepped, down to the DOUVE, where touch was made with the 9th Brigade. 2 Lewis Guns were captured from the enemy in this trench during the night and a 7.7 cm. gun was found on the DOUVE at U.10.b.10.95. A Battery of abandoned guns of the same calibre could be seen in STEIGNAST Farm, but were not firing. The enemy however was still in this place, for several machine guns opened fire during the morning from the Farm upon one of our aeroplanes.

The Artillery barrage during the night's operation was excellent.

On the morning of June 11th patrols reported UNDULATING Support as far as U.4.d.7.4. to be unoccupied by the enemy.

10.

9.

41ST BATTALION.

All the Battalion of the
 41st Battalion was in reserve throughout the battle
 in our old lines.

the approach march without any casualties at all, and attribute
 this to the valuable reconnaissance work done on the previous
 approach march on "Y" night, when all four Companies marched
 up through an enemy gas shell bombardment, but only one Company
 succeeded in reaching the assembly trenches.

All the Battalions of the 9th Brigade on their way up to the assembly trenches suffered severely through enemy gas shelling. Only one Battalion reached its assembly trenches with good time to spare before the attack — the 35th. This Battalion, which wore its gas masks throughout, got through the approach march without any casualties at all, and attribute this to the valuable reconnaissance work done on the practice approach march on "Y" night, when all four Companies marched up through an enemy gas shell bombardment, but only one Company succeeded in reaching the assembly trenches.

11.

35TH BATTALION.

The 35th Battalion assembled between ONTARIO and TORONTO Avenues, and were drawn up for the assault in the order B Coy. C Coy. D Coy. from right to left. A Coy. was carrying. During the approach march they had considerable difficulty under enemy fire from DELENNELLE Farm onwards. They had assembled, however, at 2 a.m. without casualties. The Battalion was intended to go over in two waves but assaulted actually in only one. The men were rather over-eager and some of them ran into our own barrage. D Coy. on the left went over NO MAN'S LAND in gas masks. The enemy barrage was on our old front line and did not come down until the Battalion was well across. The enemy did not put up any severe resistance in his front line system, and heavy casualties were caused to him by the bombing of dugouts found there.

The Battalion reached its objective on the site of the BLACK DOTTED LINE and dug in on it. They also dug communication trench from ULSTER AVENUE back towards the enemy old front line at about U.5.a.7.7.

The Battalion remained on the BLACK DOTTED LINE digging until relieved on the night of June 9th/10th by the 36th Battalion. From the afternoon of June 7th onwards enemy shell fire was especially heavy along the BLACK DOTTED LINE and in rear of it, and the Battalion suffered rather heavy casualties.

By 4 a.m. on the morning of June 10th the Battalion was back in BUNHILL ROW and at 2.30 a.m. on June 10th/11th it relieved the 33rd Battalion in the sector immediately south. At daybreak on June 11th the Battalion had established a post at FUZE COTTAGE, but later the post was withdrawn from this point to about 200 yards further back along the same road at U.10.d.15.30. During the following night (June 11th/12th) a patrol established a post at U.16.b.7.9. The enemy were in occupation of KNOLL 30 with machine guns.

The Battalion was relieved by New Zealand Division during the night of June 12th/13th.

P. T. O.

.MOLLATTAH RTCC

12.

34TH BATTALION.

The 34th Battalion had 40 casualties on the approach march owing to gas and the last Company reached the assembly trenches just in time to take part in the assault. The order of the assault was from right to left, C Coy. B Coy. A Coy.— with A Coy. on ANTON'S FARM. Half of D Coy. was on the right of C, and half was kept in reserve for the assault on the GREEN LINE. The Battalion got over NO MAN'S LAND ahead of the enemy barrage and met with very little resistance in the enemy front line system. All enemy dugouts were bombed and their occupants killed or wounded. During the advance towards GREY FARM system there was some distant machine gun fire from the front, probably from GREY FARM, but damage caused was slight. The BLACK LINE was reached by 4.25 a.m. There was practically no resistance in GREY FARM and ULSTER RESERVE, as our men got into the works there smartly behind our barrage. Four machine guns were captured in this position.

The BLACK LINE was consolidated without interference by enemy shell fire, which seemed to be directed mainly on GREY FARM, the BLACK DOTTED LINE, and on carrying parties in the rear.

By 7.20 a.m. the BLACK LINE was about two-thirds complete, and by the morning of June 8th was a continuous trench sandbagged, and fire-stepped. At 7.45 a.m. June 7th the enemy could be seen assembling in POTTERIE FARM and also just east of the MESSINES Road in U.I.O.s. Stokes Mortars, however, dispersed them. They looked like new troops as their uniforms were bright and clean.

The attack on the GREEN LINE by D Coy. was timed originally for 1.10 p.m. The order delaying the new ZERO did not reach these troops until late. The Officer in charge of the operation waited until 1.30 p.m. and then failing our Artillery barrage which he expected, he moved out without it to the site of the GREEN LINE and commenced digging in along it. The Company continued organising this line while the delayed attack on the GREEN LINE on their left continued shortly afterwards.

During the night of June 7th/8th an enemy party attempted to advance towards GREY FARM from POTTERIE direction but were dispersed by rifle and machine gun fire.

Shelling on the BLACK LINE was not heavy until the afternoon of June 8th. During the morning of June 8th an enemy aeroplane reconnoitred the line flying very low. Enemy bombardment of the BLACK LINE was very heavy throughout the day of June 9th.

At intervals on June 7th/8th some of our 6" howitzers were firing short and caused a number of casualties. One gun that was particularly short seemed to be directing its fire on THE FARM.

The Battalion was relieved on night of June 9th/10th by the 10th Battalion.

13.

36TH BATTALION.

The 36th Battalion relieved the 34th and 35th Battalions in the sector immediately South of the DOUVE on the night of June 9th/10th. The Battalion took over the line with C, D, and A Companies from Right to Left, and B Coy. in reserve. During the same night forward posts were established on the MESSINES road at U.10.a.3.1. and U.10.c.4.7.

At 11 p.m. on the night of June 10th/11th under a heavy 18-pdr barrage 200 men left the GREEN LINE to the assault of POTTERIE FARM Trenches. Their objective was the line from the DOUVE down to about U.10.c.9.9. Just prior to the hour when our men left the trenches a heavy enemy barrage came down on our parapet in response to red light signals which began at a point on the DOUVE and followed along the whole POTTERIE System. The assaulting party was disorganised for a moment, but quickly recovered and got forward up to our barrage. The POTTERIE LINE, North of POTTERIE FARM, was held by Bavarians (elements of the 9th Bavarian I.R. principally), but POTTERIE FARM itself was held by a Company of the 1st Guard R.I.R. The Bavarians put up a poor fight, and what was left of them fled after the first encounter back towards CROIX FARM. The Garrison of POTTERIE FARM itself came out from the North evidently to offer resistance but were caught under our Lewis Gun fire from the parapet of UNCERTAIN Trench and practically annihilated. The Battalion established four strong posts forward of UNCERTAIN Support at U.10.a.85.78, U.10.a.90.50. U.10.b.05.10., U.10.d.15.90. The Officer in charge reconnoitred UNCERTAIN Support as far down as U.10.d.0.7., where, not finding connection with assaulting troops from the right, he put in a block.

A half-hearted counter-attack was attempted on these POTTERIE FARM posts by the enemy shortly before dawn, but was dispersed by Lewis Gun Fire. Enemy shelling on POTTERIE FARM was heavy throughout the day of June 11th. On the afternoon enemy aeroplanes flew over POTTERIE FARM and the BLACK LINE at a height of about 1,000 ft. The men had orders for this emergency to conceal themselves, and it is considered that owing to this precaution the enemy aeroplanes did not detect the location of our advanced posts, which afterwards remained practically immune from bombardment. During June 12th enemy shelling was severe especially in the afternoon, but enemy Batteries did not appear to have the range of the Farm.

Prior to the attack on POTTERIE FARM at about 6 p.m. June 10th, while our Heavy Artillery was bombarding the Farm, one gun appeared to be shooting very short, and shells

began falling on our own trenches in the BLACK LINE. The Heavy Artillery lengthened on request but one gun was still short and a shell from it completely knocked out a Lewis Gun Team in the Northern post on the MESSINES Road.

P.T.O.

The Battalion was relieved on the night of June 12th/13th.

P.T.O.

14.

33RD BATTALION.

The 33rd Battalion assembled between ST. YVES and the North of LONE HOUSE AVENUE. Two Companies were in position by 2.50 a.m. (20 minutes prior to ZERO hour); but one Company did not get into the assembly trenches until just as the mines went up, and another Company, which arrived just in time to join the assault, was never in the assembly trenches at all. The delay on the march was due to Gas-Shelling by the enemy and the bad state of the trenches, particularly HAYMARKET. The assault went over in some confusion but the Companies quickly righted themselves on reaching the enemy front line. The order of the assault from right to left was D, C, and B Coys. with A Coy. in reserve. Ten minutes after ZERO the right Company was digging in on the BLACK LINE, and a little later the whole of the BLACK LINE was established. By noon the trench was about 4 ft. deep in localities. The Battalion had some opportunity of bayonet work in the enemy front and support lines but the enemy generally surrendered readily. The only disturbance on the right flank was from one machine gun a little to the south-east of ULTIMO LANE, but this was put out of action by bombing. There was no enemy shelling on the BLACK LINE until about 4 hours after ZERO. An enemy aeroplane at about 6 a.m. flying at 500 ft. up evidently detected the Battalion's location.

Enemy shell fire during the day of June 7th was limited almost entirely to a 15 cm. Battery firing from near DEULEMONT. A heavy bombardment, however, began at about 7 p.m. and lasted with intervals throughout the ensuing 48 hours. By the end of the second day the trench here was dug to 6 ft. deep, linked up, and fire-stepped. A support line was dug to connect with LONE HOUSE AVENUE from a point in the old enemy support trench about U.15.b.65.60. At 2 p.m. on June 9th a post was established of 20 men in THATCHED COTTAGE at 11 p.m. on the same night another post 15 strong was installed in the house on ASH AVENUE, U.10.c.5.3. A field gun was captured in the ASH AVENUE house.

At 11 p.m. under Artillery barrage an organised attack was made on the trenches south of POTTERIE FARM in conformity with the operations of the 36th Battalion on POTTERIE FARM, North trenches. The attack on the front of the 33rd Battalion met with little opposition, and posts were established in UNCERTAIN Support at U.10.d.1.6. and at FUZE COTTAGE. The latter post was afterwards withdrawn about 150 yards in rear.

T.C.

APPENDIX

THIRD AUSTRALIAN DIVISION.

Divisional Headquarters,
7th June, 1917.

"G" Staff.	
A.Q. "	A.D.V.S.
C. R. A.	2nd Anzac Corps R.A.
C. R. E.	
Div. Sig. Coy.	
9th Aust. Inf. Bde.	
10th -do-	G1/258/905.
11th -do-	
3rd Aust. Pioneer Bn.	
Lieut-Col. GEIDES, O.C. Defensive Battalions.	
A. D.M. S.	
Div. Train.	
A. P. M.	
Liaison Officer.	
"B" Bn. Heavy Branch, M.G.C.	
O.C., No. 2 Special Coy., R.E.	
O.C. "L" Special Coy., R.E.	
D.M.G.O.	
Corps Heavy Artillery.	

I desire to convey my gratitude to all Commanders and all Troops of the Division for the magnificent valour and splendid co-operation, as well as the high technical skill which all ranks and all arms and departments have displayed in the achievement of this day's great victory.- It now only remains to show that the Division is just as well able to hold on to what it has won, and is more than a match for the enemy in the hastily improvised defensive.

Stratton

Major-General.
Commanding Third Australian Division.

T.C.

2nd. Anzac, R.A.

June 7th. 1917.

The Army Commander directs me to congratulate all ranks of the Artillery of the 2nd. Anzac on the success gained today.

He wishes to thank them for the excellent work they have done during the past week, and to add that the success gained today, with comparatively little loss, is entirely due to the hard work and good shooting of the Artillery.

M Powell

Brigadier General,

G.O.C.R.A.

II A.N.Z.A.C.

- 2 -

To All Artillery Units attached to 3rd Aust. Divsl. Artillery

It is with great pleasure that I circulate the above to all Artillery Units attached to the 3rd Australian Division, and take the opportunity of thanking them for the excellent work they have done since the offensive positions were occupied.

The untiring devotion to duty of all ranks under most trying conditions cannot be too highly commended.

H. Finwood

Brigadier General,
Commanding 3rd Aust. Divsl. Artillery.

Headquarters,
6-6-17.

W. J. ...



To
Artillery Commanders,
I, J, K, L, & M, Groups.

General, Sir H.C.O. PLUMER, Commanding 2nd Army,
visited 3rd Australian Divisional Artillery Headquarters this
afternoon to ask me to convey to all Officers, Non-commissioned-
officers, and Men, his appreciation of the excellent work done
yesterday.

He has had it reported to him that the barrage was
magnificent, and to this he attributes the success of the
operation.

H. N. Gunwade

Brigadier-General,
Commanding 3rd Aust. Divl. Artillery.

Headquarters,

8-6-17.

APPENDIX

SECRET.

"M" GROUP ARTILLERY.
*****Headquarters,
June 1st, 1917.To all recipients of O.O.P.O.

Operation Order P.O. is amended as follows:-

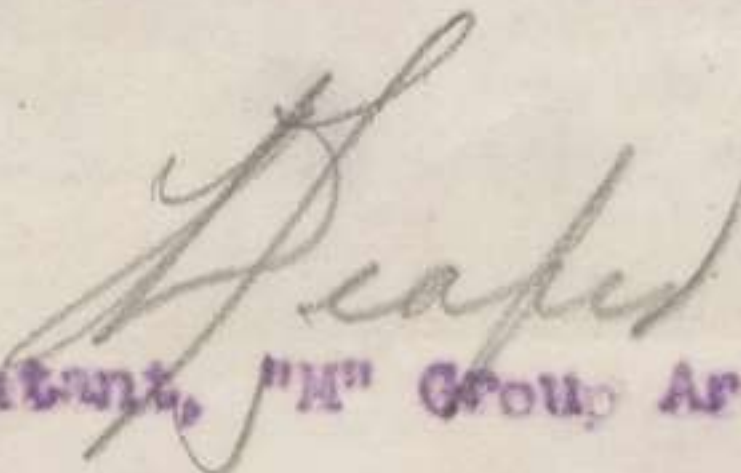
In special tasks, remove rounds :

16th Battery - 1st task to 100 rounds.
2nd task, omit.

17th Battery - 2nd task, omit.

18th Battery - 1st task to 100 rounds.
2nd task to 100 rounds.

106th Battery - Tasks 1, 2 and 3, to 50 rounds.


Adjutant, "M" Group Artillery. Lieut.

SECRET.

APPENDIX.
Copy No.....

"M" GROUP ARTILLERY OPERATION ORDER NO.P.9.

Headquarters,
June 1st, 1917.

1. Time for shoots are as follows :-

a.m.	12.30.	2.	4.	5.30.	6.15.	8.15.	9.45.	11.
p.m.	12.15.	3.	5.45.	7.15.	9.	10.15.	11.	11.45.

2. Bursts of 12 rounds in each shoot.

3. Targets:

- 16th Battery : BRIDGEHEADS, UNA AVENUE, UMPIRE ALLEY, UNCOMFORTABLE CRESCENT, UNCOMMON TRENCH.
- 17th Battery : UNCLE AVENUE, TROIS TILLEULS FARM, UNCHAINED AVENUE, UMBO RESERVE.
- 18th Battery : LA TRUIE FARM, UMBO LANE NORTH AND SOUTH, UNCLE DRIVE, ULTIMO LANE.

Special Targets:

16th Battery :	Bridges in U.S.S.C.	250 rounds.	100
	GEDILLA TRENCH.	100 rounds.	100
17th Battery :	DEULEMONT SUGAR REFINERY, LE CHEER Roads.	250 rounds.	150
	Wire cutting, U.S.S.C.	250 rounds.	100
18th Battery :	FUZE COTTAGE Road, LA BASSE VILLE Road.	250 rounds.	150
	UMBO ROW.	100 rounds.	75
	Wire in U.S.S.A. and C.	200 rounds.	100
106th Battery:	Dugouts, U.16.C.16.70., U.16.C.30.72., U.17.A.00.58. U.16.B.75.40.	150 rounds.	100
	Dumps, U.16.D.1.2., U.17.C.1.5.	100 rounds.	50
	Triangle in U.S.S.B.	200 rounds.	100
	House, U.24.C.85.85.	50 rounds.	50
	PETITE HAIE FME.	100 rounds.	50
	UMPIRE DRIVE NORTH & SOUTH.	100 rounds.	100

4. ACKNOWLEDGE.

Peapay Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION.

- No.1. 16th Battery.
- 2. 17th -do-
- 3. 18th -do-
- 4. 106th -do-
- 5. 3rd Aust.Div.Arty.
- 6. File.
- 7. War Diary.

"M" GROUP ARTILLERY OPERATION ORDER NO.P.10.

Headquarters,
June ~~xxxx~~ 1st, 1917.

Reference Map, PLOEGSTEERT, 1/10,000.

1. There will be a Corps Practice Barrage to-morrow the 2nd June in which "M" Group will participate.
2. Zero hour will be 3 p.m. Watches will be synchronised at 1.30 p.m.
3. Zones are allotted to Batteries as shown hereunder, and Batteries respectively will fire on these according to the time and task table annexed.

18th Battery	-	U.22.C.26.67.	to	U.28.A.47.92.
17th	-do-	U.28.A.47.92.	to	U.28.A.57.41.
16th	-do-	U.28.A.57.41.	to	U.28.A.80.00.
106th	-do-	U.22.C.28.30.	to	U.28.A.54.46.
4. Observation Post will be manned by an Officer to be detailed by O.C., 18th Battery.
5. A C K N O W L E D G E.

Deaper Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION:

- | | |
|------------|--------------------|
| Copy No.1. | 18th Battery. |
| 2. | 17th -do- |
| 3. | 18th -do- |
| 4. | 106th -do- |
| 5. | 3rd Aust.Div.Arty. |
| 6. | File. |
| 7. | War Diary. |

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APPENDIX

TASK TABLE.

Nature of gun.	Time.	Task.	Ammun. rds. per gun.	Remarks.
18-pars.	Zero minus 15 to Zero.	Front Line trench.	15 A.	L.R.P.G.P.M.
	Zero to Zero plus 2.	Front line trench.	6 A.	3. -do-
	Zero plus 2.	Lift to Support trenches.	6 A.	3. -do-
	Zero plus 4.	Lift 100 yards.	6 A.	3. -do-
	Zero plus 6.	Lift 100 yards.	6 A.	3. -do-
	Zero plus 8.	Drop on to front line.	6 A.	3. -do-
	Zero plus 10.	Cease Firing.		
	4,5"Hows.	Zero minus 15 to Zero.	Support Line.	15.
Zero to Zero plus 8.		Reserve Line.	10.	2. -do-
Zero plus 12.8.		Support Line.	4.	2. -do-
Zero plus 10.		Cease Fire.		

SECRET.

Copy No.....

"M" GROUP ARTILLERY OPERATION ORDER NO.P.12.Headquarters,
June 2nd, 1917.

1. Times for shoots are as follows :-

a.m.	12.20.	1.45.	3.	4.45.	6.15.	7.	7.45.	8.30.	10.	11.15.
p.m.	12.-2.	3.45.	5.	7.	7.45.	8.30.	9.30.	10.30.	11.30.	-

2. Bursts of 12 rounds in each shoot.

3. Targets:

16th Battery :	CEDAR TRENCH, CECIL SWITCH, CECIL SUPPORT, CECIL RESERVE.
17th Battery :	UNA STREET, UNA TRENCH, UNA AVENUE, UMPIRE ALLEY.
18th Battery :	Trenches U.16.A.8.4., UMBO ALLEY, UNCHAINED AVENUE, ULTRA TRENCH.

Special Targets:

16th Battery :	Bridges U.29.A.	150 rounds.
	Dumps, U.29.A.25.75.	100 rounds.
	Dugouts, U.23.D.05.70.	100 rounds.
17th Battery :	DEULEMONT Sugar Refinery, LA GHEER Road.	200 rounds.
	Telephone Exchange, U.23.D.0.6.	50 rounds.
	U.23.A.4.6.	50 rounds.
	Dump, U.23.B.00.65.	50 rounds.
18th Battery :	FUZE COTTAGE ROAD, LA BASSE VILLE Road.	200 rounds.
	Bridge, U.17.D.70.35.	100 rounds.
106th Battery:	Dumps, U.22.C.95.85.	25 rounds.
	U.17.D.40.55.	25 rounds.
	Headquarters, U.22.A.50.25.	25 rounds.
	U.22.D.15.25.	25 rounds.
	U.16.D.5.2.	25 rounds.
	Cable Exch., U.22.B.95.20.	25 rounds.
	U.23.A.0.9.	25 rounds.
	O.P. U.16.A.8.7.	25 rounds.

4. A C K N O W L E D G E.

Heaper
Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION:

No.1.	16th Battery.
2.	17th -do-
3.	18th -do-
4.	106th -do-
5.	3rd Aust.Div.Arty.
6.	File.
7.	War Diary.

"M" GROUP ARTILLERY OPERATION ORDER No.P.11.

Headquarters,
June 3rd, 1917.

Reference Maps 1/10,000.

28 S.W. Sheet 2.	WYTSCHAETE.	36 N.W. Sheet 2.	ARMENTIERES.
" " 4.	FLOEGSTERT.	" " 4.	BOIS GRENIER.
28 S.E. " 1.	WERVICQ.	36 N.E. " 1.	QUESNOY.
" " 3.	COMINES.	" " 3.	PERENCHIES.

1. Information.

(a) The enemy front opposite the Third Australian Division is at present held as follows :-

North of the DOUVE.

- 4th Army.
- 19th Corps.
- 49th Division (Saxons).
- Divisional-Headquarters is said to be at COMINES.

South of the DOUVE.

- 6th Army.
- 2nd Bavarian Corps.
- 4th Division. (Bavarian).
- Divisional-Headquarters is said to be at WAMBRECHIES - 3 miles North of LILLE.

(b) On a day to be known as 'Z' Day and at an hour to be known as 'ZERO' Hour the 2nd Army will advance to the capture of the MESSINES - WYTSCHAETE RIDGE.

The 3rd Australian Division will capture and hold the Southern portion of the ARMY objective.

The New Zealand Division will attack on the left of the 3rd Australian Division up to the Black Line. A copy of the New Zealand Division plan shewing the hours at which the various positions will be reached has been forwarded to 10th Australian Infantry Brigade.

The New Zealand Division intend to carry black and Yellow Artillery flags to indicate the line gained by the leading Infantry. These flags will not be stuck in the ground and will mean nothing unless they are waved. This is additional to the usual flares.

From the Black Line onwards the 4th Australian Division will co-operate on the Left of the 3rd Australian Division in the capture of the Green Line.

2. Intention.

The 3rd Australian Division will attack with the 9th and 10th Australian Infantry Brigades in front and the 11th Australian Infantry Brigade in reserve. The positions of assembly and tasks are as already detailed.

The 9th Australian Infantry Brigade will be responsible for the Capture of the Green Line from the River DOUVE Southwards.

Map No.1. issued with M.O. Circular No.29 should be amended accordingly.

'C' Battalion of the 10th Australian Infantry Brigade will thus complete its task on reaching the Black Line.

Consolidation of the Black Line and Black Dotted Lines will proceed simultaneously.

Provisional Plan for the Capture of the Green Line and enemy guns is as follows:-

After Capture of the Black Line a protective Barrage will be established in advance of it until plus 5.30. At this hour the barrage will commence to creep at a rate to be fixed later. This barrage will come to rest approximately 150 yards East of a line joining DESPAGNE FARM (O.33.B.) Point O.33.D.90.85. Road Junction O.33.D.90.10. to the Black Line on the left Boundary of the 3rd Australian Division. From plus 6.30 onwards Field Artillery will be diverted on to suitable targets under Divisional Arrangements but will be reformed on the S.O.S. Signal.

Under cover of the above barrage the New Zealand Division have been directed to establish a line of strong points to act as 'points d'appui' and jumping off places for the 4th Australian Division and as supporting points to the Green Line when captured.

The 3rd Australian Division are not affected as no advance will be made from the Black Line ~~xxxxxxxxxxxx~~ at plus 5.30.

At Zero-plus 0.30 the field artillery barrage will reopen and at plus 10 hours the 4th Australian Division will leave the line of posts and the 3rd Australian Division the Black Line in order to capture the Green Line, moving forward under a creeping barrage. During the period between the capture of the Black Line and the capture of the Green Line the Green Line system of trenches will be subjected to bombardment by the heavy artillery.

3. Divisional Boundary.

Map No.1. shows the 3rd Australian Divisional and Brigade Boundaries by the RED LINES AA & BB. Lines on which to consolidate are shown in BLACK and GREEN. The areas to be dealt with by each Brigade are shown in RED and BLUE for the Right Brigade, GREEN and BROWN for the Left Brigade.

4. Grouping of Artillery.

Field Artillery with the 3rd Australian Division consists of 5 Groups; 3 Groups (I,J,K.) 18-pars., I & J of 6 batteries each, K of 5 batteries. 1 Group (L Group) of 5 batteries 4.5" Howitzers. 1 Defensive Group (M-Group) consisting of 3 18-par batteries and 1 4.5"-Howitzer battery.

In addition to the above, 8 Heavy Trench Mortars and 24 2" Trench Mortars are allotted to this Divisional Artillery.

5. Artillery action on 'Z' Day.

Previous to the assault there will be no extensive artillery work carried out. Artillery work will be as usual until Zero hour. It is essential that there should be no increase or slackening in the rate of fire previous to Zero hour, and that everything should appear normal.

6. Artillery Action.

At Zero hour Artillery barrages will be put down as follows:-

(a) ADVANCING BARRAGE. 18-pounders.

The advancing barrage on the enemy's wire and front trench is as shown on Map No.2. Barrage will be put down at Zero on wire from NORTH Boundary to ULRICA SAP and on front line from ULRICA SAP to the SOUTH. On lifting to the support line, the barrage will follow the configuration of the trench with the exception that the lift from front line will not be less than 100 yards.

At ZERO plus 11, the barrage halts for 5 minutes to allow of the capture of LA DOUVE and AVENUE FARM.

At ZERO plus 16, the barrage again halts, and on moving on at ZERO plus 27, it pivots about the Right Flank - about U.15.B.92.88., advancing on the left until it straightens at Zero plus 45. The barrage on the left flanks then halts and remains on the UNGODLY SYSTEM, while the barrage south of the DOUVE RIVER advances, and the Infantry capture GREY FARM and ULSTER RESERVE system of Trenches.

At Zero plus 1 hour 56, Barrage North of the RIVER DOUVE advances, and meets the barrage standing South of the RIVER DOUVE at plus 1 hour 59 minutes.

The barrage moves forward on the left until at ZERO plus 2 hours 10 minutes, the protective barrage is formed, averaging 300 yards east of the Black Line as shown in RED on Map No.2.

This protective barrage rests until plus 5 hours 30 minutes. At plus 5 hours 30 minutes, the advancing barrage of the New Zealand Division front will advance to a time table, to a line 150 yards east of a line joining DESPAGNE FARM (O.33.B.) - point O.33.D.90.85. - Road junction (O.33.D.8.1.) to ZAREBA, thence joining up with the Black Line.

The Advance of the barrage on the New Zealand Division Front does not therefore affect the position of the Black Line Protective Barrage of this Division, but at Zero plus 5 hours 30 minutes the rate of fire will be increased in sympathy with the New Zealand Barrage, and continue firing at a slow rate until Zero plus 6 hours 30 minutes. At Zero plus 6 hours 30 minutes the barrage will stop, and the artillery will be diverted on to suitable targets, but will be reformed on the S.O.S. Signal.

At Zero plus 9 hours 30 minutes the barrage will re-open on the RED Line, - and at Zero plus 10 hours will jump on to UNCANNY and UNDULATING TRENCH, where it remains until Zero plus 10 hours 20 minutes. It then lifts to UNCANNY SUPPORT and UNDULATING SUPPORT and remains till Zero plus 10 hours 35 minutes. At 10 hours 35 minutes the protective barrage for the Green Line is formed 300 yards East of UNCANNY and UNDULATING SUPPORT.

Rate of Fire as per Appendix "A".

Exceptions:

- "K" Group, from Zero plus 1 hour 3 minutes onwards will fire only 1 round per gun per minute.
- "J" Group, from Zero plus 1 hour 3 minutes to Zero plus 2 hours 2 minutes will fire 1 round per gun per minute.

Both Groups will observe the slower rates of fire where ordered in the time table, and the times between which the barrage ceases.

S.O.S. ACTION.

Guns will immediately open on either the Black Protective Barrage Line (Red one) or the Green Protective Barrage Line (Brown one).

S.O.S. will be operative on the Black Protective Barrage Line from Zero plus 2 hours 10 minutes till Zero plus 10 hours.

S.O.S. will be operative on the Green Protective Barrage Line as follows:

S. of the RIVER DOUVE at any time after Zero plus 2 hours 10 minutes.

N. of the RIVER DOUVE as soon as the barrage reaches its final position (Brown Line), i.e. not before zero plus 10 hours 35 minutes. Should, however, any part of the barrage have reached its final position the rate of fire of those guns which have completed their task will be increased on signs of a hostile counter attack, or on receipt of the S.O.S. Signal.

Rate of Fire:

- 4 rds. per gun per minute for first 5 minutes.
- 2 rds. " " " next 20 minutes.
- 1 rd. " " " after.

During the protective barrage from the Black Line, 50% of the advancing barrage will search and sweep all ground to a depth of 1000 yards from the Black Line.

The guns detailed to carry out this searching and sweeping will only do so when all guns in the protective barrage in a Group are firing. Should this not be done, the Infantry may, seeing the barrage advancing advance under it, and suddenly find it on top of them again.

On no account will the searching and sweeping guns mentioned above be employed on this work later than half an hour before barrage moves forward again to a time table. The searching and sweeping mentioned above will be done under Group arrangements.

(b) STANDING BARRAGE.

The Standing Barrage will open at Zero hour on the German Support trenches, and will move from objective to objective as shown in Map No. 3.

The jump off an objective will take place on an average one minute before the advancing barrage moves off the same objective.

This standing barrage will stand as a protective barrage for the Black Line on the enemy's trench system UNCANNY - UNULATING - UNCERTAIN and UNCHAINED Trenches, sweeping and searching this Trench system.

After Zero plus 10 hours the Standing barrage North of the RIVER DOUVE will move in sympathy with the advancing barrage.

TIMES- As per Map No. 3.

At Zero plus 10 hours 34 minutes the Standing Barrage reaches its final position and remains on that Line. It ceases fire at Zero plus 11 hours 5 minutes.

RATE OF FIRE.

As for Advancing Barrage except that the rate of fire will not exceed two rounds per gun per minute during the time table.

S.O.S. ACTION.

For S.O.S. Action, the Standing Barrage S.O.S. Lines will be identical with the Advancing Barrage S.O.S. Lines, and the times between which the S.O.S. is operative on the different lines is the same as for the advancing barrage given in (a).

The Rate of Fire will be -

- 4 rds. per gun per minute for the first 5 minutes.
- 2 rds. " " " for the next 20 minutes.
- 1 rd. " " " after.

(c) 4.5" HOWITZER BARRAGE.

1. The 4.5" Howitzer Barrage will be put down on selected objectives as per Map No.4. Guns creep up all communication trenches, keeping 250 yards ahead of the advancing 18-par barrage. This barrage will stand on the enemy's trench system **UNCANNY- UNDULATING - UNCERTAIN - UNCHAINED TRENCHES** and **UNCANNY SUPPORT** as far North as **SEPTIEME FARM** (exclusive) as shown on Map No.4., searching this trench system until Zero plus 10 hours.

2. From Zero plus 10 hours to Zero plus 10 hours 35 minutes the barrage South of the River DOUVE remains on the same objective as before, and North of the River the barrage will be put down on **UNDULATING TRENCH** from RIVER DOUVE to U.4.C.28.42. and on **UNDULATING SUPPORT** from U.4.D.28.96. to 99.55. For **S.O.S. ACTION** from Zero to Zero plus-10 hours, the How. barrage remains on the trench system as above. From Zero plus 10 hours 35 mins. the barrage will be put down outside that of the field artillery barrage covering the enemy's line of approach and places where he may assemble for a counter attack. For **S.O.S. Action** Barrage will remain on these lines.

Rate of Fire.- 2 rounds per gun per minute, with exception that during long halts on trenches or strong points fire should be slackened to a rate of one to $\frac{1}{2}$ (one half) round per gun per minute. During the first and last 5 minutes of a halt rate of fire should be increased:-

First 15 minutes, of a Protective barrage, 1 rd. per gun.

Afterwards, one round per Battery.

7. "M" Group Action.

(a) "M" Group will take part in the advancing and standing barrages within its zone on 'Z' Day, up to the time the protective barrage is formed. The 16th and 18th Batteries are detailed for this work in accordance with Map No.2. After the protective barrage for the Black Line is formed, i.e. after Zero plus 1 hour 3 minutes, O.C. "K" Group will be responsible for the whole protective barrage for the black Line, and S.O.S. Action ~~front~~ the North of "K" Group Zone to **FACTORY FARM** as shown by the Brown Line in Map No.2. "M" Group will render support to "K" Group when-required as follows:-

- 18th Battery - Barrage **UNCHAINED TRENCH** from U.16.B.73.36. to U.10.D.42.18.
- 16th Battery - Barrage **ULTRA LANE** from U.16.C.38.04 to U.16.C.46.93.
- 17th Battery - Barrage from U.16.C.4.0. to **FLATTENED FARM**, U.16.KK.A.20.12.
- 108th Battery - Barrage **ULTIMO RESERVE** (inclusive) from **FLATTENED FARM** to **THATCHED COTTAGE** (inclusive).

(b) The 17th Battery will put up a smoke barrage on **UMBO ALLE Y** and **UNCLE TRENCH** between **UMBO ALLEY** and **ULTIMO LANE** from Zero to Zero plus 40 minutes. Rate of fire will be detailed later.

(c) The 106th Battery will be at the disposal of "S" Counter Battery Group except for such duties as elsewhere herein laid down.

Gas Shells are allotted for C.B. work as follows:-

L.4. - 216 J.B.R.

M.4. - 216 J.B.R.

540 S.K. or P.S.

At no time will S.K. or P.S. Gas shells be used to neutralise the batteries between the Black and Green Lines. In addition, 9922 Gas Shells are allotted for various targets. Further orders will be issued later.

8. Zone Calls.

The 18th Battery is detailed to answer Zone Calls. It will be available for answering Zone Calls whilst forming the protective barrage up to the Black Line and at any time after the Black Line, but not during the actual advancing barrage.

Squares allotted for Zone Calls to this Divisional Artillery are:

Divisional Artillery.	(A)	(B)
	Before Capture of BLACK LINE.	After-Capture of BLACK LINE.
3rd Aust. Divl. Arty. (including Defensive Brigade.)	U 9, 10, 15, 16, 22, 23, 28, 29, --	U 4, 5, 10, 11, 12, 16, 17, 18, 22, 23, 28, 29. --

9. Calls on Batteries.

The 16th Battery is detailed to be available to deal promptly with any situation arising from the start of the assault.

10. Calls by Aeroplanes.

On the hostile Infantry being seen to quit their trenches and advance, the observer will send down by wireless, S.O.S. followed by the Zone call. No map co-ordinate will be given. This will constitute a request to our artillery to put up a barrage on their S.O.S. Lines in that particular zone.

11. Hostile Retaliation.

Should the enemy attempt to bombard our trenches within 30 minutes before Zero hour the Divisional Artillery will not reply to the S.O.S. Signal, in order that there may be no danger of the Infantry mistaking our retaliatory action for the opening of the barrage.

12. F.O.O's.

O.P.s. will be manned by batteries as follows :-

U.27. - 18th Battery.

U.23. - 106th Battery.

C.F. - 16th Battery.

13. Photography.

Three machines will be available, one during each day from U to Y Day. All fire will be stopped for 15 minutes for photographic purposes. One hour's notice will be given.

14. Expenditure of Ammunition.

The ammunition position is shown in table annexed.

15. Maps.

The following maps will be carried by all officers:
 1/10,000 - showing enemy's lines.
 1/20,000 - showing enemy's lines.

7.

16. Watches. Instructions as to synchronisation of watches will be issued later.

17. ACKNOWLEDGE.

Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION:

Copy No. 1. 16th Battery.
2. 17th -do-
3. 18th -do-
4. 106th -do-
5. 3rd Aust. Div. Arty.
6. File.
7. War Diary.

---oO---

BARRAGE TABLE.

Nature of gun.	Frontage per gun.	Nature of barrage.	Remarks.
18-pdr.	27 yds. and 33 yds.	Advancing.	Barrage advances at lifts of 100 yards, composed of shrapnel, except where it forms a protective barrage, when H.E. may be substituted partly for shrapnel.
-dc-	55 yds. and 66 yds.	Standing.	Lifting from objective to objective as the creeping barrage reaches it, finally resting on the final protective barrage; 50% H.E., 50% shrapnel. Sweeping to cover the front allotted.

APPENDIX "G".

AMMUNITION TABLE.

(All figures are in rounds per gun.)

Nature of Gun.	"A" Ammunition. at guns on "U" Day.	"D" Ammunition. at guns at midnight X/Z.	"E" Estimated expenditure "Z" Day.	"F" Ammunition. at guns midnight Z/A.	"G" Ammunition at guns midnight A/B.
18-par.	1300	1050	550	500	250
4.5" How.	1100	930	350	580	180
30-par.	1000	450	250	280	140
6" How.	1100	545	225	220	160
8" How.Gun.	500	220	100	120	60
3" How.	650	350	150	200	100
9.2" How.	650	350	150	200	100
9.2" Gun.	120	60	20	40	20
2" How.	350	175	75	100	50
2" Gun.	100	65	25	40	20
15" How.	150	90	50	40	20

It is essential that these amounts are adhered to as closely as possible.

SECRET.

Copy No.....

"M" GROUP ARTILLERY OPERATION ORDER NO.P.15.

Headquarters,
June 3rd, 1917.

1. Times for shoots are as follows:-
- | | | | | | | | | | |
|------|--------|-------|--------|--------|-------|----|-------|--------|--------|
| a.m. | 12.30. | 2. | 2.45. | 3.30. | 4.15. | 6. | 8. | 10. | 11.30. |
| p.m. | 1.30. | 2.30. | 7.30. | 8. | 8.30. | 9. | 9.45. | 10.15. | |
| | | | 11.15. | 11.45. | | | | | |

2. Bursts of 12 rounds in each Shoot.

3. Targets:
- | | |
|----------------|--|
| 16th Battery : | GEDILLA SUPPORT, UNCOMFORTABLE CRESCENT, UNA ROW, UNA SUPPORT. |
| 17th -do- : | UMPIRE AVENUE, UMPIRE ROW, UMBRIA ST. NORTH and SOUTH, UNCLE AVENUE. |
| 18th -do- : | ULTRA LANE, UMBO SUPPORT, ULTIMO LANE, UNCHAINED AVENUE. |

- Special Targets:
- | | | |
|----------------|--|-------------|
| 16th Battery : | PONT ROUGE - PETITE HAIE FARM Road. | 200 rounds. |
| | Bridges in U.29.C. & U.29.A. | 150 rounds. |
| | PETITE HAIE FARM. | 50 rounds. |
| 17th Battery : | DUELEMONT Sugar Refinery - LA GHEER Road. | 200 rounds. |
| | House in U.23.D.7,2, | 50 rounds. |
| | TROIS TILLENS FARM. | 50 rounds. |
| 18th Battery : | Sugar Refinery LA TRUIE FARM Road to UNCHAINED TRENCH. | 150 rounds. |
| | LA TRUIE FARM. | 75 rounds. |
| | FLATTENED FARM. | 50 rounds. |
| 106th Battery: | WHITE FARM. | 25 rounds. |
| | Building in U.29.C.65.95. | 25 rounds. |
| | LOOPHOLE FARM. | 25 rounds. |
| | GANGERS COTTAGE. | 25 rounds. |
| | Cable Exchanges in U.17.A.&D. | 250 rounds. |
| | Headquarters in U.29.C. | 50 rounds. |

4. ACKNOWLEDGE.

Deane
Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION:

- Copy No.1. 16th Battery.
2. 17th -do-
3. 18th -do-
4. 106th -do-
5. 3rd Aust.Div.Arty.
6. File.
7. War Diary.

Headquarters
23rd June 1917.

Reference Map. Ploegsteert 1/10,000.

1. There will be a Corps Practice Barrage at a time and date to be fixed, in which "M" Group will participate.
2. Matches will be synchronised for this operation at 1.30 p.m.
3. Zones are allotted to Batteries as shown hereunder, and Batteries respectively will fire on these according to the time and task table annexed.

15th Battery - U 22 C 26.67 to U 28 A 47.92.
 17th " U 28 A 47.92 - U 28 A 57.41
 16th " U 28 A 57.41 - U 28 A 80.00
 106th " U 22 C 28.30 - U 28 A 57.46.

4. Acknowledge.

Task Table

Gun	Time	Task	Rds per gun	Remarks
18 ^{pd}	Zero minus 10 to zero	Front Line	20 A	3 R. P. G. P. M.
	Zero	Lift off front line and commence advancing at lifts of 100 yards every two minutes up to U 22 C 9.8 to U 22 D 1.2 to U 28 D 3.3, and remain on these lines until zero plus 12.	36 A	3 R. P. G. P. M.
	Zero plus 12.	Drop on to Support Trench	6 A	3 R. P. G. P. M.
5 th Hows	Zero minus 10 to zero plus 14.	Reserve Trenches.	2 H	1 R. P. G. P. M. (a proportion of 106 fuzes to be used)

The left flank gun of each 18^{pd} battery will fire smoke shells from zero to zero plus 12.

SECRET.

P/14/1.

"M" GROUP ARTILLERY.
-----Headquarters,
June 3rd, 1917.MEMORANDUM as to Operation Orders P.13. and P.14.

It is not certain as to whether Operation P.13.
or P.14. will take place to-day.

If P.13. takes place the Zero hour will be at 3 p.m.

If P.14. takes place Zero hour will be at either
3.15 or 4.15 p.m.

Which operation is to be undertaken will be
indicated by the following code messages :-

P.13. Zero at 3 p.m.	-	"CARBENE".
P.14. Zero at 3.15 p.m.	-	"NEWHAVEN".
P.14. Zero at 4.15 p.m.	-	"ALLAWA".

Deputy Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION:

To all recipients of Operation Orders Nos. P.13. and P.14.

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SECRET.

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

"M" GROUP ARTILLERY OPERATION ORDER NO.P.14.

Headquarters,
June 3rd, 1917.

Reference Map. FLOESTERT. 1/10,000.

1. There will be an ARMY Practice Barrage at a time and date to be fixed, in which "M" Group will participate.
2. Watches will be synchronised for this operation at 1.30 p.m.
3. Zones are allotted to batteries as shown hereunder, and batteries respectively will fire on these according to the time and task table annexed.
 - 16th Battery - U.22.C.26.67. to U.22.A.47.92.
 - 17th -do- - U.22.A.47.92. to U.22.A.57.42.
 - 18th -do- - U.22.A.57.42. to U.22.A.80.00.
 - 106th -do- - U.22.C.26.30. to U.22.A.54.46.
4. A C K N O W L E D G E.

Heaper
Lieut.
Adjutant, "M" Group Artillery.

DISTRIBUTION.

- Copy No.1. 16th Battery.
- 2. 17th -do-
- 3. 18th -do-
- 4. 106th -do-
- 5. 3rd Aust.Div.Arty.
- 6. File.
- 7. War Diary.

-----000-----

TASK TABLE.

Nature of gun.	Time.	Task.	Ammunition and Rate.
18-par.	Zero to Zero plus 15.	Zero to Zero plus 5 mins. of the front line; Zero plus 5 mins. to Zero plus 9 mins. on the support line, then advance by a lift of 100 yards till Zero plus 11 mins.; then advance by a lift of 100 yards and remain till Zero plus 15 minutes.	Zero to Zero plus 3 mins. Smoke Shell, 10 rounds per gun per minute. Zero plus 3 mins. to Zero plus 15 mins., Shrapnel, 3 rounds per gun per min.
4.5" How.	Zero minus 15 mins. to Zero minus 10 mins.	Bombard points in the Support line.	1 round per how. per min.
	Zero minus 10 mins. to Zero.	-do-	2 rds. per How. per min.
	Zero to Zero plus 15.	Bombard points in the Reserve line.	Zero to Zero plus 3 mins., Smoke Shell, 3 rounds per How. per minute. Zero plus 3 mins. to Zero plus 15 mins., H.E., 2 rds. per how. per min.
	Zero plus 15 minutes.	CEASE FIRE.	

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ARMY REHEARSAL BARRAGE TABLE (Amended).

Zero Hour - 3.15 pm., 3rd. or 4th. June.

<u>Nature of gun.</u>	<u>Time.</u>	<u>Task.</u>	<u>Rate of fire</u>	<u>and</u>	<u>Remarks.</u>
(advancing barrage) 18-Pdrs.	Zero to Zero plus 15.	Tasks as for "Z" Day.	18 Pdrs detailed for the Advancing Barrage will commence the barrage by firing smoke shell from Zero to Zero plus 2, at a rate of 4 rds. a gun a minute on the Offensive Front and ten rounds a gun a minute on the Defensive Front.		
	Zero plus 15.	Cease fire.	At Zero plus 2, the shrapnel and H.E. barrage will commence, and the rate of fire will drop to 3 rds. a gun a minute for all guns, up to Zero plus 15.		
18 Pdrs. (standing barrage)	Zero to Zero plus 15.	Tasks as for "Z" Day.	3 rds. a gun a minute.		Shrapnel & H.E.
4.5" Hows.	Zero minus 15 to Zero minus 10.	Bombard points in the Front and Support Lines.	1 rd. a gun a minute.		H.E.
	Zero minus 10 to Zero.	do. do.	2 rds. a gun a minute.		H.E.
	Zero to Zero plus 2.	Tasks as for "Z" Day.	3 rds. a gun a minute.		Smoke Shell only.
	Zero plus 2 to zero plus 15.	do. do.	2 rds. a gun a minute.		H.E.
	Zero plus 15.	Cease fire.			
Heavy Artillery.	Zero minus 15 to zero minus 10.	Bombard strong points trenches etc.	(6" Hows. 1 rd. a gun a minute. 8" & 9.2" Hows. 1 rd. a gun in 2 minutes 12" & 15" Hows. 1 do. in 3 minutes		
	Zero minus 10 to zero plus 15.	do. do.	(6" Hows. 1½ rds. a gun a minute. 8" & 9.2" Hows. 1 rd. a gun a minute. 12" & 15" Hows. 1 do. in 3 minutes.		

From zero minus 15 to Zero, 18 Pdrs. should be employed on their normal tasks. Counter Battery work should be less than normal and should be employed chiefly on a few well known enemy batteries. All known enemy A.A. guns should be kept under neutralising fire. Normal Counter Battery work and bombardments will be resumed at 3.45 p.m. All guns and Howitzers with the exception of forward silent batteries, and batteries on HILL 63 will be employed for this ~~work~~ programme.

APPENDIX

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SECRET.

Copy No. 7

"M" GROUP ARTILLERY OPERATION ORDER NO.P.16.

Headquarters,
June 5th, 1917.

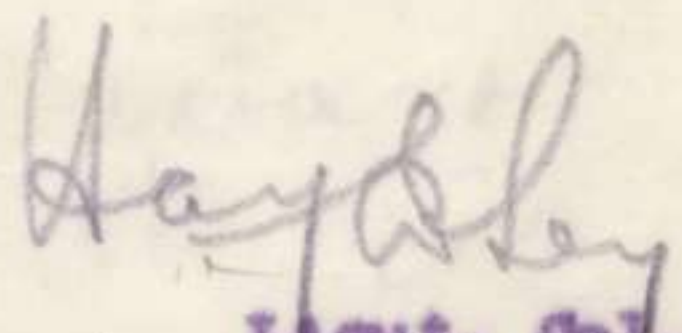
Reference Map. FLORESBERG. 1/10,000.

1. There will be an ARTY Practice Barrage at 3 p.m. to-day in which "M" Group will participate.
2. Watches will be synchronised for this operation at 1 p.m.
3. Zones are allotted to batteries as shown hereunder, and batteries will fire on these according to the time and task table hereunder:
 - 18th Battery - U.22.C.36.67. to U.22.A.47.92.
 - 17th -do- - U.22.A.47.92. to U.22.A.57.41.
 - 18th -do- - U.22.A.57.41. to U.22.A.60.00.
 - 106th -do- - U.22.C.38.30. to U.22.A.54.46.

4. Task Table.

Nature.	Time.	Task.	Rate.
18-pdrs.	Zero to Zero plus 5 mins.	Front Line.	3.R.P.G.P.M.
	Zero plus 5 to Zero plus 9 minutes.	Support Line.	-do-
	Zero plus 9 to Zero plus 10 minutes.	Left 100 yards.	-do-
	Zero plus 10.	CEASE FIRE.	
4.5" Hows.	Zero to Zero plus 10 mins.	Bombard points on the Reserve Line.	3.R.P.H.P.M.
	Zero plus 10.	CEASE FIRE.	

5. ACKNOWLEDGE.


 Lieut. Col.
 C.O., "M" GROUP Artillery.

DISTRIBUTION:

- Copy No. 1. 16th Battery.
- 2. 17th -do-
- 3. 18th -do-
- 4. 106th -do-
- 5. 3rd Aust. Div. Arty.
- 6. File.
- 7. War Diary.

SECRET.

Copy No.....

"M" GROUP ARTILLERY OPERATION ORDER NO.P.18.

Headquarters,
June 10th, 1917.

1. INTENTION.

The 3rd Australian Division will capture the POTTERIE SYSTEM on night 10th/11th instant, and will establish a new line of posts as follows :

- No.1. At FUZE COTTAGE.
- No.2. Half Way between FUZE COTTAGE and AVENUE COTTAGE.
- No.3. At AVENUE COTTAGE.
- No.4. In the vicinity of LA POTTERIE MOAT.
- No.5. At the Western end of KNOLL 27.
- No.6. Close to the RIVER DOUVE.

2. ARTILLERY ACTION.

(a) A Barrage will be put down by 18-pars as follows :-
Zero to Zero plus 5 minutes.-

From U.4.B.64,56. - U.4.D.36,20. - U.4.C.26,38. -
U.10.A.73,70. along UNCERTAIN TRENCH to U.10.D.04,42. -
U.10.D.08,00. - U.16.B.32,36. - down ULTIMO LANE to the
present PROTECTIVE BARRAGE LINE.

This Barrage will advance Eastwards at 100 yards every 1 1/2 minutes till it reaches a line :

U.5.A.88,52. - U.4.D.68,16. - U.10.B.60,22. -
U.11.C.12,12. - U.16.B.82,36., where it will halt for 30
minutes and then cease fire.

(b) RATE OF FIRE:

- 3 (three) rds. per gun per minute for the first 5 minutes.
- 2 (two) " " " " " " next 10 "
- 1 (one) " " " " " " remaining period.

(c) After the operation referred to above, the "S.O.S." and Protective Barrage will be put down on a line :

U.5.A.88,52. - U.4.D.68,16. - U.10.B.60,22. -
U.11.C.12,12. - U.16.B.82,36., thence along ULTIMO LANE where
it meets the old Protective Barrage Line.

3. OUR ACTION:

The Batteries of "M" and "M.I." Groups will fire on their respective S.O.S. areas on the front and support line trenches at such a range as to safely clear our own front line, from Zero to Zero plus 15 minutes

RATE OF FIRE:

Zero to Zero plus 5 : 2 rds. per gun per minute.
Zero plus 5 to Zero plus 15 : 1 rd. per gun per minute.

4. HOWITZERS:

4.5" Howitzers will fire on the following points from Zero to Zero plus 40 minutes :-

- U.5.B.68,36. U.5.B.88,10.
- Battery at U.6.C.00,24.
- FME DE LA CROIX in W.11.B.
- U.11.A.62,17. U.11.A.38,88.
- U.11.D.00,52. U.11.D.16,82.
- SUNKEN FARM-IN U.11.C. LA TRUIE FARM, U.17.A.
- WARNETON.

Rate of Fire: 1 rd. per How. per 2 minutes.

For "S.O.S." purposes Howitzers will fire on the above points, the remaining available Howitzers searching the country East of the line mentioned in para 2 (c).

The 106th Battery will not take part. - - -

8.

5. **SWEEPING.**
On the arrival of the guns on the final barrage lines, until "Cease Fire", 80% of the guns will search and sweep to a distance of 1,000 yards East of the Protective Line, one battery being detailed to the DOUVE VALLEY.
6. **ZERO HOUR.**
Zero hour will be 11 p.m. night 10th/11th June, 1917.
Watches will be synchronised at 10.15 p.m.
7. **ACKNOWLEDGE.**

W. R. Butler
for Lieut. Colonel.
Commanding, "H" Group Artillery.

DISTRIBUTION:

- No.1. 16th Battery.
2. 17th -do-
3. 18th -do-
4. 106th -do-
5. H.L. Group Artillery.
6. File.
7. War Diary.

28

SECRET.

APPENDIX.

Copy No.//118

"M" GROUP ARTILLERY OPERATION ORDER No.P.19.

Headquarters,
June 18th, 1917.

1. At 12 noon to-day, the 18th instant, "M" Group will consist of :
 - 6th Brigade, Aus.F.A.
 - 93rd Brigade, R.F.A.
 - 18th Brigade, Aus.F.A.
2. From that time the Group front will be from UNA AVENUE inclusive to the DOLLS HOUSE, U.24.C., inclusive - Northern Boundary.
RIVER LYS - Southern Boundary.
3. Until the 18th Brigade Aus.F.A. is emplaced and registered this front will be covered as follows :
 - 93rd Brigade R.F.A. from U.28.C.7.9. to C.4.A.43.73.
 - 6th Brigade, Aus.F.A. from C.4.A.43.73. to RIVER LYS.

Upon the 18th Brigade, Aus.F.A. being registered, which ~~will~~ will be notified by telephoning the code "RABBET ARRIVED", the front will be covered as follows :

 - 93rd Brigade R.F.A., U.28.C.7.9. to C.4.A.7.4.
 - 6th Brigade Aus.F.A., ~~EXX~~ C.4.A.7.4. to C.10.B.6.7.
 - 18th Brigade Aus.F.A. C.10.B.6.7. to RIVER LYS.
4. The 106th Howitzer Battery will act on special instructions but in principle will cover the whole front, on strong points, communication trenches and emplacements.
5. The following are the Group O.Ps.
 - BUTCHERS SHOP.
 - LAWRENCE FARM.
 - MOLLY - U.28.A.02.45.
6. Liaison will be maintained with the Right Infantry Battalion at SURREY FARM. The Liaison Officer will be furnished, until further orders, by the 93rd Brigade R.F.A. A roster will be published when the 18th Brigade Aus.F.A. is emplaced. The SURREY FARM Officer will be accompanied by a Sergeant as well as telephonists, and will provide a watch during the night for S.O.S. Signals.
7. All Batteries must be registered on and prepared to concentrate on the areas of any other batteries, in accordance with the attached plan, on receipt of the call "S.O.S." followed by the letter indicating the area to be barraged.
8. The Battery covering the trench from which the call emanates will immediately place a barrage at the rate of 4 rounds per gun per minute on "NO MANS LAND" as close to our own Trench as safety permits. After two minutes this barrage will creep forward till it reaches the enemy front line, where it will remain at the rate of two rounds per gun per minute till the situation is cleared up.
The Battery on either flank will open, but on the Enemy's Front Line parapet, at the rate of two rounds per gun per minute. Further action will depend on the situation.
9. ACKNOWLEDGE.



Proper Lieut.
Adjutant, "M" Group Artillery.

APPENDIX.

DISTRIBUTION.

- Copy No. 1. 4th N.Z.I.B.
- 2. 16th Battery.
- 3. 17th -do-
- 4. 18th -do-
- 5. 100th -do-
- 6. 45ra -do-
- 7. 46th -do-
- 8. 48th -do-
- 9. 93rd Brigade R.F.A.
- 10. File.
- 11. War Diary.
- 12. Spare. 3rd DIV. ARTY

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