

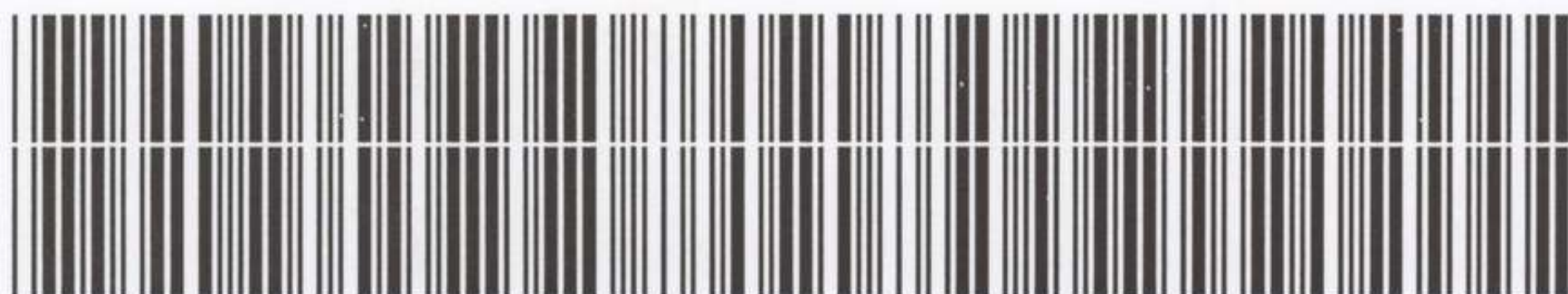
AWM4
Australian Imperial Force unit war diaries,
1914-18 War

Artillery

Item number: 13/25/31 Part 1

Title: Headquarters, 36th Heavy Artillery
Group

August 1918



AWM4-13/25/31PART1

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Australian Imperial Force.

WAR DIARY

OF

36th (Aust) A.I. Brigade

FOR

August 191*8*

Signature of Officer compiling

J. McCabe Lieut.

Signature of Officer Commanding

*J. H. Angus Lieut Col R.A.
Commanding 36th Aust A.I. Bde*

WAR DIARY

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INTELLIGENCE SUMMARY

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(Erase heading not required.) 36TH (AUST) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	1		<p>Visibility very poor all day.</p> <p>Gas concentrations were fired during the day and night on GAUL FARM and BECKETTS Corner, also the usual harassing of roads and tracks.</p> <p>3 Concentrations on hostile Batteries, 4 neutralizations and 1 "NF" call taken up during the day.</p> <p>The usual harassing of roads and tracks carried out during the night.</p> <p>No. of guns in action during the 24 hours 23. No. of rounds fired 1568.</p>	<p>genc</p>
	2.		<p>Visibility all, raining nearly all day.</p> <p>353 Siege Battery carried out a very successful shoot on F.72 with aeroplane observation.</p> <p>4 Neutralisations, 7 Concentrations and 2 "NF" Calls on hostile Batteries were put down during the day.</p> <p>Several concentrations were fired during the day on enemy's billets, also on BLANCHE MAISON, and 3 Farms, and during the night on AUK HOUSE and area.</p> <p>140 Heavy Battery had a few shells fall in their vicinity, no casualties or damage.</p> <p>140 Heavy Battery to change their Wagon lines to Q.14.e.65.55 by 2.0p.m.</p> <p>The usual harassing fire on roads and tracks carried out during the night.</p> <p>Infantry established a post at X.22.c.0.7 - P.197/2.</p> <p>No. of guns in action for the 24 hours 22. No. of rounds fired 2038.</p>	<p>genc</p>
	3.		<p>Visibility fair, improving later in the day.</p> <p>353 Siege Battery carried out 2 successful shoots during the day with aeroplane observation on FB.75 and FB.79.</p> <p>10 Concentrations, 2 neutralisations and 1 "NF" Call answered during the day.</p> <p>155 S.B. and 140 Heavy Battery carried out a very successful registration.</p> <p>353 Siege Battery fired 24 rounds "Air Burst Ranging" on HULLEBERT FARM with satisfactory results.</p> <p>353 S.B. and 140 Heavy Battery datumed guns during the day.</p>	<p>genc</p>
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36TH (AUST) BRIGADE R.G.A.
Commanding 36th (Aust) Brigade, R.G.A.

J.A. Amey

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INTELLIGENCE SUMMARY

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36TH (AUST) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	3.		<p>The usual harassing of roads and tracks was carried out during the night.</p> <p>151 Heavy Battery came in for a rather heavy hostile neutralising and harassing fire from 5'9" and 4'2" Hows. during the day, but carried out all tasks allotted to them.</p> <p>No. of guns in action during the 24 hours 24. No of rounds fired 1518.</p> <p>Weekly health and sanitation report.</p>	June
	4.		<p>Visibility poor in the morning, fair in the afternoon and evening.</p> <p>155 Siege Battery carried out a very destructive aeroplane shoot on FB.68 and billets in the vicinity.</p> <p>10 neutralisations, 5 concentrations and 3 "NF" calls were taken up during the day.</p> <p>353 Siege Battery did a further "Air Burst Ranging" series with very satisfactory results.</p> <p>151 H.B. and 2nd Aust. Siege Battery were successfully datumed with visual observation.</p> <p>Gas concentrations on "Three Farms" and other areas were fired during the day and night.</p> <p>The usual harassing of roads and tracks with both H.E. and Gas during the night.</p> <p>151 Heavy Battery was again subjected to very heavy hostile fire during the night, but the Battery carried out all tasks allotted.</p> <p>155 Siege Battery - one gun to Workshops Firing plunger damaged.</p> <p>An Officer to investigate a dump of alleged 5'9" Ammunition in X.26.a.8.9.</p> <p>353 Siege Battery one gun out of action for 3 hours, packing gland in recuperator being replaced.</p> <p>No. of guns in action during the 24 hours 22. No. of rounds fired 1688.</p>	June
	5.		<p>Visibility very bad owing to rain.</p> <p>155 Siege Battery carried out a very successful aeroplane destructive shoot on FD.103.</p> <p>353 Siege Battery had to abandon a similar shoot on AA.34 owing to rain.</p> <p>2 Concentrations were fired on ACTON CROSS.</p> <p>353 Siege Battery attempted an "Air Burst Ranging" series, but had to abandon it owing to poor visibility.</p> <p>7 neutralisations, 5 concentrations and 4 "NF" calls were answered during the day.</p> <p>Harassing fire as usual was carried out on roads and tracks during the hours of darkness.</p>	June

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INTELLIGENCE SUMMARY

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36TH (AUST) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	5.		<p>A preliminary datum with H.A.R.S. was carried out by 155 Siege Battery preparatory to the aeroplane shoot.</p> <p>2nd Aust. Siege Battery report No. 4 gun out of action, sent to Workshops for repair.</p> <p>A report on short shooting was received, but as it was clearly proved not to be any Battery of this Brigade, no further action was taken.</p> <p>Lieut. TUCK of 353 Siege Battery transferred to American Expeditionary Force.</p> <p>1st Aust. Siege Battery to rejoin this Brigade, and to take up a position prepared for 263 Siege Battery.</p> <p>Telephones were put out of action for 12 hours, and visual work resorted to with very good results. - O.P. 104/4.</p> <p>Guns in action during the 24 hours 22. No. of rounds fired 1276.</p>	
	6.	9	<p>Visibility good all day.</p> <p>151 Heavy Battery attempted an aeroplane destructive shoot but was unsuccessful owing to poor visibility.</p> <p>3 neutralisations, 3 "N.Fs" and 5 concentrations on hostile Batteries were put down during the day.</p> <p>3 Concentrations were fired on RUE MONTIGNY, KISMET HOUSE, and NUTTEBILK FARM by all Batteries in the Brigade, with reported good effect.</p> <p>2nd Aust. Siege Battery and 140 Heavy Battery carried out a successful datuming with visual observation from their respective O.ps.</p> <p>155 Siege Battery carried out an instructional shoot for Junior Officers with very good results, out of 12 rounds fired - one direct on the house, and one in the Moat was observed.</p> <p>155 Siege Battery carried out a very successful registration with No. 6 Observation F.S.C. on TIGER FARM.</p> <p>The usual harassing of Roads and Tracks was carried out during the night.</p> <p>1st Aust. Siege Battery not to move for a few days.</p> <p>140 Heavy Battery taking two guns into forward position.</p> <p>Guns in action during the 24 hours 22. No. of rounds fired 1493.</p>	
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INTELLIGENCE SUMMARY.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	7.		<p>Visibility very bad all day.</p> <p>10 concentrations, 9 neutralisations and 5 "NFs" were answered during the day.</p> <p>2 Contractions on area in vicinity of THREE FARMS were put down during the day, and owing to low visibility harassing fire was kept up during the day as well as throughout the night.</p> <p>140 Heavy Battery fired a few rounds with good effect on a working party in F.16</p> <p>No. of guns in action during the 24 hours 20. No. of rounds fired 1511.</p> <p>29th Division established a Post at E.12.c.8.2. as in P.197/3.</p>	
	8.		<p>Visibility poor during the morning improving later.</p> <p>353 Siege Battery carried out a very successful shoot with aeroplane observation on FB.46, the squadron report that all 3 pits were damaged.</p> <p>151 Heavy Battery carried out a successful aeroplane shoot on AC.16, the fire for effect being very good. Shoot finally interrupted by low clouds.</p> <p>7 neutralisations, 8 concentrations and 2 "N.Fs" were answered during the day.</p> <p>1 "NF" from No. 9 Balloon received and fired on.</p> <p>Gas concentrations were fired on areas within the vicinity of KISMET HOUSE, NUTTEBILK, and BECKETT'S CORNER.</p> <p>155 Siege Battery and 151 Heavy Battery carried out a successful datuming shoot.</p> <p>353 Siege Battery had to again abandon an "Air Burst Ranging" series owing to bad visibility.</p> <p>Harassing at Normal rates carried out during the night.</p> <p>9th D.A.C. will allow 151 Heavy Battery to occupy position, worked to be commenced and a report rendered when ready to move in.</p> <p>155 Siege Battery one gun to Workshops for repairs.</p> <p>No. of guns action during the 24 hours 20. No. of rounds fired 1812.</p> <p>Enemy retiring on the XI and XIII Corps front on line as laid down in I.285.</p> <p>Amendment to S.O.S. to S.O.S. As laid down in S.O.S. 48/1.</p>	
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INTELLIGENCE SUMMARY

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36TH (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	9.		<p>Visibility very poor during the day.</p> <p>353 Siege Battery carried out a successful aeroplane destructive shoot on FB.72 but was not completed owing to low clouds.</p> <p>5 Neutralisations, 6 "N.Fs" and 2 concentrations on hostile Batteries were put down during the day.</p> <p>Two concentrations were fired on each of the areas of STEAM MILL, NOOTE BOOME, PONT WEMEAU.</p> <p>155 Siege Battery attempted a registration on TIGER FARM with H.A.R.S. but was unsuccessful owing to bad visibility.</p> <p>2 Aust Siege Battery datumed on F.4.d.48.44 satisfactorily with No. 6 Observation Section.</p> <p>The usual night harassing of roads and tracks was carried out during the night.</p> <p>151 Heavy Battery was again severely handled by a hostile 4'2" How. but the Battery carried out all tasks allotted.</p> <p>353 Siege Battery to arrange new rest billets at HONDEGHEM.</p> <p>140 Heavy Battery one gun out of action, spindle of oscillating sight broken.</p> <p>No. of guns in action during the 24 hours 20. No. of rounds fired 1812.</p> <p>Line runs as shown in P197/6 and posts established as shown in P197/4.</p>	
	10.		<p>Visibility poor in the morning, improving to very good during the afternoon.</p> <p>151 Heavy Battery carried out a successful aeroplane shoot on FD22.</p> <p>9 neutralisations, 7 "N.Fs" on hostile Batteries answered during the day.</p> <p>Concentrations were carried out on several centres of activity, these were observed by F.O.O. who reported that the M.P.I. was well on the target and very compact.</p> <p>155 S.B. 2nd Aust S.B. 353 S.B. and 140 Heavy Battery each did a shoot with Balloon observation "ANF" on F.8.b.1.1., FB.71, FB.79, FD.23, each Battery in turn was silenced.</p> <p>5 Balloon "N.Fs" were answered during the evening.</p> <p>A Test "XX" Call was received from the air and fired on by Batteries of this Brigade.</p> <p>The harassing of roads and tracks at normal rates was carried out during the night.</p> <p>1 Gun and Team and 1 Wagon and Team to be entered for Horse Show for each of the Heavy Batteries.</p> <p>151 Heavy Battery had to temporarily abandon their position owing to hostile shelling.</p>	

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INTELLIGENCE SUMMARY

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36th (AUSTRALIAN) BRIGADE R.G.A.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August.			
	12th		<p>Visibility very poor.</p> <p>No destructive shoots were attempted owing to poor visibility.</p> <p>Concentrations (Gas and H.F.) were fired during the day on HULLBERT FARM, on suspected German Headquarters in A.3.a., Houses in F.21.a. and centre of activity in F.27.d.</p> <p>7 Neutralisations, 6 concentrations and 1 N.F. on hostile Batteries were put down during the day.</p> <p>Commencing today 2nd Aust Siege Battery will put 50 rounds per day into OUTERSTEENE with visual observation.</p> <p>The usual harassing of roads and tracks carried out during the hours of darkness.</p> <p>No. of guns in action during the 24 hours 1880. No. of rounds fired 1880.</p> <p>23.</p>	
	13th.		<p>Visibility good in the early morning and late at evening.</p> <p>155 Siege Battery carried out a very successful aeroplane destructive shoot on FB.164, after ranging the fire for effect was very good. 353 Siege Battery did a similar shoot on AA24, but this shoot was interfered with by the presence of hostile aircraft. However 2 direct hits were observed in No. 2 Pit.</p> <p>151 Heavy Battery attempted an aeroplane destructive shoot but was unsuccessful owing to bursts being difficult to observe. Shoot abandoned.</p> <p>140 Heavy Battery did two successful shoots on hostile active Batteries with No. 32 Balloon. Hostile Battery was quietened.</p> <p>In support of an operation of the Corps on our left all Batteries fired concentrations of Gas and H.F. on enemy's billets in cellars in BAILLEUL in S.13.d. Also on a suspected German Headquarters at F.20.d.15.15 and F.27.b.80.87.</p> <p>140 and 151 Heavy Batteries took up a GF call on enemy MOTOR TRANSPORT on road at A.20.a.5.2., results not known.</p> <p>2nd Aust Siege Battery carried out a successful observed shoot with on OUTERSTEENE during the day, causing a considerable amount of damage and two fires.</p> <p>155 S.B. fired at dispersed a party of Huns in F.10.c.</p>	

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36TH (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August 13th		<p>The usual harassing fire at normal rates throughout the night was fired.</p> <p>No. of rounds fired during the 24 hours 2382. No. of guns in action 25.</p>	J.M.S.
	14th		<p>Visibility poor all day.</p> <p>353 S.B. carried out a very successful aeroplane destructive shoot on AA15 with fair results.</p> <p>155 Siege Battery replied to a Balloon ANF with No. 9 Balloon with very satisfactory results.</p> <p>2nd Aust Siege Battery was taken off their task of shooting up OUTERSTEENE and given the job of destroying TERRAPIN HOUSE. One O.K. was observed but owing to bad visibility the shoot had to be abandoned. This shoot was also somewhat interfered with by other Batteries shooting on the same target making observation very difficult.</p> <p>The usual harassing fire of roads and tracks was carried out during the night.</p> <p>Batteries to take over positions as laid down in P.202.</p> <p>No. of rounds fired during the 24 hours 1972. No. of guns in action 27.</p>	J.M.S.
	15th		<p>Visibility only fair throughout the day.</p> <p>353 S.B. carried out a very successful aeroplane shoot on FD50. One gun during this shoot was found to be shooting very wide.</p> <p>155 S.B. carried out a shoot for the purpose of establishing a relationship between the HUMP and the ECONOMY driving bands with very satisfactory results.</p> <p>2nd Aust Siege Battery carried out a very successful destructive shoot with No. 6 Observation Group on DERMOT HOUSE, considerable damage being done.</p> <p>Batteries replied and neutralised hostile Batteries on the order Counter Barrage "B".</p> <p>9 N.Fs. and 8 concentrations carried out during the day.</p> <p>All Batteries took part in a concentration on CORIN FARM.</p> <p>The usual harassing fire on roads and tracks was carried out at normal rates during the night.</p> <p>Orders for O.C. 155 S.B. to reconnoitre new Battery position at P.20.5.</p>	J.M.S.

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INTELLIGENCE SUMMARY.

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36TH (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	15th		<p>Orders for the move of 151 Heavy battery into a position selected to carry out special tasks that will be allotted to them in the operation of taking OUTTERSTEENE.</p> <p>No. of rounds fired during the 24 hours 1856. No. of guns in action 28.</p>	
	16th		<p>Visibility only fair.</p> <p>General Collingwood and C.O. paid a visit to all Batteries.</p> <p>An hostile raid thought possible, batteries were warned to be ready to open up on GAZA Cross Roads and METEREN BECQUE immediately they were called on.</p> <p>140 H.B. 155 and 353 Siege Batteries opened up on Counter Barrage "A" during the night.</p> <p>10 neutralisations, 1 concentration and 2 N.Fs. were put down during the day.</p> <p>The usual harassing of roads and tracks at normal rates was put down during the hours of darkness.</p> <p>Line now runs as laid down in P.197/8.</p> <p>S.O.S. signal as in S.O.S. 51.</p> <p>No. of rounds fired during the 24 hours 1166. No. of guns in action 27.</p>	
	17th		<p>Visibility poor all day.</p> <p>353 S.B. carried out a successful aeroplane destructive shoot on AB71. Direct hits were obtained and the fire for effect was very good. This shoot was somewhat delayed owing to the presence of E.A.</p> <p>2nd Aust Siege Battery took on the job of destroying TERRAPIN HOUSE in F.3.a. which they succeeded in doing after they fired 81 rounds. This same Battery also fired 150 rounds on hedges and in F.3.b. which were reported to be occupied by an enemy Battalion. This shoot was observed by No. 6 Observation Group with good results.</p> <p>2 very large explosions caused and a number of smaller ones. During the shoot the Observers had the satisfaction of seeing the Huns running in all directions, and it was thought that many casualties were caused as the M.P.I. was well on the target from the first to the last round.</p>	

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INTELLIGENCE SUMMARY

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36th (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	17th		<p>6 neutralisations, 3 concentrations and 1 N.F. answered during the day.</p> <p>151 Heavy battery carried out a successful registration on HOEGNACKER MILL with visual observation from O.P. GORE.</p> <p>The usual night harassing was fired during the night on all roads and tracks in the Brigade Sector.</p> <p>S.O.S. again changed as in S.O.S. 53 and Batteries to be prepared to answer same as in S.O.S. 51/1.</p> <p>00/68/2 and 00/68/3 instructions given to 60-pdrs. re their part of the programme.</p> <p>Operation Order No. 98 giving all details.</p> <p>No. of rounds fired during the 24 hours 1774. No. of guns in action 24.</p>	
	18th		<p>Visibility poor early, but was quite good later on.</p> <p>Batteries of the Brigade were kept very busy throughout the day in support of the Operation carried out by the Centre and Left Divisions. Over 6000 rounds were fired by Batteries in this Operation. The Operation was entirely successful.</p> <p>S.O.S. up at 3.16p.m. Batteries opened up on S.O.S. lines at 3.19p.m. and kept firing on these lines searching back a distance of 1500 yards in 50 yard lifts and falls until 8.37p.m. A few rounds of Gas was sprinkled amongst the H.E.</p> <p>10 neutralisations and 10 N.Fs. on hostile Batteries were answered during the day.</p> <p>Some of the Observers had rather a good time strafing different parties of Huns which they did in every case with reported good results.</p> <p>The usual harassing of roads and tracks in the Brigade Sector was carried out during the night, particular attention being paid to those those which were thought most likely to be most used by the enemy in the owing to the day's operation.</p> <p>Targets were given for Batteries to open fire on the order, "Neutralised Counter attack!" These targets were fired on many times during the day.</p> <p>151 H.B. was sent to take up a position at Esc 3.3.4 Esc 3.3.4 for this stunt and are reported to have done quite excellent work.</p> <p>Amendment to 60-pdr. S.O.S. Table, S.O.S. 48/4.</p> <p>Amendment No. 2 to 00/68/4 and No. 1 as in 00/68/6.</p>	

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36th (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August.			
	18th		Code to be used should it be necessary to cancel the Operation as in 00/98/5. No. of rounds fired during the 24 hours 6141. No. of guns in action 25.	Jan's.
	19th		Visibility good all day. 353 S.B. carried out a successful aeroplane destructive shoot on AAL3 with very good results. During early hours of the morning the S.O.S. was again put up. Batteries took only 3½ minutes to open fire. Batteries fired 365 rounds on this call. 353 S.B. carried out a very successful calibration with No. 6 Observation Group on F.5.a. 45.50. and in addition to having the results of a good calibration several explosions and fires were caused on the target. 2nd Aust Siege Battery carried out a very successful registration on F.17.a.70.95 with visual observation from KILGOBBIN. 13 neutralisations, 2 concentrations and N.Fs. were answered on hostile Batteries during the day. The usual harassing fire on roads and tracks at double normal rates was carried out during the night. No. of rounds fired during the 24 hours 2751. No. of guns in action 23.	Jan's.
	20th		Visibility very poor during the day, improving later in the evening. Batteries were kept very busy firing on 21 neutralisations and 14 concentrations. 7 NFs. were also fired on. The day being dull, the day harassing of roads and tracks at half normal rates was carried out, and the usual harassing fire at normal rates during the hours of darkness was fired. 140, 151 Heavy Batteries, and 353 Siege Battery opened fire on Counter Barrage "B". Report forwarded re reconnaissance carried out by the C.O. in conjunction with Battery Commanders as in P.211.	Jan's.

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INTELLIGENCE SUMMARY

36th (AUSTRALIAN) BRIGADE R.G.A.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	20th		<p>Move of 151 H.B. as laid down in P.208/1 and P.208.</p> <p>Amended points in S.O.S. for Howitzer Batteries as laid down as in S.O.S. 46. and for 60-pdrs. as in S.O.S. 48/5 and 48/7.</p> <p>Programme for Batteries in this Brigade to assist in the taking of DRANOUTRE RIDGE As in 00/09.</p> <p>No. of rounds fired 1926. No. of guns in action 24.</p>	
	21st.		<p>Visibility only fair.</p> <p>353 S.B. carried out a very successful aeroplane destructive shoot on Fb83, the results being very satisfactory.</p> <p>140 H.B. attempted a registration on STEENWERKE Church but was unsuccessful owing to low visibility.</p> <p>153 S.B. was successfully registered on TIGER FARM by No. 6 Observation Group.</p> <p>140 H.B. successfully registered on Cross Roads at NOOTE BOOM with observation by No. 32 Balloon.</p> <p>Harassing fire was carried out by all Batteries at half normal rates during the day, and at normal rates on all roads and tracks in the Brigade Sector during the night.</p> <p>16 neutralisations and 4 N.Fs. were fired on.</p> <p>140 Heavy battery one gun out of action, piston trouble, also the I.O.M. was asked to inspect one gun that had fired over 15,000 rounds.</p> <p>Orders received from Counter Battery that all ANFs. to be taken on by Batteries will be detailed by them.</p> <p>Information re the operation carried out by Divisions received and forwarded to Btys. under P.197/10.</p> <p>A detailed list of moves of Batteries as shown in P.214.</p> <p>Number of rounds fired during 24 hours 1304. No. of guns in action 23.</p>	<p><i>This should be 15000 as originally stated</i></p>
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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	22nd.		<p>Visibility poor in the morning improving later.</p> <p>2nd Aust Siege Battery carried out a successful aeroplane destructive shoot on A.14.a.90.02 - C.80.99 - 72.85 - 67-90.</p> <p>16 neutralisations and 6 NFs. were fired on during the day.</p> <p>The usual night harassing of roads and tracks was carried out during the night.</p> <p>Rather a quiet day.</p> <p>353 S.B. were shot up by a hostile 21 cm. How. but no damage or casualties were caused, and all tasks allotted were carried out.</p> <p>140 Heavy Battery - one gun out of action - excessive recoil.</p> <p>Tabulated table giving the expenditures of Ammunition in the Corps makes very interesting reading and clearly shows that this Brigade has done quite its share of work see Appendix.</p> <p>No. of rounds fired during the day 1200. No. of guns in action 22.</p>	
	23rd.		<p>Visibility poor all day.</p> <p>353 S.B. carried out a successful aeroplane destructive shoot on AB.2.</p> <p>155 S.B. had to abandon a similar shoot on FD42. owing to bad visibility.</p> <p>13 neutralisations and 12 NFs. were fired on during the day.</p> <p>A test "XX" call came down from the air and was fired on by Batteries that could reach.</p> <p>155 S.B. was successfully registered on DOULIEU Church.</p> <p>The usual harassing of roads and tracks at normal rates was carried out during the night.</p> <p>140 H.B. one gun out of action - excessive recoil.</p> <p>155 S.B. and 353 S.B. to move forward as laid down in P.214/1, this move was cancelled during the evening.</p> <p>This Brigade moved its Headquarters to an advanced position just below CAESTRE at Q.32.d.5.5. as in P.203/2.</p> <p>No. of rounds fired during the 24 hours 1386. No. of guns in action 23.</p>	

WAR DIARY

Army Form C. 2118.

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

INTELLIGENCE SUMMARY

-14-

(Erase heading not required.)

36TH (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August.			
	24th		<p>Visibility very poor in the morning, better in the afternoon.</p> <p>353 S.B. carried out a shoot with aeroplane observation on AB33. but the shoot was greatly interfered with by the presence of hostile aircraft.</p> <p>155 S.B. met a similar fate with their shoot on AA81. owing to bad visibility.</p> <p>A concentration was fired on road running through the Southern portion of BAILLEUL by all guns and Howitzers that could reach.</p> <p>6 neutralisations and 6 double concentrations, and 15 N.Fs. were answered during the day.</p> <p>The usual harassing of roads and tracks carried out at reduced rates during the night.</p> <p>O.C. 155 S.B. to reconnoitre a position for an O.P. on OUTERSTEENE Ridge as in O.P. 141.</p> <p>No. of rounds fired during the 24 hours 1013. No. of guns in action 23.</p>	
	25th		<p>Visibility fair.</p> <p>No aeroplane shoots were attempted.</p> <p>Batteries fired a good many concentrations during the day and only one neutralisation, no NF. calls were received.</p> <p>155 S.B. successfully carried out 2 registrations on DOULIEU Church.</p> <p>140 and 151 Heavy batteries did likewise on STEENWERKE Church.</p> <p>2 Aust S.B. shoot with good effect at a hostile party working in and about house in F.30.a.00.99.</p> <p>The usual harassing fire at ^{the} reduced rate was carried out during the night.</p> <p>The C.O. left on leave to the United Kingdom. Major Lennard of 151 H.B. temporarily took command.</p> <p>155 S.B. to move forward as in P.217/1.</p> <p>Normal rates of harassing fire as laid down in F.I. 179/5.</p> <p>No. of rounds fired during the 24 hours 730. No. of guns in action 25.</p>	

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.

INTELLIGENCE SUMMARY.

-15-

(Erase heading not required.)

30th (AUSTRALIAN) BRIGADE RGA.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	26th		<p>Visibility fair.</p> <p>No aeroplane destructive snoots were attempted.</p> <p>9 neutralisations, 8 concentrations and 4 N.Fs. were fired on during the day.</p> <p>140, 151, 353 and 2 Aust S.B. all opened fire for 10 minutes on Counter Barrage "B".</p> <p>A concentration on houses at NOOTE BOOM was fired on by all Batteries.</p> <p>140, 155 and 151 carried out very successful registrations during the day with visual observation from O.Ps.</p> <p>The usual harassing fire on roads and tracks at the reduced rate was fired during the night.</p> <p>S.O.S. 48/8/ gives an amended list of targets for 60 pdrs. All previous lists should be destroyed.</p> <p>No. of rounds fired during the 24 hours 1035. No. of guns in action. 26.</p>	
	27th.		<p>Visibility very fair.</p> <p>Batteries were kept fully employed during the day shooting up hostile Batteries in support of operations carried out on our right front.</p> <p>The outstanding feature was the large number of N.Fs. fired on by Batteries of this Brigade, i.e. 58. In addition to this a very large number of neutralisations and concentrations were carried out, 2065 rounds being fired on these tasks.</p> <p>155 Siege Btty. successfully shot up a hostile battery AC16 with Balloon observation.</p> <p>140 Heavy Battery were very heavily neutralised, but absolutely refused to be quietened, and although shells were falling within five and ten yards of the guns, they were still in action and kept on sending their stuff across. Not once during the whole day did the Battery go out of action.</p> <p>During the night the usual harassing of probable centres of activity were harassed at the reduced rate.</p> <p>No. of rounds fired during the 24 hours 2356. No. of guns in action 22.</p>	
A6945 Wt. W11422/M1160 350,000 12/16 D. D. & L. Forms/C./2118/14.				

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.

INTELLIGENCE SUMMARY

-16-

(Erase heading not required.)

36TH (AUSTRALIAN) BRIGADE R.G.A.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	August			
	28th		<p>Visibility poor all day.</p> <p>Batteries had a very quiet day.</p> <p>6 concentrations fired on Hostile Batteries AA84 and AA85.</p> <p>The usual harassing fire at the reduced rate carried out during the hours of darkness.</p> <p>No. of rounds fired during the 24 hours 444. No. of guns in action 22.</p>	<p>g.m.s.</p>
	29th		<p>Visibility fairly good.</p> <p>Batteries were kept busy from mid-day in support of the operation being carried out on our right front.</p> <p>353 S.B. carried out a successful aeroplane shoot on AA84 with fairly good results, although the shoot was interfered with by to a certain extent by hostile aircraft.</p> <p>155 S.B. carried out two very successful shoots with balloon observation on hostile batteries A.8.b.25.60, A.C.3.1.</p> <p>1 neutralisation and about 25 N.Fs. were answered during the afternoon.</p> <p>151 H.B. attempted 2 registrations with Observation Group and balloon, unsuccessfully, neither being at all satisfactory, only registration for line being effected.</p> <p>The usual harassing of roads and tracks during the hours of darkness was carried out.</p> <p>No. of rounds fired during the 24 hours 1232. No. of guns in action 22.</p>	<p>g.m.s.</p>
	30th		<p>It was discovered that the enemy had retired all along the front, and Batteries which could reach were put on to harassing fire on the roads well behind BAILLEUL. The enemy had set alight to all large farms and villages, and a registration on distant targets was found to be impossible owing to the large clouds of smoke.</p> <p>3 concentrations, 1 neutralisation and 5 NF calls were answered during the afternoon.</p> <p>151 Heavy Battery and 155 Siege Battery each moved a section forward into X.21.a. and X.15.a. respectively, 151 H.B. being then temporarily handed over to 33 Brigade RGA. for use against the retiring enemy.</p> <p>Day and night harassing of roads which the enemy would most likely be using was carried out by all guns and Hqs. that could reach.</p>	

WAR DIARY

OF

36TH (AUSTRALIAN) BRIGADE R.G.A.

FOR

AUGUST

1918

LIST OF APPENDICES.

No.

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V.	AMMUNITION EXPENDITURE TABLE.
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XXXVII.	HEALTH AND EQUIPMENT.

Results of Air Burst Ranging

350

350

APPENDIX

19

Secret

EXTRACT from XV Corps Order No. 213.

Para. 1.

29th Division has been released from Second Army Reserve and will be transferred from X Corps to XV Corps. Move to commence 1st August 1918.

Para. 2.

1st Australian Division will be relieved in the STRAZEELE Sector by the 29th Division. Relief to be completed by 6 a.m., 4th August.

Para. 4.

The Brigade of the 40th Division in the line under the orders of the G.O.C., 1st Australian Division will come under the orders of the G.O.C., 29th Division on completion of relief.

Para. 9.

Command of STRAZEELE Sector will pass from G.O.C., 1st Australian Division to G.O.C., 29th Division at 10 a.m. 3rd August at which hour Division Headquarters will be established as follows :-
29th Division - ST. SYLVESTRE CAPPEL
1st Australian Division - WARDRECQUES.

36TH (AUSTRALIAN) BDE., R.G.A.
No. 250
Date.....

(Sd) D.J.CORRIGALL, Major
for Brigadier-General,
General Staff.

- 2 -

XV Corps H.A.No: GC/7/46.
30/7/1918.

36th Brigade, RGA.
45th Brigade, RGA.

Forwarded for your information.

8/8/18
H.Q. H.A. XV Corps,
30th July, 1918.

J.H. Tomason
a/Brigade Major, Heavy Arty., XV Corps. Major,

350

36th Brigade, RGA.
45th Brigade, RGA.
"X" Brigade, RGA.

XV Corps H.A. No: GO/1/5.
1/8/18.

File

Reference daily Intelligence Reports.

Single Grid bearings forwarded to this office are of no use. The grid bearings received from O.P's should be set out at Brigade Hd.Qrs. and if locations are established they should be reported, otherwise facts about balloons, fires and explosions must be reported in general terms.

H.Q. H.A. XV Corps,
1st August, 1918.

Brigade Major, Heavy Artillery, XV Corps.

(AUSTRALIAN) BDE.,
R.G.A.

No. 1283

Date.....

JAH

M. J. M.

Major,

SECRET.EXTRACT FROM 9th DIVISION ORDER NO.254.2.8.18.Para. 1.

On the night 3rd/4th August 9th Division will take over a portion of the front now held by 29th Division.

Para. 2.

27th Inf. Brigade will relieve 38th Inf. Brigade 29th Division on the front to be taken over. Details will be arranged between Brigades.

36TH (AUSTRALIAN) BDE., R.G.A.
No. 1287
Date.....

- 2 -

(Sd) T.C.MUDIE.
Lt. Colonel.
General Staff.
9th (Scottish) Division.

XV Corps H.A.No: GC/7/49.
3/8/1918.

33rd Brigade, RGA.
36th Brigade, RGA.

Forwarded for your information.

H.Q. H.A. XV Corps,
3rd August, 1918.

W.A.

J. Somers
for Brigade Major, Heavy Artillery, XV Corps.

Major,
XV Corps.

SECRET.

50th Brigade, R.F.A.
 51st Brigade, R.F.A.
 119th A.F.A. Brigade.
 6th Trench Mortar Brigade.
 33rd Brigade, A.C.A.

No. 203/400/44. 4th August 1918.

36TH
 (AUSTRALIAN) SDE.
 R.G.A.

No.

289

Date

3. African Infantry Brigade will
 relieve 27th Infantry Brigade in the Night
 Brigade Sector of the 6th Division front on the
 night 5th/6th instant.

H. Marshall

Captain,
 Brigade Major,
 R.A., 6th Division

SECRET.

EXTRACTS FROM 9th DIVISION ORDER No.255.

Para. 1.

One Battalion S. African Infantry Brigade will relieve one Battalion 27th Infantry Brigade in Brigade Reserve, Right Sector on the night 4th/5th instant, and will come under orders of 27th Infantry Brigade. The Battalion, 27th Infantry Brigade relieved will occupy accommodation vacated by the relieving Battalion.

Para. 2.

S. African Infantry Brigade will relieve 27th Infantry Brigade in the Right Brigade Sector of the 9th Division front on the night 5th/6th instant.

Para. 4.

27th Infantry Brigade will relieve S. African Infantry Brigade in Corps Reserve and will take over the same accommodation.

(s/d) T.C.MUDIE,
Lieut-Colonel.
General Staff.
(9th (Scottish) Division.

36TH (AUSTRALIAN) BDE., R.G.A.
No. 7289
Date.....

- 2 -

XV Corps H.A.No.GC/7/52.
4/8/18.

33rd Bde. R.G.A.
36th Bde. R.G.A. ✓

For your information.

[Signature]

for
Major.
Brigade Major, Heavy Artillery, XV Corps.

[Red Stamp]

350

SECRET.XV Corps H.A. No: GF/1/131.
6/8/18.

1st Brigade, RGA.
13th Brigade, RGA.
53rd Brigade, RGA.
36th Brigade, RGA. ✓
45th Brigade, RGA.
64th Brigade, RGA.



Reference my GF/1/125 of 3rd inst. The inter-brigade
boundary of Centre Division is E.12.b.85.75.

H.Q. H.A. XV Corps,
6th August, 1918.

Blodney
Major,
Brigade Major, Heavy Artillery, XV Corps.

Copy to :- C.B.S.O.

John

350

S E C R E T

50th Brigade, R.F.A.
51st Brigade, R.F.A.
119th A.F.A. Brigade.
9th Trench Mortar Brigade.
33rd Brigade, R.G.A.
36th Brigade, R.G.A.

36TH
(AUSTRALIAN) BDE.,
R.G.A.

2289/1

No. B.5/438/45. 10th August 1918.

2. 27th Infantry Brigade will relieve S.African
Infantry Brigade in the Right Brigade Sector on the
night 11th/12th August.

S.African Infantry Brigade will relieve 26th
Infantry Brigade in the left Brigade Sector on the
same night.

gjh

G. H. Bonner

for
Captain,
Brigade Major,
R.A., 9th Division.

350
APPENDIX

350

SECRET.

36TH
(AUSTRALIAN) BDE.,
RGA.
No. 289/1
Date.....

9th Division Order No. 256.

10.8.18

1. (a) 27th Inf. Bde. will relieve S.African Inf. Bde.
in the Right Brigade Sector on the night 11th/12th August.
(b) S.African Inf. Bde. will relieve 26th Inf. Bde.
in the Left Brigade Sector on the same night.

(Sd) T.C. Mudie,
Lieutenant Colonel
General Staff,
9th (Scottish) Division.

- 2 -

XV Corps H.A. No:GC/7/54.
10/8/18

33rd Brigade, RGA.
36th Brigade, RGA.✓

The above extracts from 9th Division Order No.
256 are forwarded for your information.

H.Q.H.A., XV Corps,
10th August 1918., Brigade Major, Heavy Artillery, XV Corps. Major.

W. Stoddart

W. Stoddart

350

SECRET.

APPENDIX L

28

36TH (AUSTRALIAN) BDE., R.G.A.
No. <u>9298</u>
Date.....

29TH DIVISION ORDER NO. 231.

Ref. Sheet 27.
1/40,000

12th August, 1918

- (1) (a) On the night of 14/15th August the 87th Inf. Bde. will relieve the 88th Inf. Bde. in the Left Sector of the Divisional Front.
- (b) The Nucleus Company of the 87th Inf. Bde. will relieve the Nucleus Company of the 80th Inf. Bde. and become responsible for the defence of the C. Line of the 2nd Zone within the 87th Bde. sector.
- (c) All details of relief will be arranged direct between G. Os. C. Concerned.

(Sd) H.E. BOAK. Lt-Col.
for Lieut-Colonel, G.S.
29th Division.

- 2 -

XV Corps H.A. No. GC/7/56.
12/8/1918.

36th Brigade, RGA. ✓
45th Brigade, RGA.

For your information.

H.Q.H.A., XV Corps,
12th August, 1918.

Major.
Brigade Major. Heavy Artillery, XV Corps.

[Handwritten signature]

[Handwritten signature]

SECRET.Copy No. 29.29th DIVISION ORDER NO. 232.15th August 1918.

1. The 29th Division will take over the front West of the METEREN BECQUE from the 9th Scottish Division.
2. On the night of the 15th/16th August, the 37th Inf. Bde. will extend its front northward as far as the METEREN BECQUE, (exclusive), relieving the troops of the 27th Inf. Bde. at present holding this portion of the front.
All details of relief will be arranged direct between G.Os.C. concerned.
3. Completion of relief will be wired to Divisional Headquarters.



(Sd) W. BOAK. Lt-Col.
for Lieut.Colonel, G.S.
29th Division.

- 2 -

XV Corps H.A.No: GC/7/60.
15/8/1918.

33rd Brigade, RGA.
36th Brigade, RGA. —

Forwarded for your information.

H.Q. H.A. XV Corps,
15th August, 1918.

for Brigade Major, Heavy Artillery, XV Corps.

Major,
XV Corps.

350

350

APPENDIX 1

30

50th Brigade, R.F.A.
 51st Brigade, R.F.A.
 113th A.F.A. Brigade.
 119th A.F.A. Brigade.
 186th Brigade, R.F.A.
 53rd Brigade, R.G.A.
 36th Brigade, R.G.A.
 9th Trench Mortar Brigade.

SECRET

No. 5/438/46. 17th August 1918.

36th Infantry Brigade will relieve S.A. Infantry Brigade, less 9th Batta. Scottish Rifles, in the Left Brigade Sector of 9th Division front on the night 18th/19th August.

A. MacDonell

Captain,
 Brigade Major,
 R.A., 9th Division.

SECRET.

36TH
(AUSTRALIAN) BDE.,
R.C.A.

17-8-18.

EXTRACT FROM 9th. DIVISION ORDER NO.288.

1. 26th. Inf. Brigade will relieve S.A. Inf. Brigade, less 9th Battn. Scottish Rifles, in the Left Brigade Sector of 9th Division front on the night 18th/19th August.

(Sd) T.C.MUDIE.

Lt.Colonel.
General Staff.
9th (Scottish) Division.

- 2 -

XV Corps H.A.No: GC/7/61.
18/8/1918.

33rd Brigade, RGA.
36th Brigade, RGA.✓

Forwarded for your information.

H.Q. H.A. XV Corps,
18th August, 1918.

Major,
Brigade Major, Heavy Artillery, XV Corps.

36TH
(AUSTRALIAN) BDE.,
R.G.A.
No. 9304
Date.....

50th Brigade, R.F.A.
51st Brigade, R.F.A.
113th A.F.A. Brigade.
119th A.F.A. Brigade.
186th Brigade, R.F.A.
D.T.M.O., 9th Division.
33rd Brigade, R.G.A.
36th Brigade, R.G.A.

No. B.5/410/144. 19th August 1918.

On the night 19th/20th August the present boundary between the Right and Left Infantry Brigade will be changed and the new boundary will be fixed provisionally as follows:-
Road from CLAPBANK - EPSOM CROSS - X.27.b.25.90. (inclusive to Right Brigade) - X.21.b.00.10. - X.15.c.70.10. to the present boundary at X.9.c.55.00.

H. MacDonald

Captain,
Brigade Major,
R.A., 9th Division.

JAW

SECRET.Extract from 9th DIVISION ORDER No. 289.19 : 8 : 1918.

para. 1. 26th Inf. Brigade will take over the front from 27th Inf. Brigade up to the EPSOM CROSS - CLAPBANK Road (exclusive) on the night 19th/20th.

para. 2. The boundary between the Right and Left Brigade Sectors will be provisionally fixed as follows :-

CLAPBANK - EPSOM CROSS - BRAHMIN BRIDGE ROAD to X.27.b.25.90 (inclusive to the Right Brigade) - X.21.b.0.1., - X.15.c.7.1. to the present boundary at X.9.c.55.00.

(Sd) T.C.MUDIE.
Lieut-Colonel.
General Staff.
9th (Scottish) Division.

- 2 -

XV Corps H.A.No.GC/7/62.
19/8/18

33rd Brigade, RGA.
36th Brigade, RGA.

For your information.

H.Q.H.A., XV Corps.
19th August, 1918.

Brigade Major, Heavy Artillery, XV Corps. Major.

350
350
SECRET.

EXTRACT FROM 29th DIVISION ORDER NO.235.

19th August, 1918.

Ref. Sheet 27.
1/40,000

- (1) (a) On the night 20th/21st August, the 88th Inf. Bde. will relieve the 87th Inf. Bde. in the Left Sector of the Divisional Front.

36TH (AUSTRALIAN) BDE., R.G.A.
No. <u>315</u>
Date.....

(Sd) H.E. BOAK. Lt.Col.
for Lieut.Colonel, G.S.
29th Division.

- 2 -

XV Corps H.A.No: GC/7/63.
20/8/1918.

36th Brigade, RGA.
45th Brigade, RGA.

Forwarded for your information.

H.Q. H.A. XV Corps,
20th Aug, 1918. Major,
Brigade Major, Heavy Artillery, XV Corps.

JWH

W. B. Boak

36TH
(AUSTRALIAN) BDE.,
R.G.A.

SECRET

50th Brigade, R.F.A.
51st Brigade, R.F.A.
113th A.F.A. Brigade.
119th A.F.A. Brigade.
186th Brigade, R.F.A.
D.T.M.O., 9th Division.
33rd Brigade, R.G.A.
36th Brigade, R.G.A.

No. L 314

Date.....

No. B.5/410/147. 20th August 1918.

The Boundary between the Right and Left Infantry
Brigades has been altered to run as follows :-

Junction of Road and Light Railway at X.22.d.0.1. -
X.22.c.45.05. - Southwest corner of the ENCLOSURE (X.21.d.5.9.)
to present inter-Brigade boundary at X.9.c.5.0.

P. M. Dando

Captain,
Brigade Major,
R.A., 9th Division.

Alt

SECRET.

AMENDMENT NO. 1 TO 9th DIVISION ORDER NO. 289

36TH
(AUSTRALIAN) BDE.,
R.G.A.No. I 313

1. Cancel para 3 and substitute :-

The boundary between Right and Left Brigade Sectors is fixed provisionally as follows :-

Junction of Road and Light Railway at X.22.d.0.1.-
X.22.c.45.05. - South-west of the ^{corridor} ENCLOSURE (X.21.d.5.9.)
to present inter - Brigade boundary at X.9.c.5.0.

(Sd) T.C.MUDIE.
Lieut-Colonel.
General Staff.
9th (Scottish) Division.

- 2 -

XV Corps H.A. No GC/7/62.
21/8/18.

33rd Brigade, RGA.
36th Brigade, RGA.

For your information.

H.Q.H.A., XV Corps.
21st August, 1918.

Major.
Brigade Major Heavy Artillery, XV Corps.

36TH
(AUSTRALIAN) BDE.,
R.G.A.
I 311
Date

350

(Not to be taken forward of Bde. H.Q.)

SECRET.

Extract from 31st DIVISION ORDER NO. 366

21 Aug. 1918.

1. The 40th Division is relieving the 31st Division in the Right Divisional Sector of the Corps.
The 31st Division will relieve the 9th (Scottish) Division in the Left Divisional Sector.
3. The 31st Divisional Artillery (with 28th Army Bde. R.F.A.) and 31st Bn. H.G. Corps will remain temporarily in Right Divisional Sector, but they will move shortly to the Left Sector.
7. Command of the Right Divisional front will pass to G.O.C. 40th Division at 5.0 p.m. on the 22nd inst., when the 31st Div. Headquarters will open at RENESCURE. All units 31st Division remaining in the Right Divisional Sector after this hour will come under the orders of G.O.C. 40th Division whilst in the Sector.
Brigadier Commanding 92 Inf. Bde., who remains at SENATOR HOUSE, D.17.a.3.5., will be available for giving information to Brigades in the line until he moves on the 24th instant.
8. G.O.C. 31st Division will take over command of the Left Divisional Sub-sector at 10 a.m. on the 25th inst., when 31st Div. H.Q. will open at P.36.c.2.6.

(Sd) W.B. SPENDER.
Lieut-Colonel.
General Staff.
31st Division.

- 2 -

XV Corps H.A. No. GC/7/68.
21/8/18

1st Brigade, RGA.
33rd Brigade, RGA.
36th Brigade, RGA.
45th Brigade, RGA.
64th Brigade, RGA.
"X" Brigade, RGA.

For your information.

H.Q.H.A., XV Corps.
21st August, 1918.

Major.
Brigade Major Heavy Artillery XV Corps.

Copies to :- C.B.S.O.
H.A.R.S.
R.O., H.A.
S.C. Signals.

SECRET.

9th. DIVISION ORDER NO. 291.

36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. I 308

Date.....

1. From 10 a.m. 23rd instant, the Southern Divisional boundary will run as follows :-

Front line to METEREN BECQUE as at present - METEREN BECQUE to RIALTO BRIDGE inclusive to 9th Division - ROUGE CROIX inclusive to 9th Division to the present Divisional boundary at W.15.b.6.3.

Details will be arranged between Brigade Commanders concerned.

22/8/18.

(SD). T.C. MUDIE. Lt-Col.,
G.S. 9th Division.

- 2 -

133rd Brigade, RGA.
56th. Brigade, RGA. —

XV Corps H.A. No. GC/7/71.
22/8/18.

For your information.

H.Q. H.A. XV Corps.
22nd. August, 1918.

Major,
Brigade Major, Heavy Artillery, XV Corps.

APPENDIX

36TH
(AUSTRALIAN) BDE.
R.G.A.

No. 1318.

SECRET.

EXTRACTS from 9th. DIVISION ORDER No. 292.

On the night 24th/25th instant, 93rd Inf. Brigade will take over from 26th Inf. Bde, the front as far North as the GAZA CROSS - COOTE CORNER road (inclusive).

The Inter-Brigade boundary will then run as follows:-

The point where the front line crosses GAZA CROSS - COOTE CORNER road (road inclusive to Right Brigade) - X.22.a.0.5. - GAZA CROSS - METEREN road (inclusive to Left Brigade) to X.15.b.5.0. - thence road running N.W. to X.9.c.5.0. (road inclusive to Left Brigade) thence as at present.

On the night 24th/25th, 94th Inf. Brigade will relieve 26th Inf. Brigade in the Left Brigade Sector from GAZA CROSS - COOTE road (exclusive) to the Left Divisional Boundary.

23-8-18.

(SD). T.C.MUDIE. Lt Colonel,
G.S. 9th (Scottish) Division.

- 2 -

XV Corps H.A: No. GC/7/76.
24/8/18.

33rd. Brigade, RGA.
36th. Brigade, RGA.

For your information.

H.Q. H.A. XV Corps.

24th. August, 1918. Brigade Major, Heavy Artillery, XV Corps.

Major,

SECRET.

R.A. XV Corps: No. F.2/188.

EXTRACTS from XV CORPS ORDER No. 224.

Ref. Sheets :- 27 & 28: 1/40,000.

On night 27th/28th August, XV Corps will take over the front from the X Corps up to the following boundary :-

R.32.c.6.4. - North end of WIGHAM COPSE - R.34.c.5.0. - Cross-roads X.5.b.3.1. - S.7.b.1.9. - thence down ST. JANS CAPPEL - BAILLEUL - ARMENTIERES road (road inclusive to XV Corps.)

36th Division will arrange with 31st Division to establish combined posts at the following points :-

Front Line.	...	...	S.8.c.1.7.
<u>Junction of 'Z' and BLUE Line.</u>	...	...	X.4.a.9.9.

XV Corps.
25/8/18.

(SD). J. CORRIGALL, Major for
Brigadier-General, G.S.

- 2 -

XV Corps H.A: No. GC/7/79.
26/8/18.

1st. Brigade, RGA.
33rd. Brigade, RGA.
36th. Brigade, RGA.
45th. Brigade, RGA.
64th. Brigade, RGA.
"X" Brigade, RGA.

For your information.

Br. Masson

H.Q. H.A. XV Corps.
26th. August, 1918. for Brigade Major, Heavy Artillery, XV Corps. Major,

Copy to:- C.B.O.

350

36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. *F1164/v*
Date.....

COUNTER BATTERY INSTRUCTIONS.

AMENDMENT No. 15 to C.B. 2/6/20 dated 26th April 1918.

Part 1. A. para. 1.

The Northern limit of the Corps Counter-Battery Area is the line S.8.c.0.7 along the road to S.14.c.5.2, along the BAILLEUL road to the railway in S.27 central, thence along the BAILLEUL - ARMENTIERES railway.

To take effect from receipt of this order.

28th August, 1918

C. A. Guhr-Baker
for Lt-Colonel R.A.
C.B.O. XV Corps.
Capt.

350
350
36TH
(AUSTRALIAN) BDE.,
R.G.A.

APPENDIX

No. 50556
Date.....

SECRET.

42
XV Corps H.A: No. GF/1/182.
29/8/18.

XV CORPS HEAVY ARTILLERY: S.O.S. and COUNTER-PREPARATION.

Reference my GF/1/178 dated 27/8/18, XI Corps are taking over the front South of a line through K.4.central - L. 5.central - G.11.a.0.0. on night 29th/30th August; from 12 Noon 30th August, XI Corps H.A. will assume responsibility for the front South of this line, at which hour all previous instructions re Brigade Sectors and dividing lines between Brigades will be cancelled.

From 12 Noon on 30th August, the dividing lines between Brigades for S.O.S., C-Pn, and Harassing Fire will be as follows :-

Between Corps on our right and 1st Brigade: Line passing through K.4.central - L.5.central - G.11.a.0.0.
Between 1st and 64th Brigades: Line passing through F.25.c.0.4.
- F.29.c.0.3.
Between 64th and 45th Brigades: Line passing through F. 8.c.0.7.
- F.13.central.
Between 45th and 36th Brigades: Line passing through X.27.a.0.2.
- F.12.a.0.3.
Between 36th and 33rd Brigades: Line passing through X.17.a.0.0.
- S.19.d.0.0.
Between 33rd Brigade and Corps on our left: Line passing through S.8.c.1.7. down the ST. JANS CAPPEL road to BAILLEUL - S.27.central - H.13.central.

BRIGADES ACKNOWLEDGE BY WIRE.

H. J. Mason
H.Q. H.A. XV Corps. Major,
29th. August, 1918. Brigade Major, Heavy Artillery, XV Corps.

To all recipients of XV Corps H.A: S.O.S. & C-Pn. (GF/1/124)
dated 3rd August, 1918.

SECRET.

XV CORPS ORDER NO. 228.

Ref. sheets 27, 28, 36 & 36a: 1/40,000.

1. The enemy is withdrawing on the Corps front. The XI Corps has occupied LESTREM.
2. Situation of patrols at 12 Noon:-
Right Division: ACTON CROSS (L.4 central) - F.22.d.
Centre Division: Engaged at GAUL FARM (F.16.c.), occupy NOOTE BOOM, CEMETERY (F.12.a.) and on Railway in X.30.c., and advancing on BAILLEUL STATION.
Left Division: Passing through BAILLEUL and approaching ASYLUM.
3. Touch is to be maintained with the enemy and he is to be given no rest. Where located he is to be attacked by Advanced Guard troops.
4. Each Division will operate with one Brigade with attached troops covering the Divisional Front. Boundaries between Divisions as follows :-
Southern Corps Boundary: West and East Grid Line through L.2 and L.5.central to L.6.a.0.0. thence to G.10.central.
Between Right and Centre Divisions: West and East Grid Line through F.15.central to A. 13.b.0.0. thence to A.30.d.0.0.
Between Centre and Left Divisions: EPSOM CROSS ROADS (X.22.c.) to BAILLEUL STATION thence along ARMENTIERES Railway inclusive to Centre Division.
Northern Corps Boundary: Through S.14.central, S.22.central, S.30.central, and thence parallel with BAILLEUL - ARMENTIERES road.
5. Buildings and cross-roads are to be examined for enemy mines, etc. etc.

(SD). H.KNOX. Brigadier-General,
General Staff.XV Corps.
30/8/18.

- 2 -

XV Corps H.A: No. GD/1/123.
30/8/18.

1st. Brigade, RGA.
 33rd. Brigade, RGA.
 36th. Brigade, RGA.
 45th. Brigade, RGA.
 64th. Brigade, RGA.
 "X" Brigade, RGA.

The above order is forwarded for information.
 Reference para. 4: O.C. 64th. Brigade will have a Liaison Officer with 121st Inf.Bde. O.C. 45th. Brigade will have a Liaison Officer with either one or both Infantry Brigades Centre Division, according to whether one or two infantry Brigades will be holding the front. O.C. 33rd Brigade will have a Liaison Officer with 93rd Infantry Brigade.
 If possible these Liaison Officers should not be below the rank of Captain.

*Johnson*H.Q. H.A. XV Corps.
30th. August, 1918.for Brigade Major, Heavy Artillery, XV Corps.
Major,

30/8/18.

SECRET.XV Corps H.A.No: GM/2/83.
2/8/1918.

1st Brigade, RGA.
 33rd Brigade, RGA.
 36th Brigade, RGA.
 45th Brigade, RGA.
 64th Brigade, RGA.



Reliefs expected to-night on the following fronts :-

From METEREN-BAILLEUL road X.16.d. to X.22.a.0.0.
 From HAZEBROUCK- BAILLEUL railway to MERRIS.

H.Q. H.A. XV Corps,
 2nd August, 1918.a/Brigade Major, Heavy Arty., XV Corps.

Major,

Major, Heavy Arty., XV Corps.

350

SECRET.

1st Brigade, RGA.
33rd Brigade, RGA.
36th Brigade, RGA.
45th Brigade, RGA.
64th Brigade, RGA.

36TH
(AUSTRALIAN) CDE.,
RGA.
No. 1286
Date.....

XV Corps H.A.No: GM/2/64.
3/8/1918.

Reliefs are expected by the enemy to-night as under :-

98 R.I.R. from E.12.b.0.3 to E.11.d.4.4. and
209 R.I.R. from E.17.c.5.7. to E.23.d. 0.4.

H.Q. H.A. XV Corps,
3rd August, 1918.

J.H.W.

Brigade Major, Heavy Artillery, XV Corps. Major,

350

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APPENDIX

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II

SECRET.XV Corps H.A: No. GM/2/87.
5/8/18.

1st. Brigade, RGA.
 33rd. Brigade, RGA.
 36th. Brigade, RGA.
 45th. Brigade, RGA.
 64th. Brigade, RGA.

36th
 (AUSTRALIAN) GDE.
 RGA.

No.

1290

Date

213 R.I.R. Enemy relief is expected to-night of 140 I.R. and
 Map shewing enemy dispositions is being sent to you.

H.Q. H.A. XV Corps.
 5th. August, 1918.

Major,
 Brigade Major, Heavy Artillery, XV Corps.

350

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XV Corps H.A. No. GM/2/92.
7/8/18.

- 1st. Brigade, RGA.
- 13th. Brigade, RGA.
- 33rd. Brigade, RGA.
- 36th. Brigade, RGA.
- 45th. Brigade, RGA.
- 64th. Brigade, RGA.
- "X" Brigade, RGA.

36TH (AUSTRALIAN) BDE., R.G.A.
No. 9285
Date.....

Call

The enemy has started to retire opposite the XI and XIII Corps.
Opposite the XI Corps he is reported to be on a line Q.8.central - 15.central - 28.central (Sheet 36a), and opposite XIII Corps he is reported to have gone back on a 2000 yards front to a maximum depth of a mile.

aa *Johnston*

H.Q. H.A. XV Corps.
7th. August, 1918. *Johnston* Major,
Brigade Major, Heavy Artillery, XV Corps.

350
350

SECRET.

XV Corps H.A. No: GM/2/90.
7/8/18.

1st Brigade, RGA.
33rd Brigade, RGA.
36th Brigade, RGA.
45th Brigade, RGA.
64th Brigade, RGA.
"X" Brigade, RGA.

II

36TH (AUSTRALIAN) BDE., R.G.A.
No. 1297
Date.....

An enemy relief to-night is suspected on the front
of the 98th R.I.R. and 209th R.I.R.

H.Q. H.A. XV Corps,
7th August, 1918.

for Major,
Brigade Major, Heavy Artillery, XV Corps.

A. Paton
for Major

350

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APPENDIX

2 49

SECRET.

XV Corps H.A. No: GM/2/26.

10/8/18

36TH
(AUSTRALIAN) BDE.,
R.G.A.No. 9296
Date

1st Brigade, RGA.
33rd Brigade, RGA.
36th Brigade, RGA.
45th Brigade, RGA.
64th Brigado, RGA.

187 Enemy reliefs are expected to-night on the 14th I.R.,
18th I.R. and 209th I.R. fronts. The latter are probably
being relieved by the 170th I.R.

M. Stodumy

H.Q. H.A. XV Corps,
10th August, 1918.

Brigade Major, Heavy Arty. XV Corps.

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APPENDIX

2

50

Army Form C. 2123
(In books of 100.)

"C" FORM.
MESSAGES AND SIGNALS.

No. of Message.....

Prefix <i>SM</i> Words <i>19</i>	Received.	Sent, or sent out.	Office Stamp.
Charges to Collect	From <i>Board</i>	At .....m.	<i>11</i>
Service Instructions <i>Q P</i>	By	To	
Handed in at..... Office.....m.		Received <i>36</i>.....m.	

TO *KUAE*

* Sender's Number. <i>812W</i>	Day of Month. <i>10</i>	In reply to Number. <i>2296</i>
-----------------------------------	----------------------------	------------------------------------

AAA

<i>Ref</i>	<i>my</i>	<i>PM 2/96</i>
<i>sent</i>	<i>you</i>	<i>this</i>
<i>for</i>	<i>18th</i>	<i>afternoon</i>
<i>184th</i>		<i>Read</i>
<i>gms</i>		

FROM *H.A 15 Coy*

PLACE & TIME

* This line should be erased if not required.
(3866.) Wt. W528/M1970. 100,000 Pads. 5/17. H. W. & V., Ltd. (E. 1213.)

Date _____

350

350

APPENDIX 3

52

O.C. 155 Siege Battery RGA

36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. OP 141

Date

Please reconnoitre for an O.P. on OUTERSTEENE
Ridge.

50th Brigade RFA. (W.5.a.20.50) have an O.P.
on the Ridge, and will probably be willing to give you
information concerning most suitable points to reconnoitre.

24/8/18.

J. C. Calver
Adjutant 36th (Aust) Brigade R.G.A. Captain R.A.A.

IV

150
320

WEEKLY O.P. LOCATION REPORT.

36TH (AUSTRALIAN) Brigade RGA.

Brigade	Co-ordinates	Code Name	Arc of View	Owned by	Manned by	When manned.
36th (Aust) Bde RGA.	R.19.d.98.62	KILGOBBIN	155° to 170°	2 A.S.B.	2 A.S.B.	By day and night.
"	W.29.b.18.77	TARA	90° to 180°	155 S.B.	155 S.B.	By day and on alternate nights
"	X.1.a.45.65	AULD REEKIE	100° to 160°	353 S.B.		As required.
"	R.25.b.13.51	TUCK SHOP	150° to 190°	353 S.B.	353 S.B.	By day and by every third night
"	R.20.d.00.88	CHARLIE	110° to 200°	140 H.B.	140 H.B.	By day and night.
"	W.29.b.3.8.	NELLY	65 to 240	151 H.B.	151 H.B.	By day and on alternate nights.
"	W23.a.75.55	GORE		151 H.B.	151 H.B.	As required. <i>ALTERNATE NIGHTS</i>

31/7/18.

Captain R A.A.
Adjutant 36th (Aust) Brigade R.G.A.

4
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LOCATION REPORT.

36TH (AUSTRALIAN) BRIGADE R.G.A.

Headquarters & Batteries	Location	Location of Ground strips	Area of fire	Maximum effective range.
36th (Aust) Brigade RGA.	27/P.30.b.1.3.			
2nd Aust Siege Battery	Rx27/Q.35.a.8.6. Cx27/Q.29.c.37.16. Lx27/Q.28.b.60.49	27/Q.29.c.40.75	115° to 175°	10,000 ^x 10,000 9,300
155 Siege Battery RGA	Rx27/W.20.d.3.6. Cx27/W.20.d.0.4. Lx27/W.14.d.5.1.	W.20.d.8.6.	95° to 150°	Average 9,500 ^x
353 Siege Battery RGA	W.6.c.4.8 to W.6.a.6.1. 27/Q.34.d.8.9.	Forward W.6c.60.70 Rear Q.35.c.09.61	Forward 118° to 166° Some guns 102° to 180°	Average 9,500 ^x
140 Heavy Battery RGA	4 guns-Q.30.b.5.5. 2 " X.2.b.50.05	Q.23.b.90.35	120° to 170°	2crh 11,500 ^x 8crh 13,000
151 Heavy Battery RGA	2 guns-W.13.a.53.18 4 " W.15.a.51.45	W.15.a.10.30	90° to 150° 90° to 150°	2crh 11,000 8crh 12,200

14/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

7

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LOCATION REPORT.

300

36TH (AUSTRALIAN) BRIGADE R.G.A.

Headquarters and Batteries

36th (Aust) Brigade RGA

2nd Aust Siege Battery

155 Siege Battery RGA

353 Siege Battery RGA

140 Heavy Battery RGA

151 Heavy Battery RGA

Location

Location of
Ground strips

Area of fire

Maximum effective
Range.

27/p.30.b.1.3.

Rx27/q.35.a.8.6.
Cx27/q.29.c.37.16
Lx27/q.28.b.60.49

Rx27/w.20.d.3.6.
Cx27/w.20.d.0.4.
Lx27/w.14.d.5.1.

W.6.c.4.8. to
W.6.a.6.1.
27/q.34.d.8.9.

4 guns-Q.30.b.5.5.
2 " Q.24.a.2.2.

2 guns-W.13.a.53.18
4 " W.21.b.50.35

27/q.29.c.40.75

W.20.d.8.6.

Forward
W.6.c.60.70.
Rear
Q.35.c.09.61

Q.23.b.90.35.

W.21.b.16.68

115° to 175°

95° to 150°

Forward
118° to 166°

Some guns
102° to 180°

120° to 170°

90° to 150°
90° to 150°

10,000^x
10,000
9,300

No. 1 9680^x No. 2 9000^x
3 9680 4 9500
5 9680 6 9200

Average 9500^x

2crh 11500^x
8crh 13000

2crh 11000^x
8crh 12200

Adjutant 3th (Aust) Brigade R.G.A.
Captain R.A.A.

31/7/18

APPENDIX

4

55

350

350

WEEKLY O.P. LOCATION REPORT.

36TH (AUSTRALIAN) Brigade RGA.

Brigade	Co-ordinates	Code Name	Arc of View	Owned by	Manned by	When manned.
36th (Aust) Bde RGA.	R.19.d.98.62	KILGOBBIN	155° to 170°	2 A.S.B.	2 A.S.B.	By day and night.
"	W.29.b.18.77	TARA	90° to 180°	155 S.B.	155 S.B.	By day and on alternate nights
"	X.1.a.45.65	AULD REEKIE	100° to 160°	353 S.B.		As required.
"	R.25.b.13.51	TUCK SHOP	150° to 190°	353 S.B.	353 S.B.	By day and by every third night
"	R.20.d.00.88	CHARLIE	110° to 200°	140 H.B.	140 H.B.	By day and night.
"	W.29.b.3.8.	NELLY	65 to 240	151 H.B.	151 H.B.	By day and on alternate nights.
"	W23.a.75.55	GORE		151 H.B.	151 H.B.	As required.

31/7/18.

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APPENDIX

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

IV

LOCATION REPORT

3501
320

36th (Aust) Brigade R.G.A.

Headquarters & Batteries	Location	Location of Ground strips	Arms of Fire	Maximum effective Range.
36th (Aust) Bde RGA	27/P30.b.1.3.			
2nd Aust Siege Battery	Rx27/Q.35.a.8.6. Cx27/Q.29.c.37.16 Lx27/Q.28.b.60.49	27/Q.29.c.40.75	115° to 175°	10,000 ^x 10,000 9,300
155 Siege Battery RGA	Rx27/W.20.d.3.6. Cx27/W.20.d.0.4. Lx27/W.14.d.5.1.	W.20.d.8.6.	95° to 150°	No.1 9680 ^x No.2 9000 ^x 3 9680 4 9500 5 9680 6 9200
353 Siege Battery RGA	W.6.c.4.8. to W.6.a.6.1. 27/Q.34.d.8.9.	Forward W.6.c.60.70 Readr Q.35.c.09.61	Forward 118° to 166° Some guns 102° to 180°	Average 9,500 ^x
140 Heavy Battery RGA	4 guns-Q.30.b.5.5. 2 " Q.24.a.2.2.	Q.23.b.90.35	120° to 170°	2crh 11500 ^x 8crh 13000
151 Heavy Battery RGA	2 guns-W.13.a.53.18 4 " W.21.b.50.35	W.21.b.16.68	90° to 150° 90° to 150°	2crh 11000 ^x 8crh 12200

7/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

APPENDIX

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WEEKLY O.P. LOCATION REPORT.

36th (Australian) Brigade R.G.A.

Brigade	Co-ordinates	Code Name	Arc of View	Owned by	Manned by	When manned.
36th (Aust) Bde RGA	R.19.d.98.62	KILGOBBIN	155° to 170°	2 A.S.B.	2 A.S.B.	By day and night
"	W.29.b.18.77	TARA	90° to 180°	155 S.B.	155 S.B.	By day and on alternate nights
"	X.1.a.45.65	AULD HEWKIE	100° to 160°	353 S.B.		As required
"	R.25.b.13.51	TUCK SHOP	150° to 190°	353 S.B.	353 S.B.	By day and by every 3rd night
"	R.20.d.00.88	CHARLIE	110° to 200°	140 H.B.	140 H.B.	By day & night
"	W.29.b.3.8.	Nelly	65° to 240°	151 H.B.	151 H.B.	By day
"	W.23.a.75.55	GORE		151 H.B.	151 H.B.	Alternate nights

7/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

APPENDIX

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WEEKLY O.P. LOCATION REPORT.

36TH (AUSTRALIAN) BRIGADE R.G.A.

Brigade	Co-ordinates	Code Name	Arc of View	Owned by	Manned by.	When manned
36th (Aust) Brigade RGA	R.19.d.98.62	KILGOBBIN	155° to 170°	2 A.S.B.	2 A.S.B.	By day and night.
"	W.29.b.18.77	TARA	90° to 180°	155 S.B.	155 S.B.	By day and on alternate nights
"	X.1.a.45.65	AULD REEKIE	100° to 160°	353 S.B.		As required
"	R.25.b.13.51	TUCK SHOP	150° to 190°	353 S.B.	353 S.B.	By day and by every 3rd night.
"	R.20.d.00.88	CHARLIE	110° to 200°	140 H.B.	140 H.B.	By day and night
"	W.29.b3.8.	NELLY	65° to 240°	151 H.B.	151 H.B.	By day.
"	W.23.a.75.55	GORE		151 H.B.	151 H.B.	Alternate nights.

14/8/18.

John Samson

Adjutant 36th (Aust) Brigade R.G.A.
Captain R.A.A.

APPENDIX

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3501

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LOCATION REPORT.

36TH (AUSTRALIAN) BRIGADE R.G.A.

Batteries	Location	Location of Ground strips	Area of fire	Maximum effective range.
140 Heavy Battery RGA	Q.30.b.5.5. 2 guns X.2.b.45.03 to X.2.b.75.15 4 guns	X.2.b.90.10	118° to 178°	2crh 11,500 ^x 8crh 13,500
2nd Aust. Siege Battery	W.17.b.50.20 2 guns W.12.c.25.99 2 guns Q.35.a.8.6. 2 guns	W.11.b.80.20	100° to 160°	10,000 ^x 10,000 22 9,500
151 Heavy Battery RGA	W.13.a.55.18 2 guns W.15.a.51.45 4 guns	W.15.a.10.30	90° to 150° 90° to 150°	2crh 11,000 ^x 8crh 12,200

20/8/28

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

APPENDIX

4

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LOCATION REPORT.

36TH (AUSTRALIAN) BRIGADE R.G.A.

Headquarters & Batteries	Location	Location of Ground strips	Area of Fire	Minimum effective range.
36th (Aust) Bde RGA	27/P.30.b.1.3.			
2nd Aust. Siege Battery	W.17.b.50.80 W.12.c.5.9. Q.35.a.8.6.	W.11.b.80.20		10,000 ^x 10,000 9,300
155 Siege Battery RGA	Rx27/W.20.d.3.6. Cx27/W.20.d.0.4. Lx27/W.14.d.5.1.	W.20.d.8.6.	95° to 150°	Average 9,500 ^x
353 Siege Battery RGA	W.6.c.4.8. to W.6.a.6.1. 27/Q.34.d.8.9.	Forward W.6.c.60.70 Ready Q.35.c.09.61	Forward 118° to 166° Some guns 102° to 180°	Average 9,500 ^x
140 Heavy Battery RGA	2 guns-Q.30.b.5.5. 4 " X.2.b.50.05		118° to 178°	2crh 11,500 ^x 8crh 13,000
151 Heavy Battery RGA	2 guns-W.15.a.51.45 4 " W.11.c.8.6.	W.15.a.10.30	100° to 160°	2crh 11,000 ^x 8crh 12,200

21/8/18.

W. McCalm
for Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

APPENDIX

4

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WEEKLY O.P. LOCATION REPORT.

36TH (AUSTRALIAN) BRIGADE R.G.A.

Brigade	Co-ordinates	Code name	Arc of View	Owned by	Manned by	When manned
36th (Aust) Bde RGA	R.19.d.98.62	KILGOBBIN	155° to 170°	2 A.S.B	2 A.S.B.	Byday & night.
"	W.29.b.18.77	TARA	90° to 180°	155 S.B.	155 S.B.	By day and on alternate nights
"	X.1.a.45.65	AULD REEKIE	100° to 160°	353 S.B.		As required
"	R.25.b.13.51	TUCK SHOP	150° to 190°	353 S.B.	353 S.B.	By day and by every 3rd night
"	R.20.d.00.88	CHARLIE	110° to 200°	140 H.B.	140 H.B.	By day & night
"	W.29.b.3.8.	NELLY	65° to 240°	151 H.B.	151 H.B.	By day
"	W.23.a.75.55	GORE		151 H.B.	151 H.B.	Alternate nights

21/8/18.

J.M. Culbert
 Adjutant 36th (Aust) Brigade R.G.A.
 Captain R.A.A.

APPENDIX

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LOCATION REPORT.

36TH (AUSTRALIAN) BRIGADE RGA.

Battery	Location		Location of Ground strips	Arce of fire.
151 Heavy Battery RGA	X.1.d.77.00 83.03	2 guns	W.11.a.31.01	110° to 175°
155 Siege Battery RGA	K.13.b.30.10 b.35.18	2 guns	X.13.a.15.85	100° to 160°
353 Siege Battery RGA	X.8.c.47.63	2 guns	X.8.c.4.7.	100° to 160°

23/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

APPENDIX

4

63

LOCATION REPORT.

36TH 'AUSTRALIAN' BRIGADE RGA.

	Location		Arc of Fire	Ground Strips	Normal Range.
36th 'Aust' Bde RGA.	Q.32.d.5.5.				
140 Heavy Battery RGA.	X.2.b.50.05)	4 guns	120° to 180°	R.32.c.6.3.	13,000 ^x
	X.2.b.18.85)				
	Q.30.b.40.60	2 "			
151 Heavy Battery RGA	X.7.a.60.55 to				
	X.7.a.82.87	4 guns	100° to 160°	X.7.a.65.85	12,500 ^x
	W.13.a.53.18	2 "			
155 Siege Battery RGA	X.13.b.30.10)				
	45.40)	4 guns	100° to 160°	X.13.d.15.85	9,500 ^x
	W.11.c.8.6.	2 "			
353 Siege Battery RGA	X.8.c.47.61	2 guns	100° to 160°	X.8.c.36.67	9,500 ^x
	X.7.d.93.93	2 "			
	Q.34.d.80.90	2 "			
2 Aust. Siege Battery	Q.35.a.8.6.	2 guns	100° to 160°	W.11.b.80.20	10,000 ^x
	W.17.b.50.80	2 "			
	W.12.c.25.99	2 "			9,500 ^x

28/8/18.

W. Whittle

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

APPENDIX

4

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350
330

IV

350

WEEKLY C.P. LOCATION REPORT.

330

36TH (AUSTRALIAN) BRIGADE RGA.

Brigade	Co-ordinates	Code Name	Arc of View	Owned by	Manned by	When Manned.
36th (Aust) Brigade RGA.	R.19.d.98.62	KILGORBIN	155 - 170	2 A.S.B.	2 A.S.B.	By day and night
	W.29.b.18.77	TARA	90 - 180	155 S.B.	155 S.B.	By day and on alternate nights
	R.25.b.13.51	TUCK SHOP	150 - 190	353 S.B.	353 S.B.	By day and by every 3rd night.
	R.20.d.00.88	CHARLIE	110 - 200	140 H.B.	140 H.B.	By day & night.
	W.23.a.75.55	GORE		151 H.B.	151 H.B.	Alternate nights

APPENDIX

4

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28/8/18.

W. W. Whitt

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

350

SECRET.Sc-495-Am.
21/8/18.36th Brigade RGA

1. The statement overleaf shows, by natures, the amount of gun ammunition fired on the front of the XV Corps during the months of May, June and July, the average number of rounds per gun for each nature and the total tonnage which this expenditure represents.

2. With the exception of the 9.2" gun, the 12" Howitzer and 12" gun which are on railway mountings and to which ammunition is sent direct by rail, the whole of this ammunition has had to be carried from railhead by lorry to Divisional Refilling Points in the case of 18-pdr and 4.5" and to the guns in the case of other natures.

3. Transport of the gun ammunition expended during these three months is equivalent to 16,000 lorry loads.

4. These statistics may be of interest in showing the work of the Artillery and the Mechanical Transport during the past quarter.

20/8/18.

SD. X X X
Brigadier General,
D.A. & Q.M.G., XV Corps.

O's.C. 2nd Aust Siege Battery.
155 Siege Battery RGA
353 Siege Battery RGA
140 Heavy Battery RGA
151 Heavy Battery RGA

Copy of XV Corps H.A. NO. Sc-495-Am. dated 21/8/18 forwarded for your information. will

The figures given below show the amounts expended by Batteries of this Brigade during June from 19th to 30th, and during the month of July :-

	2nd Aust. S.B.	155 S.B.	353 S.B.	140 H.B.	151 H.B.
19th to 30th June	1,662	5,241	3,659	4,222	4,862
July 1918	4,112	11,521	13,116	10,942	10,926

22/8/18.

SD. W.W. WHITTLE, Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX 5

AMMUNITION STATEMENT - THREE MONTHS.

EXPENDITURE.

MAY				JUNE				JULY.			
Nature of piece	Av'ge No. in action	Rds per gun	Total No. of Rds.	Tonnage	Av'ge No. in action.	Rds per gun	Total No. of Rds.	Tonnage	Av'ge No. in action	Rds per gun	Total No. of Rds.
18-pdr	150	1569	232400	2905	173	1611	279440	3493	177	1628	288160
4.5" How	50	1348	67410	1498	58	1429	82935	1843	58	1385	80370
60-pdr.	15	2580	38700	1548	20	1928	38575	1543	20	1895	37900
6" gun	10	1101	11010	734	9	991	8925	595	7	848	5940
6" how.	47	2207	103720	5186	60	1899	113960	5698	56	2088	116980
8" how.	15	1799	23990	2399	14	1180	16530	1653	16	1110	17770
9.2" gun	2	382	764	191	2	226	452	113	2	260	520
9.2" how.	4	1521	6083	869	6	1220	7322	1046	9	965	8687
12" how.	3	644	1932	773	7	343	2406	1203	8	438	3502
12" gun.	-	-	-	-	1	96	96	48	1	82	82
TOTAL 296			486009	16103 Tons	350		550641	17235.	354.		589911

Total tonnage Light Ammn. 15,127 tons
 " " Heavy " 35,950 " Total Tonnage 51,077
 Total rounds 1,596,561

Rounds 18-pdr and 4.5" 1,030,715
 " Heavy 565,846.

20/8/18.

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O.C. 36th (Aust) Brigade R.G.A.

VI
WEEKLY HEALTH REPORT.

1. The health of the troops is good, with the exception of a few cases of diarrhoea.
2. The quality of the water is good. Drinking water is chlorinated where possible. Water Carts are cleaned out frequently.
3. Latrines are fly proof.
Urinals dispose of the urine satisfactorily.
4. Cooking arrangements are satisfactory, and disposal of refuse is complete.
5. Number of reinforcements joined during the week -
4 - all inoculated.

3/8/18.

A. A. M. C.
Captain A.A.M.C.
R.M.O. 36th (Aust) Brigade R.G.A.

D.D.M.S.,
XV Corps.

Forwarded.

3/8/18.

J. A. Hurd
Lieut- Colonel R.A.A.
Commanding 36th (Aust) Brigade R.G.A.

350

D.D.M.S.
XV Corps.

VI

The following men have been admitted to Hospital
during the past week :-

Wounded	2.
Sub-acute rheumatism	3.
Abscess, cheek	1.
Chronic periostitis tibial	1.
Inguinal hernia	1.
Scabies	1.

3/8/18.

A. W. Barrett Captain A.A.M.C.
R.M.O. 36th (Aust) Brigade R.G.A.

350

VI

XV Corps H.A.
-----WEEKLY SANITARY REPORT.

1. Water is of good quality. All water used for drinking purposes has been tested at Brigade Headquarters, and chlorination is carried out where possible.
2. Latrines are flyproof, either of the deep trench or bucket type. In the latter case the excreta is buried daily. In O.P.s. deep pit latrines are provided and the excreta kept covered with earth.
3. Cookhouses are kept in a sanitary condition. Covered receptacles are provided for refuse which is buried daily. Food is protected from flies by ~~the~~ fly proof safes and muslin.
4. Horse manure is dumped in a corner and packed into one heap. Much of it is used by the farmers.
5. Billets and their surroundings are kept as clean and tidy as possible. Crescol solution is used for disinfection and fly traps and paper are in use.
6. The health of the troops is good with the exception of a few cases of diarrhoea.
7. Provision is made for baths in all Batteries.

3/8/18.

A. M. Barrett Captain A.A.M.C.
R.M.O. 36th (Aust) Brigade R.G.A.

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APPENDIX

7

~~SECRET~~

VII

O's.C. 2nd Aust. Siege Battery
155 Siege Battery RGA
353 Siege Battery RGA
140 Heavy Battery RGA
151 Heavy Battery RGA

36TH (AUSTRALIAN) BDE., R.G.A.	
No.	9285-
Date.	

The enemy has started to retire opposite XI and XIII Corps.
Opposite the XI Corps he is reported to be on a line C.8. Central - 15 Central - 28 Central (Sheet 36a), and opposite XIII Corps he is reported to have gone back on a 2000 yards front to a maximum depth of a mile.

W. W. Whittle

8/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

8

-3-

(10) Contd.

It is to be clearly understood that when such targets are engaged by a Battery, one section only is to be employed, the remainder being kept on the "S.O.S" barrage which has still to be maintained, though correspondingly thinner.

(11) The "S.O.S" points will be the permanent night lines for the Batteries.

(12) Please ACKNOWLEDGE.

H. W. Whittle

Captain R.A.A.

Adjutant 36th (Aust) Brigade R.G.A.

4/8/18.

S.O.S. AND COUNTER PREPARATION SCHEME - S.O.S. 48.

All previous S.O.S. and Counter Preparation instructions are cancelled.

"S.O.S." 48.

(1) The Brigade Sector for "S.O.S.", Counter Preparation and harassing fire is bounded by lines drawn through F.1b. 65.10 and F.17 Central on the Right and X.21.c.95.50 and X.29.c.0.8 on the Left.

(2) To facilitate alteration being made to the barrage occasioned by variations in the out-post line, the Brigade Sector will be divided into Battery lanes. The dividing lines between lanes will be lines drawn through the following points :-

155 Siege Battery RGA.	F.1.b.65.10 to F.17 Central XXXXXXXXXXXXXXXXXXXX
155 Siege Battery RGA)	
2 Aust Siege Battery)	X.26.c.85.30 to A.14.a.00.00.
2 Aust Siege Battery)	
353 Siege Battery RGA)	X.26.b.85.45 to A.8.d.15.00.
353 Siege Battery RGA	X.21.c.95.50 and X.29.c.0.8.

"S.O.S." in the case of Howitzers will be laid down in the form of a continuous barrage on a line 500 yards from our front line, 106 Fuzes being used.

(3) Batteries will be given points in their lanes indicating where their "S.O.S" Barrage will be put down.

B.Cs. will arrange to distribute the fire of their six guns between these points. All Hows. will sweep 50 yards on either side of their "S.O.S" points. Should any gun go out of action, or be required for other targets, the line will be swept by the remaining guns.

(4) Points between which "S.O.S" Barrage will be laid down are as follows :-

155 Siege Battery RGA	From F.2.c.7.5. to F.3.a.0.4. X
2 Aust Siege Battery	From F.3.a.0.4. to F.27.d.15.70 X
353 Siege Battery RGA	From F.27.d.15.70 to X.28.a.30.75.

(5) In both "S.O.S" and Counter Preparation 60-pdrs. will fire on targets specially allotted to them in Appendix I.

(6) Rates of fire for "S.O.S" will be :-

Minutes from opening fire		Rate
0 to 10		INTENSE
10 to 20		NORMAL
20 to 30		RAPID
30 to 40		NORMAL
40 to 50		RAPID
50 to 60		NORMAL

At the end of one hour fire will be directed from this Office according to local situation.

(7) On the order "COUNTER PREPARATION" Howitzers will fire on "S.O.S" Barrage lines at INTENSE rates for ten minutes. After ten minutes one section of 6-gun Batteries and 1-gun of 4-gun Batteries will remain sweeping on this line at NORMAL rates.

Remainder will search an area up to 2000 yards from our front line at NORMAL rate.

Searching will be carried out on the following principle:-

Battery lanes are divided into areas by lines drawn 300 yards apart and parallel to the "S.O.S" barrage line. Each line is given a code name - ALPHA, BETA, GAMMA, DELTA, TOR, OMEGA, ALPHA being the "S.O.S" barrage line and OMEGA a line 2000 yards from our front line.

Orders will be issued by Brigade as to the line to be opened on, also time between lifts or drops.

The following is an example of an order that might be sent :-

"Counter Preparation - GAMMA UP - LIFTS three minutes."

On this order Batteries would after 10 minutes INTENSE on "S.O.S" Barrage line (ALPHA) lift to GAMMA and fire on this line for 3 minutes, then lift to DELTA and other lines in succession, after three minutes on OMEGA drop to ALPHA, and continue with 3 minute lifts.

If the order should be "DOWN" the process would be reversed.

After dropping to ALPHA lift to OMEGA and drop successively on the other lines.

If "DOWN" is required the word "DROPS" will be used in lieu of lifts.

During Counter Preparation occasional bursts of Gas Shell will be fired providing conditions permit. The burst should not be less than 50 rounds at a time. Up to 50% of Ammunition fired in Counter Preparation may be Gas Shell.

(a) After firing two hours on Counter Preparation, or

(b) At 1½ hours before sunrise

all Howitzers will, without further orders, switch from Counter Preparation to "S.O.S" points, if the "S.O.S" signal had not been previously sent up.

"NORMAL" rates of fire will be continued until the "S.O.S" signal is sent, or the situation clears.

(8) "LL" Calls and "GF" Calls are of great importance during an "S.O.S" and Counter Preparation, and will be answered as laid down in XV Corps H.A. Standing Orders (Operations) Section X. para. 6 and amendment No. 1.

(c) Special "LL" Calls (XV Corps No. 146/7G., this Office F.I. 180) will be dealt with according to instructions contained therein.

Howitzer Batteries will fire on Targets in Area allotted to them.

60-pdrs. will fire on roads and tracks which they can best enfilade in the area for which the call is sent down.

(10) It is to be realised by Battery Commanders that although rigid "S.O.S" lines are laid down, nothing is to prevent fire being brought to bear on favourable targets should visual observation be good enough to enable such opportunities to be taken.

350 75

APPENDIX I: TARGETS FOR 60-pdr. BATTERIES.

<u>Number</u>		<u>Allotted to</u>
2.	Tracks and roads from F.14.c.3.3. to ACTON CROSS	151 H.B.
14.	Road from F.16.d.7.7. to DOULIEU cross-roads.	140 H.B.
15.	Road from OUTERSTEENE to F.21.a.8.7.	140 H.B.
16.	Road from F.10.a.1.8. to F.16.d.4.6.	140 H.B.
17.	Road from F.4.d.0.4. to F.10.d.5.3.	140 H.B.
18.	Tracks from NOOTE BOOM to S.E. through F.17.b. and d., and F.18.c.	140 H.B.
19.	Road from F.12.a.7.4. to A.7.d.3.8.	140 H.B.
20.	Tracks from F.14.d.2.9. to F.20.b.5.0. and road from F.21.a.5.5. to F.21.c.5.9.	140 H.B.
21.	Tracks from F.3.c.9.0. to F.16.a.2.5. and from F.16.a.4.6. to d.1.5.	140 H.B.
22.	Tracks from F.15.c.9.5. to F.23.c.4.2.	151 H.B.
23.	Track from F.19.d.3.7. to F.26.d.5.4.	151 H.B.

Guns will be laid on the following targets for night lines :-

140 H.B. Targets 14.15.16.17.19 and 21.

151 H.B. Targets 22,23, 2 (2 guns each).



350

APPENDIX

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155 S.B.
6" How.

2nd Aust S.B.
9.2" How.

353 S.B.
6" How.

Alpha and
"S.O.S" Barrage
Beta

Gamma

Delta

Ten

Omega

SECRET.

G's.C. 2nd Aust. Siege Battery
 155 Siege Battery RGA
 353 Siege Battery RGA
 140 Heavy Battery RGA
 151 Heavy Battery RGA.



Amendment No. 1 to S.O.S. 48.

After para. 7, add new para.

7a. During Counter Preparation 60-pdrs. will ~~not~~ fire in bursts at varying intervals, each burst at a RAPID rate. The total expenditure should be approximately equal to a "NORMAL" rate of fire.

Gas up to 50% should be fired on suitable targets, weather permitting.

W. W. Whittle

8/8/18.

Captain R.A.A.
 Adjutant 36th (Aust) Brigade R.G.A.

350

C.O.D.V.SECRET.36th Brigade RGA.XV Corps H.A. No. 97/2/11.
8/8/18.

From 9.0p.m. today 8.0.8. Signal on Left Division
(61st Div) front of XI Corps will be a rifle grenade
bursting into 3 stars GREEN - GREEN - GREEN.

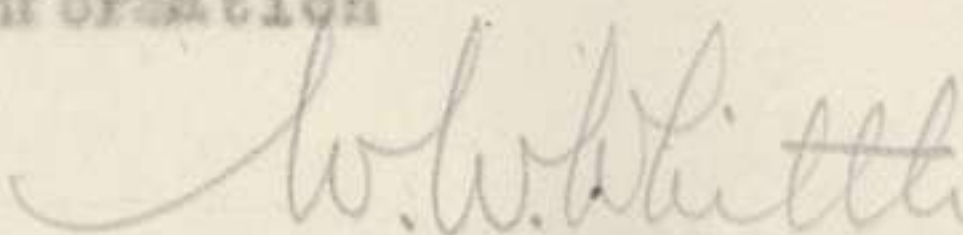
H.Q. H.A. XV Corps.
8/8/18.Ed. X X X Major.
for Brigade Major, XV Corps Heavy Artillery.

C's.C. 2nd Aust Siege Battery
185 Siege Battery RGA
353 Siege Battery RGA
140 Heavy Battery RGA
151 Heavy Battery RGA.

36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. 10549.
Date,

For information



9/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

C o n t.

Div. Artillery.

No. G.S. 12/61 10th August 1918.

A practice S.O.S. will be carried out tomorrow,
11th instant at 12 noon.

The following signals will be used for the
practice, being fired from the vicinity of ALVYN PARK :-

- (1) RED over GREEN over YELLOW
- (2) RED Smoke.

Sd. E. Barton, Major,
for Lieut-Colonel,
General Staff,
9th (Scottish) Division.

C's.C. 2nd Aust Siege Battery
155 Siege Battery RGA
355 Siege Battery RGA
140 Heavy Battery RGA
151 Heavy Battery RGA

For information of F.O.Cs.

10/8/18.

Col Whitth
Adjutant 36th (Aust) Brigade R.G.A.

36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. *10550*

Date.....

350

SECRET.

O's.C. 2nd Aust Siege Battery
 155 Siege Battery RGA
 353 Siege Battery RGA
 140 Heavy Battery RGA
 151 Heavy Battery RGA

36TH (AUSTRALIAN) BDE. R.G.A.	
No.	1051
Date	

Commencing at 12 noon on the 19th instant the
 S.O.B. signal on the XV Corps front will be a rifle grenade
 RMD - RMD - RMD.

Please acknowledge.

W. W. Whittle

16/8/18.

Captain R.A.A.
 Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

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SECRET.

COPY.

XV Corps No. 118/63 G.
16th August 1918.

From midnight 17th/18th instant, until further notice,
the S.O.S. on XV Corps front will be :-

RED smoke S.O. Signal by day.
RED over GREEN over YELLOW by Night.

The RED over GREEN over YELLOW as a night signal will
be superseded by RED - RED - RED at 12 noon on 19th August
in accordance with XV Corps No. 118/63G. dated 14th August 1918,
the day signal remaining RED Smoke.

XV Corps.
16/8/18.

ED. D.J. CORRIGALL, Major,
For Brigadier General,
General Staff.

36th (AUSTRALIAN) BDE., R.G.A. No. 608 53 Date
--

S.O.S. 2nd Aust Siege Battery
155 Siege Battery RGA
355 Siege Battery RGA
140 Heavy Battery RGA
151 Heavy Battery RGA.

For your information.

17/8/18.

W. Whitte

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

8 82

350

SECRET.

COPY.

G.C. 12/65. 16/8/18.

Reference 9th Div. G.C. 12/64 of 15th August (new S.O.S. signal from 15th August), 9th Div. Artillery and Corps H.A. will be prepared to answer either the present S.O.S. signal (RED - GREEN - YELLOW) or the new S.O.S. signal (RED - RED - RED) from 12 noon 15th August to 12 noon 31st August.

36TH
(AUSTRALIAN) BDE.
R.G.A.

No. SOS 51/1
Date.....

ED. R.T. DOLLAND, Major,
For Lieut-Colonel,
General Staff,
9th (Scottish) Division.

-2-

G.C. 2nd Aust Siege Battery
155 Siege Battery RGA
555 Siege Battery RGA
140 Heavy Battery RGA
151 Heavy Battery RGA

For your information.

W.W. Whittle

17/8/18.

Adjutant John (Asst) Watson R.G.A.

350

350

APPENDIX

83
8

O.C. 140 Heavy Battery RGA

36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. 50548/4
Date.....

Amendment No. 2 to S.O.S. 48.

APPENDIX No. 1. 60-pdrs. Nos. 15¹⁶, 17 and
21 are cancelled.

18/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

SECRET

O's.C. 2nd Aust Siege Battery
 155 Siege Battery RGA
 353 Siege Battery RGA
 140 Heavy Battery RGA
 151 Heavy Battery RGA

S.O.S. 48/6.

Amendment No. 4 to S.O.S. 48.

Para. 1. Brigade Sector/ is amended to read as follows :-

F.9.a.80.90 to F.11.e.0.0 on the right
 and
 X.28.b.20.80 to A.2.a.0.0. on the left.

Para. 2. Battery lines are amended as follows :-

155 Siege Battery RGA. F.9.a.80.90 to F.11.e.00.00
 155 " ") F.3.b.23.25 to A.7.d.00.00.
 2nd Aust Siege Battery)

2nd Aust Siege Battery) X.28.c.35.55 to A.7.b.00.80
 353 Siege Battery RGA)

353 Siege Battery RGA X.28.b.20.80 to A.2.a.00.00
 to read

Para. 4. S.O.S. Barrage points will be amended/as follows:-

155 Siege Battery RGA. F.9.b.80.25 to F.4.c.55.55.

2nd Aust Siege Battery F.4.c.55.55 to F.4.b.42.75.

353 Siege Battery RGA F.4.b.42.75 to X.29.c.0.0 to
 X.29.a.1.3.

W. W. Whittle

20/8/18.

Captain R.A.A.
 Adjutant 36th (Aust) Brigade R.G.A.

350 350

APPENDIX

8 85

O.C. 140 Heavy Battery RGA

36TH
(AUSTRALIAN) BDE.,
R.G.A.
No. *S.O.S. 48/5*
Date

Amendment No. 3 to S.O.S. 48.

AMENDMENT No. 2 cancelled.

APPENDIX I: TARGETS FOR 60-PDR. GUNS.

Number 15.	For "OUTTERSTERN" read "F.15.c.85.75."
Number 16.	For "F.10.a.1.8" read "F.10.a.35.35."
Number 17.	For "F.4.d.0.4." read "F.10.b.25.90."
Number 21.	For "F.3.c.9.0." read "F.9.d.8.4."

W. W. Whitt

20/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

8

86

O's.C. 140 Heavy Battery RGA
151 Heavy Battery RGA

36TH (AUSTRALIAN) BDE., R.G.A. No. 50548/7 Date.....
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Amendment No. 5 to S.O.S. 48.

APPENDIX I. Nos. 15, 20, 21 and 23 are cancelled.

22/8/18.

W. Whittle

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

87

SECRET.36TH
(AUSTRALIAN) BDE.,
R.G.A.

No. 50848/8

Date.....

36TH (AUST) BRIGADE RGA: S.O.S. and COUNTER PREPARATION.

Appendix I and II issued with S.O.S. 48 is cancelled and should be destroyed.

The attached new Appendix I will be substituted.
140 and 151 Heavy Batteries, please acknowledge.

Captain R.A.A.

Adjutant 36th (Aust) Brigade R.G.A.

26/8/18.

To all recipients of 36th (Aust) Brigade RGA. S.O.S. 48.

APPENDIX I: TARGETS FOR 60-Pdr. GUNS.

<u>Number.</u>	<u>Alotted to.</u>
1. Road F.16.d.7.7. to DOULIEU cross-roads, and light railway F.23.c.52.80 to F.29.d.4.5.	140 H.B.
2. Tracks from NOOTE BOOM to S.E. through F.17.b. and d., and F.18.c.	140 H.B.
3. Road A.8.c.8.0. to LA BECQUE	140 H.B.
4. Road A.20.a.6.1. to A.26.b.10.85	140 H.B.
5. Road F.23.b.80.45 to F.24.c.20.00	140 H.B.
6. Track F.24.a.5.8. to F.24.c.8.1.	140 H.B.
7. Road F.30.c.65.90 to G.8.d.85.55	151 H.B.
8. Road G.1.d.70.80 to G.8.d.45.00	151 H.B.
9. Road L.5.d.45.85 to L.12.c.55.75	151 H.B.
10. Road Cemetery to A.14.a.50.85	151 H.B.
11. Road CABARET DU SAULE to STEENWERCK.	151 H.B.
12. Road G.2.b.40.90 to G.3.c.90.20	151 H.B.
13. Road A.26.d.30.40 to G.3.d.70.40	151 H.B.
14. Road L.4.b.60.60 to L.18.a.10.40	151 H.B.
15. Road A.23.c.15.85 to A.22.a.35.80	151 H.B.

Guns will be laid on the following targets for night lines +
 140 H.B. Targets 1 (2 guns) 2, 3, 4, 6.
 151 H.B. Targets 7, 9, 10, 11, 13, 14.

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SECRET.

APPENDIX	
36TH	
(AUSTRALIAN) BDE.,	
R.G.A.	
S.O.S. 48/9.	
No.
Date

88

O's.C. 2nd Aust Siege Battery
 155 Siege Battery RGA
 353 Siege Battery RGA
 140 Heavy Battery RGA
 151 Heavy Battery RGA.

Amendment No. 6 to S.O.S. 48.

Para. 1. Brigade Sector is amended to read as follows :-

F11.c.o.o to A.26.d.2.o. on the right
 and

X23.c.o.4. to A.2.c.o.o on the left.

Para. 2. Battery Lines are amended as follows :-

155 S.B. F.11.c.o.o to A.26.d.2.o

155 S.B.) F.4.d.80.33 to A.13.d.7.o

2 A.S.B.)

2 A.S.B.) F.5.b.o.2. to F.22.a.85.00¹⁴

353 S.B.)

353 S.B. X.23.c.o.4. to A.2.c.o.o.

Para. 4. S.O.S. Barrage points will be amended to read
 as follows :-

155 S.B. F.10.a.7.5. to F.4.d.40.75

2 A.S.B. F.4.d.40.75 to X.29.c.o.5.

353 S.B. X.29.c.o.5. to X.23.c.o.4.

W. Whitt

28/6/18.

Captain R.A.A.
 Adjutant 36th (Aust) Brigade R.G.A.

SECRET.

O's.C. 2nd Aust Siege Battery
 155 Siege Battery RGA
 353 Siege Battery RGA
 140 Heavy Battery RGA
 151 Heavy Battery RGA.

36TH
 (AUSTRALIAN) BDE.,
 R.G.A.

No. SOS 45/3

Date.....

COUNTER PREPARATION SCHEME.

Reference "S.O.S" 45.

Para. 4. Add new sub para.

Searching will be carried out on the following principles:-
 Counter Preparation lanes are divided up into areas having a frontage of the width of the lane and a depth of 200 yards, this gives six lines.

Each line is given a Code name :- ALPHA, BETA, GAMMA, DELTA, TOP, OMEGA., ALPHA being at 1500 yards from our front line, OMEGA at 2500 yards.

Orders will be issued by Brigade as to the line to be opened on, also time between lifts or drops and rate of fire.

The following is an example of an order that might be sent:-
 Counter Preparation - GAMMA UP - LIFTS THREE MINUTES RAPID.

On this order Batteries would open fire on line GAMMA for three minutes RAPID, then lift to DELTA, and other lines in succession, after three minutes on OMEGA drop to ALPHA for three minutes, then lift to BETA ceasing fire after three minutes on that line;

If the order should be "DOWN" the process would be reversed, and after three minutes on GAMMA drop to BETA and ALPHA in succession, then lift to OMEGA and drop successively on to the other lines, finishing on DELTA.

If "DOWN" is required the word drops will be used in lieu of lifts.

If gas shell is required, the percentage required and "GAS" will be included in the order.

30/7/18.

Captain R.A.A.
 Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

10 90

SECRET.

36TH
(AUSTRALIAN) BDE.,
R.G.A.
No. 00/96.
Date

O.C. 151 Heavy Battery R.G.A.

1. Unless the conditions are unfavourable, there will be a Gas bombardment of the main road (and houses on both sides) in L.14.d and 21.a on the night 12/13th August.

Commencing at 11.30 p.m. there will be 1 minute's "intense" fire with H.E. (106 fuze) followed with by 5 minutes gas at the same rate.

At 12 midnight.)	
12.30 a.m.	)	there will be 2 minutes bursts of fire
1.0 a.m.	)	at intense rates, gas shell only.
1.30 a.m.)	
2.0 a.m.)	
2.30 a.m.)	

2. Batteries will fire as under :-

L.14.d. - 151 Heavy Battery. 4 guns.

3. Time will be checked from this Office at 9.45 p.m. 12th August.

4. ACKNOWLEDGE.

12-8-18.

Adjutant 36th. (Aust) Brigade R.G.A.
Captain R.A.A.

350

SECRET

OPERATION ORDER NO. 97

APPENDIX

36TH
(AUSTRALIAN) BDE.,
R.G.A. 9. 2. 1. 2.

Date.....

1. X Corps are firing a concentration on Support Companies' billets in BAILLEUL on night 13/14th August.
The billets are in cellars on either side of the street from S.20.c.35.40 to S.26.a.35.75.
2. XV Corps S.A. will co-operate by firing a concentration on small square in S.13.d.5.0.
3. Batteries will fire as under :-
ZERO to ZERO plus 6: All hows. that can bear -
H.B. delay fuses - Rate INTENSE
ZERO plus 6 to ZERO plus 16: All 6" Hows. that can bear -
Gas Shell lethal - Rate RAPID.
ZERO to ZERO plus 16: All 60-pdrs. that can bear -
Shrapnel if possible, otherwise H.B. -
Rate RAPID.
At ZERO plus 1, 359 S.B. will fire 1 round.
4. ZERO hour will be 1.30a.m.
5. Watches will be synchronised from this Office at 12 midnight 13/14th August.
6. If the weather is unfavourable for gas, notice will be given from this office about 10.0p.m. 15th August.
In this case the programme will stand as arranged from ZERO to ZERO plus 6, at which time firing will cease!
7. All Batteries of 36 Bde will fire on small square in S.13.d.5.0 at above rates and times.
8. Please ACKNOWLEDGE by wire.

13/8/18.

flycatcher

Adjutant 36th (Aust) Brigade R.G.A. Captain R.A.A.

Copy No.	1	2	A.S.B.
	2	155	S.B.
	3	353	S.B.
	4	140	H.B.
	5	151	H.B.

SECRET.

Copy No. 6

36TH (AUSTRALIAN) BRIGADE RGA. OPERATION ORDER NO. 98.

Reference map 1/20,000: 300 NE Edition 7a.
27 SE Edition 30.
and 1/10,000: map 'A' attached (151 H.B. only).
Sketch 'b'.

on 18th Aug.

1. At ZERO hour ~~on~~ (to be notified later), the 9th and 29th Divisions are carrying out an operation to extend our front Southwards along the HOEGENACKER RIDGE.
2. The first objective is shown by a RED line on Sketch 'B' attached. When this line has been secured, a further advance will be made on the right to the line shown in BLUE on Sketch 'B'.
3. After the capture of the BLUE line the boundary between the divisions will run F.3.b.20.10 to F.3.b.20.60 to X.26 central, and thence as at present.
4. 151 H.B. will put up an enfilade creeping shrapnel barrage in accordance with special barrage map 'A' (issued to 151 H.B.). Corrector will be chosen to give 25% of bursts on graze. From 0 plus 90 to 0 plus 180, 151 H.B. will harass the roads and approaches to the area of operations at a slow rate.
5. The additional support by Batteries will be in accordance with Table 'C' attached.
6. Counter-Battery work is being arranged by the C.B.S.O. from ZERO onwards. X Corps H.A. are co-operating in this.
7. At 0 plus 90 infantry patrols will push out and try to reach OUTERSTEENE. There will be no fire West of line F.4.a.O.O. to F.10.a.O.O. to F.9.c.O.O. after 0 plus 90.
8. The final protective barrage will be laid down at plus 500 yards from the infantry front line in Battery sectors, except that fire will not be brought to bear within the line F.4.a.O.O. to F.10.a.O.O. to F.9.c.O.O.
Protective Barrage lines for Batteries will therefore be as follows :-
155 S.B. From F.9.d.70.82 to F.10.a.O.O. to F.4.c.O.3.
2 A.S.B. From F.4.c.O.3. to F.4.a.85.56
353 S.B. From F.4.a.85.56 to X.28.d.75.90.
All howitzers on conclusion of tasks allotted in Table 'C' when not engaged in Counter-Battery work, will fire on the protective barrage at a normal rate up to ZERO plus 3 hours.
Once every hour Batteries will search out to and back from, in 200 yard lifts, a distance of 1000 yards from the final protective barrage. Times for this will, if possible, be ordered from this Office.
9. S.O.S. lines will be laid down on the final protective barrage line, until Infantry Brigadiers ask for them to be brought within the line F.4.a.O.O. to F.10.a.O.O. to F.9.c.O.O.

10. A contact patrol, marked with black flag on trailing edge of under plane and coloured streamer on tail, will go over at ZERO plus 30 minutes and at ZERO plus 70 minutes. A counter-attack patrol will watch the front from ZERO hour onwards until dusk. A RED VERY LIGHT dropped from the 'plane means that the hostile infantry is about to attack.

11. The following light signals will be used :-

Objective gained:	BLUE SMOKE, rifle grenade.
Lengthen range 100	WHITE changing to GREEN. rifle grenade.
S.O.S. by day	RED SMOKE, Rifle grenade
S.O.S. by night:	Ordinary S.O.S. signal.
S.O.S. if in mist:	Short blasts on Strombos horn in addition to light signals.

12. Watches will be synchronised by this Office.

13. Batteries PLEASE ACKNOWLEDGE BY WIRE.

W. H. Little

Captain R.A.A.
Adjutant 30th (Aust) Brigade R.G.A.

17/8/18

Copy no. 1 2 A.S.B.
2 155 S.B.
3 353 S.B.
4 140 H.B.
5 151 H.B.
6/8 War Diary
9 File.

36TH (AUSTRALIAN) BRIGADE RGA. OPERATION ORDER NO. 96: TABLE 'C'.

Battery	No. of guns	Nature	Time		Target	Rate of fire	Fuze	Remarks.
			From	to				
155 S.B.	2	6" hows	0	0+70	EWELL FARM (1 gun):	INTENSE	(50% delay	
	1	6" hows	0	0+70	AUK HOUSE (1 gun).	0 to 0+10	(and 106	
	1	6" hows	0	0+70	X.29.c.0.5.	NORMAL	(106	
353 S.B.	4	6" hows	0	0+12	CLAPBANK.	0+10 to 0+70	(106.	
			0+12	0+60	Area about X.28.b.5.8. to X.28.b.9.7. <i>22d 9-0</i>	INTENSE	((50% delay	
					X.28.b.9.7 and X.28.b.9.5. to 9.0	NORMAL	(delay	
2 Aust SB.	6	9'2" hows	0	0+70	F.4.c.5.7. to F.4.c.4.3. to F.4.b.7.0 to F.4.b.9.7.	NORMAL 0 to 0+50	(106	
						INTENSE 0+50 to 0+70	(
140 H.B.	4	60-pars	0+40	0+180	Enfilade roads, tracks, and approaches to area of operations.	In bursts average normal.	Shrapnel	Not to fire within 250' of H.A. final protective barrage line.

Batteries as they finish their tasks will be available for Counter-Battery work, if required.

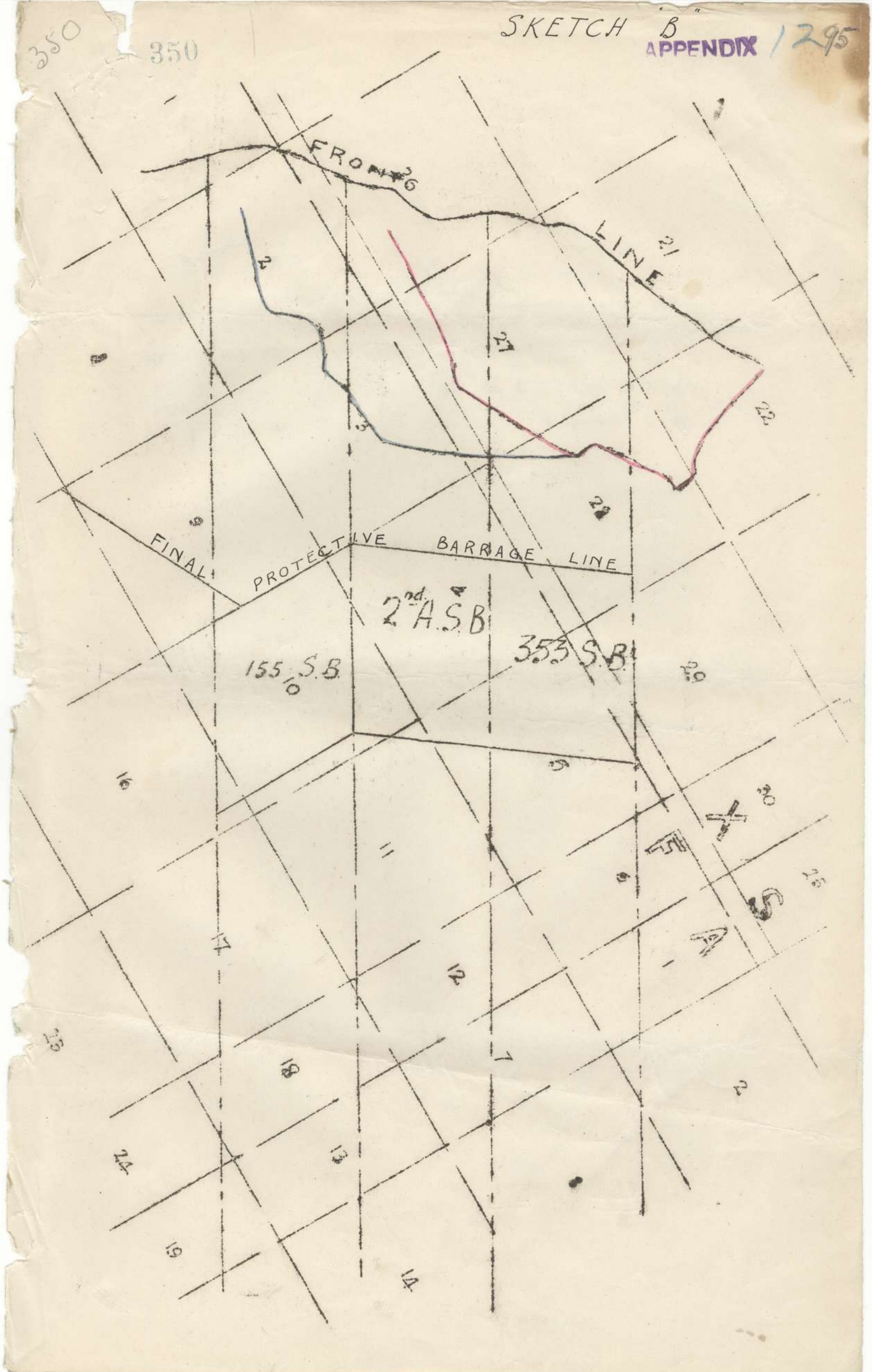
APPENDIX

12 94

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SKETCH B
APPENDIX 1295



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SECRET.

O.C. 151 Heavy Battery RGA.

36TH
(AUSTRALIAN) BDE.,
R.G.A.

00/98/21

Date.....

AMENDMENT NO. 1 TO OPERATION ORDER NO. 98.

Reference Barrage Map 'A'.

151 H.B. will open fire at ZERO instead of ZERO minus one minute.

Apart from this there will be no alteration in the clock times stated in the orders already issued.

Barrage Lines will be numbered from 1 to 17, No. 1 being the line on which fire is opened.

If on account of the Infantry being held up it is desired to bring the Barrage back, the line to which it is to be brought back will be ordered. The Barrage will then be continued in two minute lifts.

W. Whitth

17/8/18

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

12 97

350

SECRET.

36TH (AUSTRALIAN) RGA.
No. 00/98/3
Date

O.C. 140 Heavy Battery RGA

From ZERO to ZERO plus 20.140 Heavy Battery RGA. will
engage the following hostile Batteries :-.

AA.19, AA.16, AA.84.. Rates of fire ZERO - ZERO+7 Intense
ZERO+7 to ZERO+20 Rapid.
50% Shrapnel 50% HE.

Please ACKNOWLEDGE.

Whittle

17/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

12

98

XII

SECRET.

36TH (AUSTRALIAN) BDE., R.G.A.
No. 00 -98/6
Date.....

O.C. 151 Heavy Battery RGA

In Amendment No. 1.

Reference Barrage Map 'A'.

151 H.B. will open fire at ZERO PLUS ONE and not
as therein stated.

Apart from this there will be no alteration in the
clock times stated in the orders already issued.

18/8/18.

W.W. Whittle

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

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APPENDIX

12 99

SECRET.

36TH
(AUSTRALIAN) BDE.,
R.G.A.
00/98/5
Date

G's.C. 2nd Aust Siege Battery Y
155 Siege Battery BGA
355 Siege Battery BGA
140 Heavy Battery BGA
191 Heavy Battery BGA

With reference to para. 1 - 36th (Aust) Brigade BGA.
00/98 ZHO hour will be 11.00 a.m. on 18th August.

Should it be necessary for any reason to cancel the
operation the following code will be used "CHURCH PARADE
CANCELLED".

In the event of the operation having to be postponed
the code will be "CHURCH PARADE WILL TAKE PLACE AT
DETAILS FOLLOWING."

Please ACKNOWLEDGE BY WIRE.

W. W. Little

18/8/18.

Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

350
350
SECRET.

O.C. 353 Siege Battery RGA

AMENDMENT NO. 2 to 36TH BRIGADE RGA. OPERATION
ORDER NO. 98.

353 S.B. TABLE 'C'.
O plus 12 to O plus 60: FOR X.28.b.9.7. and X.28.b.9.5.-9.0.
READ X.28.b.9.7. and X.28.b.9.9. to
X.22.d.9.0.

Please ACKNOWLEDGE BY WIRE.

18/8/18.

W. W. Little
Captain R.A.A.
Adjutant 36th (Aust) Brigade R.G.A.

36TH (AUSTRALIAN) BDE., R.G.A.
No. 00198/4
Date

13
36TH
(AUSTRALIAN) BDE..
R.G.A.
No. 00199
Date

101

O.C. 140 Heavy Battery RCA

1. The Corps on our left are attacking the DRANOUTRE ridge the 21st inst.
2. ZERO hour 2.5a.m. 21st August.
3. Hostile batteries will be engaged as under :-

36th Brigade
140 Heavy Battery RGA 2 guns A.5.d.19.59
c.94.24
2 " A.5.d.43.92
- 16.94

4.	Zero plus 2 to Zero plus 6	Intense (H.E. & T.S. if possible)
	Zero plus 6 to Zero plus 9	Intense (6" How and 60-pdr gas if weather permits).
	Zero plus 9 to Zero plus 20	Normal (H.E. & T.S.)
	Zero plus 20 to Zero plus 35	Slow (H.E. & T.S.)
	Zero plus 35 to Zero plus 38	Gunfire (6" hows & 60-pdr gas if weather permits).
	Zero plus 38 to Zero plus 43	Normal (H.E. & T.S.)
	Zero plus 43 to Zero plus 60	Slow (H.E. & T.S.)
	Zero plus 60 to Zero plus 65	Normal (H.E. & T.S.)
	Zero plus 65 to Zero plus 70	Slow (H.E. & T.S.)
	Zero plus 70	STOP.

During Normal and slow rates, fire will be of a harassing nature and not at a regular rate.

5. Ammunition. As detailed in 4.
6. Synchronisation from this Office at 10.30p.m. 20th inst.
7. ACKNOWLEDGE by wire.

20th August 1918.

Adjutant 36th (Aust) Brigade R.C.A. Captain R.A.A.

EXTRACTS FROM I. T. REPORTS.

XIV SECRET

350

36TH CO
(AUSTRALIAN) DIV.
R.G.A.
No. 282
Date

Time. Code Call.

0506 LURE A.
(1) Yes. (2) Hello. (1) Please tell Sgt. Whittaker there's a parcel up here for him.
(2) Thanks. Righto.

1051 PUSE 2 days after.
(1) Hello. Is that Sge. Whittaker? (2) Yes. (1) Did you get that parcel?
NOTE:- Enemy now knows the system of our change of code.

0905 CR51 B.
(1) Hello. Is that G.W.? (2) Yes. (1) Where did you put in the Newton? (2) At JOPPA.
(1) Where's that? (2) You'd better find out. I can't tell you on the phone. (1) Right. I see.

0430 APF 15 days later.
(1) Hello, L.A.5. Take this message please. (2) Right. (1) Enemy attempted raid just N. of JOPPA stop he was driven off by L.G. and rifle fire stop.
NOTE:- Enemy now knows the position of the 6" Newton trench Mortar.

0816 O.P.C. C.
(1) Hello. (2) That rear O.P. (1) Yes. etc.

1015 RE. later.
(1) Hello. O.P.C. speaking. Mr. J. is shutting down till shelling stops. They have been on this place with heavy stuff for the last hour.
NOTE:- Enemy now knows O.P.C. is the rear O.P. of R.E. and has only to ask his heavies what they were shelling from 9.45 to 10.15 and he has got its position.

1754 DF. D.
(1) Hello O.P. got your intelligence report? (2) Yes. Wait a minute I've got to go upstairs for it. (2) Hello. Are you ready? (1) Yes. (2) 4.10 p.m. Hostile balloon up 175° 6'.
4.16 p.m. Enemy shelling X.14.d. about 50 rounds 5.9 flash bearing 130° 2'. One salvo of three rounds was fired. (1) Oh! I say there's someone else on the line. (2) Oh! All right. I'll give it to the signaller to give you.
NOTE:- Enemy presumably knows which balloon was up at 4.10 pm. and which battery was shelling X.14.d. at 4.16 p.m. A back bearing from each of these gives him the intersection of the O.P.!

APPENDIX

14

102

J.H.H. To all Batteries. Special care is taken that no messages which are labels & give information to the enemy, are sent over line in clear

350
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CONFIDENTIAL.

14/103
APPENDIX
all

Second Army.
No. G.I./25/10.
24/7/18.

XV Corps.

1. Documents recently captured from the enemy disclose the fact that much valuable information is often communicated to him by British prisoners.
2. The necessity of impressing upon the men the serious consequences of disclosing information to the enemy must therefore constantly be kept in mind.
3. Unit Commanders must explain to their men the correct attitude to adopt when they are unfortunate enough to fall into the enemy's hands, and the means which are taken to induce them to divulge information. The employment of an English speaking Gorman, dressed as a British soldier, is a well known device on the part of the enemy, and should be fully explained to the men, while no opportunity should be lost of impressing these facts on officers, non-commissioned officers and men at Army and Corps Schools.

(Sd) J. PERCY,
Major-General,
General Staff.

- 2 -

XV Corps
No. I.G.38a/12.

XV Corps H.A.

Forwarded.

1. Attention is drawn to G.R.Os Nos.3891 and 2142. It is to be constantly impressed on all Officers and men that if captured they are only to state their names and rank.
2. All ranks should also be reminded that discussion by Officers and other ranks at any time of forthcoming operations except in the execution of their duties is forbidden. Such discussion may lead to valuable information reaching the enemy and so prejudice the success of our operations.

(Sd) H. KNOX.
Brigadier-General,
General Staff.

XV Corps,
25.7.18.

- 3 -

XV Corps H.A.No: GM/2/72.
27/7/18.

1st Brigade, RGA.
12th Brigade, RGA.
13th Brigade, RGA.
33rd Brigade, RGA.
36th Brigade, RGA.
45th Brigade, RGA.
64th Brigade, RGA.
98th Brigade, RGA.
'X' Brigade, RGA.

Forwarded for your information.

H.Q. H.A. XV Corps,
27th July, 1918.

a/Brigade Major, Heavy Artillery, XV Corps.

for Major,

To Batley, Commander for action
J.H.H.

O.B./492.
Second Army G.T. 812
 XV Corps H.A. No. GN/3/10.
 18th August 1918.

36th (Aust) Brigade RGA.

Cases have occurred in which Gas casualties have been caused by men entering dugouts abandoned by the enemy in which Yellow Cross Gas shells have been exploded.

In one case a dugout was found to contain a 150 m.m. Yellow Cross Gas Shell, by the side of which were laid two slabs of "PERDITE" fitted with a firing device. The explosion of the "PERDITE" would break up the gas shell without doing much damage to the dugout, and as a result the dugout would be filled with a cloud of gas in high concentration.

All troops should be warned of this practice on the part of the enemy, and captured dugouts should not be entered without the necessary precautions.

During a raid recently, the enemy dropped a number of smoke generating tubes and 77 m.m. Yellow Cross Gas shells in to the ventilating shaft of a tunnel. To guard against such action in future, the entrances to tunnels or ventilating shafts should, where possible, be protected by thick barbed wire entanglements, and an adequate system of ventilation should be arranged to prevent an accumulation of poisonous gas in the tunnel.

General Headquarters.
 15th August 1918.

SD. R. WALLACE, Colonel.
 For Lieut-General, C.G.S.

-2-

O's.C. 2nd Aust Siege Battery
 155 Siege Battery RGA
 353 Siege Battery RGA
 140 Heavy Battery RGA
 151 Heavy Battery RGA

For your information.

19/8/18.

SD. W.W. WHITTLE, Captain R.A.A.
 Adjutant 36th (Aust) Brigade R.G.A.

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36TH (AUSTRALIAN) BDE., R.G.A. No. <u>2300</u> Date

APPENDIX

15 XV 105

O.B./492.
Second Army G.T.812
18th August, 1918.

Cases have occurred in which gas casualties have been caused by men entering dugouts abandoned by the enemy in which Yellow Cross gas shells have been exploded.

In one case a dugout was found to contain a 150 m.m. Yellow Cross gas shell, by the side of which were laid two slabs of "PERDITE" fitted with a firing device. The explosion of the "PERDITE" would break up the gas shell without doing much damage to the dugout, and as a result the dugout would be filled with a cloud of gas in high concentration.

All troops should be warned of this practice on the part of the enemy, and captured dugouts should not be entered without the necessary precautions.

During a raid recently, the enemy dropped a number of smoke generating tubes and 77m.m. Yellow Cross shells in to the ventilating shaft of a tunnel. To guard against such action in future, the entrances to tunnels or ventilating shafts should where possible, be protected by thick barbed wire entanglements, and an adequate system of ventilation should be arranged to prevent an accumulation of poisonous gas in the tunnel.

(Sd) R. WALLACE. Colonel. G.S.

General Headquarters.
15th August, 1918.

for Lieutenant-General. C.G.S.

- 2 -

XV Corps H.A. No. GN/3/10.
18th August, 1918.

- 1st Brigade, RGA.
 - 33rd Brigade, RGA.
 - 36th Brigade, RGA.
 - 45th Brigade, RGA.
 - 64th Brigade, RGA.
 - "X" Brigade, RGA.
-

all

For your information.

[Signature]

H.Q.H.A., XV Corps.
18th August, 1918.

Major.
Brigade Major, Heavy Artillery, XV Corps.

Copy to:- H.A.G.O.

[Handwritten mark]

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APPENDIX 10 106
XV Corps No, 89/129/1 G.
R.A. XV Corps No. F.7/27/1.

AMENDMENT TO XV CORPS ANTI-GAS INSTRUCTIONS.
(XV Corp. No. 89/126 G. dated 21/7/18).

1. Para. 2 is cancelled and the following substituted:
"2. Gas Zones. (S.S.534 - Appendix IV, Para. 1.).
(a) The rear boundaries of the ALERT and READY Zones are as follows :-
ALERT ZONE.
Corps Southern Boundary (D.28.b.7.3.) along N.W. edge of BOIS CLEBERT - D.23.d.0.6. - D.16.d.2.2. - along road to D.6.d.0.2. to D.6.a.5.8. - W.19.c.7.8. - West of COQ de PAILLE.
READY ZONE.
OXELAERE - THIENNES Road to Road junction U.5.a. - East of ST. MARIE CAPPEL."
2. In para. 2 (b) for "Reserve Division in the BLARINGHEM area" read "C.E. XV Corps" and for "Precautionary Zone" read "Ready Zone".

(SD). W.P.LIPSCOMB. Capt.
for Brigadier-General,
General Staff.

XV Corps.
20/8/18.

- 2 -

XV Corps H.A: No. GN/1/16.
21/8/18.

1st. Brigade, RGA.
33rd Brigade, RGA.
36th Brigade, RGA. — *ad*
45th. Brigade, RGA.
34th. Brigade, RGA.
"X" Brigade, RGA.

For your information, reference my No, GN/1/13 dated 22/7/18.

H.Q. H.A. XV Corps.
21st. August, 1918.

as
Major,
Brigade Major, Heavy Artillery, XV Corps.

HH
Copy to H.A.R.S.

SECRET

Second Army No. G.T.849.
XV Corps No. 89/129 G.
R.A. XV Corps No. F.7/32.

XV Corps.

Reference S.S.193, Section I, and S.S.534, Appendix 4, Section 1, as recently amended.

1. Rear boundaries of the Alert and Ready Zones in the Second Army area will be as follows :-

ALERT ZONE. West of ELVERDINGHE, West of VLAMERTINGHE, West of HEMINGHELST, East of BOESCHEPE, East of GODEWAERSVELDE, West of COQ DE PAILLE, West of BORRE, West of LE TIR ANGLAIS, Western edge of BOIS CLEBERT.

READY ZONE. East of CHOMBERG, East of LOVIE CHATEAU, East of VOGELTJE CONVENT, RATTEKOT INN, West of STEENVOORDE, East of TERDEGHEM, East of ST. MARIE CAPPEL, Road junction in U.S.a., Old Roman Road to Army Boundary.

2. In addition, Corps will arrange to include in the Ready Zone, towns, villages and camps to the West of the above line if they are likely to be shelled with long range gas shell.

3. The limits of these zones will be indicated by notice boards on all roads affected. Existing notice boards which conflict with the above will be changed forthwith.

4. All previous instructions defining Gas Zones in this Army area are cancelled.

(SD). F.C.TANNER. Lt-Col.
for M.G. G.S. Second Army.

18/8/18.

- 2 -

XV Corps H.A.

The above amendments to the Gas Zones in Second Army area are forwarded.

Attention is called to the more detailed limits of the Alert Zone within the Corps area as given in XV Corps No. 89/129/1 G, dated 20th. August, 1918.

(SD). W.P.LIPSCOMB. Capt. for
B.G., G.S. XV Corps.

20/8/18.

- 3 -

1st. Brigade, RGA.
33rd. Brigade, RGA.
36th. Brigade, RGA.
45th. Brigade, RGA.
64th. Brigade, RGA.
"X" Brigade, RGA.

XV Corps H.A: No. GN/1/17.
21/8/18.

For your information.

XV Corps letter No. 89/129/1.G. dated 20/8/18, above referred to, was forwarded under my No. GN/1/16 dated 21/8/18.

H.Q. H.A. XV Corps.
21st. August, 1918.

Major,
Brigade Major, Heavy Artillery, XV Corps.

Copy to H.A.R.S.



XV

S.S. 184/11.

T.2104.

GAS WARFARE

MONTHLY SUMMARY OF INFORMATION

No. 11

MAY

1918.

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[ISSUED BY THE GENERAL STAFF.]

6-18.

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S.S. 184/11.]

[T.2104.]

GAS WARFARE.

MONTHLY SUMMARY OF INFORMATION.

No. 11.

May, 1918.

I.—OFFENSIVE.

1.—Operations of the Special Brigade, R.E.

Cylinder and projector attacks on an extensive scale were made in the Auchy—Lens sector, in addition to a continuous series of gas operations on the remainder of the British front.

General.—An extract from a captured German letter runs:—

“ Our regiment has already had many losses from gas. It is the most terrible death there can be when one has swallowed gas.”

The following German press extracts, dealing with the discussion of military questions before the Main Committee of the Reichstag, indicate that uneasiness is felt by the German people with regard to German losses from gas:—

“ Casualties from enemy poison gas admit on the whole of a favourable judgment, as the harm involved is only temporary, and in most cases no ill after-effects persist.” (*Tägliche Rundschau*, 24-4-18.)

“ Cases of gas poisoning are not as a rule accompanied by harmful consequences, even though the treatment extends sometimes over a long period.” (*Vorwärts*, 25-4-18.)

Evidence of Results not previously Known.—Between the 24th April and the 6th May, 1918, four small gas operations were carried out in the Merris—Meteren sector. A prisoner of the regiment holding this sector states that heavy losses have been caused, most of the companies having been reduced to a strength of 30 men.

On the night of the 12th-13th May, 1918, an extensive operation with cylinders and projectors took place against the 1st Bavarian Reserve Division, the 207th Division, the 42nd Division, and 1st Guard Reserve Division, in the Auchy—Hulluch—Lens sector. This operation is too recent for much to be known as to

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its effects, but information already obtained shows that the first-named division suffered severe casualties both in dead and gassed, while the 209th R.I.R. of the 207th Division also had heavy losses. Prisoners state that the majority of the casualties occurred behind the front system. After this operation 40 bodies were counted outside the enemy's wire, stretcher cases were observed being carried away, and more dead bodies were seen being loaded on to trucks on a field tramway. Indications of a relief were also reported subsequently.

The 17th I.R. (42nd Division) is stated by prisoners to have suffered 120 casualties, including many dead from a recent gas attack. These probably occurred on the occasion mentioned above, *i.e.*, the 12th-13th May; a relief was in progress at the time of the attack, and two battalions were caught in it.

The division in line on the right of the 42nd Division had very heavy losses.

Five gas attacks were made against the sector of the 28th R.I.R. between the 20th July and the 29th August, 1917, and heavy casualties were inflicted on the enemy. Prisoners state that cases of gas poisoning seemed to be of almost daily occurrence, and that men only returned to their units after 6 or 7 months in hospital. During one of the above attacks, a "gas-mine" burst at the entrance of a dug-out, killing the 9 occupants although they were wearing masks.

A company of the 152nd I.R. (41st Division) in the Armentières sector was practically annihilated by a projector shoot on the 13th March, 1918. The men of another regiment of this division were told by their Regimental Gas Officer that the 152nd I.R. had lost 5 per cent. of its effectives from gas, owing to the failure of the men to adjust the mask in time.

Supplementary Evidence.—From the end of March to the beginning of May, 1918, the 220th Division in the Lens sector suffered 1,600 gas casualties. (*See "Gas Warfare,"* No. 10, April, 1918.) One regiment of this division is reported to have had 400 gas casualties; another had 53 men killed.

Prisoners report that drums projected into Lens on the 2nd April, 1918, caused severe casualties in the 55th R.I.R. and the 190th I.R., both of the 220th Division. Some men were gassed through their respirators.

More recent information shows that the 55th R.I.R. lost 120 dead from gas during the above operations.

Confirmatory Evidence.—The losses from gas suffered by the enemy in the Lens—Hulluch sector in June, July and August, 1916, have been confirmed by a reliable informant.

On the occasion of each of our four cylinder operations during this period, German hospitals behind this sector were filled and emptied many times with gas cases. The enemy were in extreme terror of gas and frequently affirmed that their masks did not give adequate protection. Vegetation was bleached by the gas as far back as 14 km. from the old front line. Many men died after returning to their billets, being unaware of the danger of exertion after breathing a little gas.

The same informant also confirmed the number of German dead buried at Dourges Cemetery. (See "Gas Warfare," No. 9, March, 1918.) In this cemetery alone, from April to the beginning of June, 1917, 2,500 dead from gas were buried; by November, 1917, the number in this cemetery had risen to between 3,000 and 4,000.

During this period five cylinder operations and six shoots with projectors and Stokes mortars took place.

2.—Gas Shell.

Neutralization of enemy batteries.—On the night of the 9th-10th April, 36 hostile batteries on one Corps front were engaged with gas shell, a total of about 2,200 rounds being fired. The subsequent activity of the batteries engaged was as follows:—

2 were first reported active again on the 10th, 1 on the 12th, 5 on the 14th, 3 on the 15th, and the remaining 25 were not again reported active up to the 17th.

The following particulars relate to hostile batteries gassed in April:—

Last seen firing.	Gassed.	First seen active again.
1.37 a.m., 11-4-18.	1 a.m. and 2.30 a.m. 12-4-18.	10.22 p.m., 15-4-18.
9.36 p.m., 22-4-18.	Midnight, 22-4-18.	1.34 p.m., 28-4-18.
11.39 a.m., 25-4-18.	9.0 p.m., 25-4-18.	10.50 a.m., 27-4-18 (1 gun).
8.30 a.m., "		9.35 a.m., 27-4-18.
7. 5 p.m., "		9.44 a.m., 27-4-18 (1 gun).
4.44 p.m., "		1.51 p.m., 28-4-18 (1 gun).

Casualties and other effects.—A prisoner of the 18th I.R. stated that our gas shelling caused considerable inconvenience and affected the *moral* of the troops, but that casualties were slight.

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In a letter dated 5th May, a man of the 18th Division writes:—
“Our company has suffered heavy gas casualties.” These must have been due to our artillery gas shell.

According to prisoners' statements, the 190th I.R. suffered 300 casualties from gas shell during February this year, and the 20th Res. *Jäger* Battalion had over 100 casualties owing to our gas shelling at Marcelcave on the night of the 1st-2nd May. About 400 rounds of 6" howitzer shell were fired on this occasion, and the wind was almost calm.

A captured document belonging to the 21st Res. Div., dated 8-5-18, and headed “Divisional Orders concerning Gas,” contains the following:—

“Recently, in a division on the Western front, a company commander had to be censured because his company before moving up to the trenches were wearing both mask and box slung; 80 casualties were caused by a gas shell bombardment because masks were in consequence put on too late.”

The following passage occurs in a statement made in the Reichstag by the War Minister (von Stein), as reported in the *Dresdner Anzeiger* of 24-5-18:—

“Later came the use of gas shell, which caused us some losses, as it was not always easy to know whether gas shell were being used.”

3.—Enemy's Defensive Measures and Appliances.

Mouth-plate attachment for the mask.—A specimen was obtained from a mask taken from a prisoner, who stated that 40 had recently been issued to each company. The appliance consists of a saddle-shaped plate of a white material resembling celluloid, with a central hole which is attached by a short cylindrical portion to a metal sleeve. The sleeve fits inside the mask over the opening in the mouth-ring, into which the drum is screwed. The saddle-shaped plate is apparently intended to cover the mouth outside the lips, and a fairly tight joint can be made if the drum is held so as to press the plate against the lips.

The attachment performs two functions, either of which may account for its adoption:—

- (1) It prevents the chin from accidentally closing the opening in the mouth-ring.
- (2) In the event of the mask being damaged, it might be pressed against the lips, thus allowing the wearer to breathe directly through the drum.

In connection with (1), it is to be noted that specimens of a small perforated cap to screw over the opening in the mouth-ring have been captured. This is referred to as a mouth-ring cover (*Mundringdeckel*), and is issued to men with long faces to prevent the chin from closing the opening.

New type of mask box.—This is similar to the ordinary box, except that the sides and bottom are made of three-ply wood. It is nearly 5 ozs. lighter than the old pattern box, but appears to be less serviceable. Possibly the specimen captured may have been part of an experimental issue.

Extension for respirator drum.—(See "Gas Warfare," No. 9, March, 1918, page 4.) A prisoner of the 179th I.R., captured 31-5-18, states that every man in his battalion carries an extension loose in the mask box. He had been instructed to fix the extension if he noticed German gas, and that it was not intended for use against British gas. Other prisoners have stated that their companies were equipped with extensions, and it appears that a general issue is being made on this front. The extension is referred to by prisoners as a "snap-cover" (*Schnappdeckel*).

II.—DEFENSIVE.

1.—Enemy Cloud Gas Attacks.

None reported.

2.—Enemy Use of Projectors.

The following attacks have been reported during the month:—

1st May: 3 a.m.; N. of Lens; wind, E.N.E., 10-15 m.p.h.; about 500 projectiles in one discharge.

19th May: 11.30 p.m.; Cité St. Elie; wind, calm; about 300 captured British projector drums in one discharge.

31st May: 11.45 p.m.; Hill 70; wind, N.E., 8 m.p.h.; 300 projectiles in two salvos, one of 200 and the other of 100, with 15 minutes interval.

Gas from the discharge on the 1st May was easily noticeable at a point 6,000 yards from the area in which the projectiles fell. Two nights before the attack, sounds of tapping on iron had been heard in the enemy's line. The discharge was heard by the gas sentry at Brigade H.Q., 3,800 yards away. Traces of Blue Cross are reported on this occasion, and may have been due to the bomb containing diphenylchlorarsine, described in "Gas Warfare," No. 10, April, 1918, Page 11.

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On the 19th May, the projectiles used were captured British drums containing phosgene. Shortly before the discharge, an enemy working party was heard, and fired on by trench mortars. A bell was heard and two red rockets went up; ten minutes later the projectiles were fired. The flash was visible at points 10,000 yards behind the line.

The travel of the cloud from the attack on the 31st is reported to have been 7,000 yards.

3.—Gas Shell and T.M. Bombs.

Enemy's activity and tactics.—The enemy has made extensive use of gas shell during the month, but, except towards the end of the period, activity shows a decrease compared with the two preceding months. Yellow Cross shell were chiefly used, but mixed bombardments with Yellow, Blue and Green Cross frequently occurred.

In the bombardment prior to his attack on the Aisne on the 27th May, the enemy used a considerable proportion of gas shell, largely Blue Cross. Green Cross shell were identified, and it is probable that ethyldichlorarsine (Yellow Cross I.) shell were also used. The bombardment on the front held by the British started at 1 a.m., and at 5 a.m. the enemy attacked under cover of a smoke screen produced by trench mortar smoke shell.

On the 4th May, the village of Rivery was bombarded with a few 15 cm. gun shell containing Yellow Cross gas, and 4 similar shell fell in the same neighbourhood on the 5th. Rivery is about 15,000 yards from the nearest part of the line. On the 11th, about 25 shell of the same type were fired into Longeau. (For description of shell, *see* below.)

Other features of interest reported during the month are:—

(a) Use of sudden bursts of fire with gas shell against working parties.

(b) Alleged use of a more effective Blue Cross type of shell.

(c) Supposed use of Yellow Cross shell containing a large proportion of H.E.

(d) Use of phenylcarbylamine chloride on two or three occasions.

Use of Blue Cross shell against machine guns.—The following is an extract from a captured document, dated 17-4-18, headed "Methods of surmounting the Machine Gun Zone":—

"Our preparatory bombardment for the attack must be so arranged that it is suited to this scheme of defence. The

artillery and *Minenwerfer*, which will be specially concentrated at the points of penetration, must open an intense fire with H.E. shell upon a zone extending from the enemy's foremost outpost line to a depth of about 300 yards, while, at the same time, the zone situated at about 660 to 1,100 yards in rear of the line (according to the wind) will be bombarded with Blue Cross gas shell. The wave of H.E. and gas shell will then move slowly forward in front of the infantry."

Enemy Chemical Shell and Bombs.

15 cm. gun Yellow Cross shell.—A blind examined was fitted with the Gr. Z. 04 fuze and had a bursting charge of 43 grammes of picric acid contained in the gaine of the fuze. The contents, which had apparently been the ordinary Yellow Cross liquid (dichlorethyl sulphide), had leaked out through the fuze, which was much damaged. The volume available for chemical filling is 3.3 litres (5.8 pints). The shell is fitted with a false cap and, fired from the 1916 pattern 15 cm. gun, has a maximum range of about 25,000 yards.

Possible new type of Blue Cross shell.—Samples of earth, collected after what was apparently a Blue Cross bombardment, contained hexanitrodiphenylamine and diphenylchlorarsine. It would therefore seem probable that the enemy is using a shell filling similar to that of the projector bomb described in "Gas Warfare," No. 10, April, 1918, page 11. Efforts should be made to secure blind shell for examination.

Phenylcarbylamine chloride.—All the blind shell examined containing this substance have been 15 cm. shell. No markings have been found on the shell, except in the case of one specimen reported by the French to have been marked with a green cross on the base. It is possible that the substance is used as an alternative filling for Green Cross I. shell.

10.5 cm. Green Cross I. shell containing dyes.—Two specimens have been found containing a small quantity of aurin, an orange-red dye.

Austrian 7.7 cm. gas shell.—Reports from the Italian Gas Services state that 7.7 cm. gas shell are largely used by the enemy. The shell is painted dark red, with the letters C.B. in black marked on the body just below the shoulder. The contents are stated to be:—

Cyanogen bromide	8.5	—	23%
Bromacetone	40	—	50%
Benzene	25	—	40%

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Bromacetone and cyanogen bromide are lachrymatory, but are not of a high order of toxicity. The Box Respirator affords complete protection against these substances.

Shell of monobloc construction.—A number of 7.7 c/m. and 10.5 c/m. (howitzer) Yellow Cross shell have been found, which are of monobloc construction, instead of having a screwed-in head as in the older patterns. The object of adopting this construction is to avoid the chance of leakage at the joint.

Some of the 10.5 c/m. howitzer shell, instead of having one copper driving band 14 m/m. wide, are fitted with 2 bands spaced 3 m/m. apart. The upper is a comparatively broad band of zinc alloy, 13 m/m. wide; the lower is a narrow copper band only 4 m/m. wide.

APPENDIX

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XV

S.S.184/12.

T.2104.

GAS WARFARE

MONTHLY SUMMARY OF INFORMATION

No. 12

JUNE

1918.

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7-18.

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[T.2104.

GAS WARFARE.

MONTHLY SUMMARY OF INFORMATION.

No. 12.

June, 1918.

I.—OFFENSIVE.

1.—Operations of the Special Brigade, R.E.

During the month of June, approximately 50 gas operations, including three large cylinder attacks, were carried out in the battle sectors of the Lys and the Somme, and in the neighbourhood of Lens and Arras.

General.—A prisoner, who had recently joined his regiment, was told by his Gas Officer that heavy casualties had been caused by enemy gas on the Western front.

Another prisoner had been warned by his Gas Officer that the greatest care must be exercised with regard to gas masks, as, on one occasion during the Somme battle, 1916, over 1,000 men had been killed by gas, owing to neglect of ordinary precautions. (This refers to one of our cylinder operations during this period.)

Evidence of results not previously known.—A small number of cylinders were discharged in the Bellewaarde sector, in June, 1916, on a battalion front of the 362nd I.R. Information obtained recently shows that 150 casualties, dead and gassed, were caused in the front system alone.

A prisoner of the 29th R.I.R. had the following entry in his diary:—

“ 12th March, 1918. English barrage accompanied by gas mines. Masks worn for over two hours. 400 gas casualties in our regiment.”

These casualties were caused in a projector operation south of Moeuvres, on the 12th March, 1918, in the sector held by the 29th R.I.R. The 87th R.I.R. was also affected by this operation and by a further projector attack on the 17th March; the total gas casualties of this regiment in the two attacks amounted to at least 300.

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Two battalions of the 38th R.I.R. suffered so severely in a projector attack at the end of April, 1918, in the Méricourt sector, that they had to be relieved at once.

Between the 24th and 30th April, 1918, three small gas attacks were made in the neighbourhood of Vieux-Berquin. The 12th Division holding this sector had severe casualties, most of the companies of the 62nd I.R. being reduced to a strength of 30 men. A captured German divisional order referring to these attacks contains the following:—

“ The enemy has repeatedly carried out gas shelling and gas *projector* attacks against this divisional sector. Attention is again called to the importance of strictly carrying out the orders issued on ‘ Gas Alarm ’ and ‘ Gas Discipline. ’ ”

A projector operation on the 9th May, 1918, near Arleux, caused 100 casualties, including 30 deaths, in the 100th Res. Gren. Regt. A ration party and a working party were surprised and had many casualties. The 102nd R.I.R. on the flank also had 30 deaths and many gassed.

A cylinder operation was carried out on the 23rd-24th May, 1918, in the Lens sector. Information obtained up to the present shows that one battalion of the 17th I.R. had 30 deaths in the front line from gas, and many serious gas cases. Many gas cases from this regiment were seen by prisoners in the hospital at Oignies. The 1st Battalion, in support, had 20 dead and 50-60 gassed. Bavarian troops on the flank also lost many men in this attack. An active group of seven batteries, in the track of the cloud, remained silent for four days after the discharge, with the exception of one battery.

The 1st Bn., 28th I.R., is reported to have had 80 casualties as the result of our projector attack on the 8th June, 1918, west of Merville. The troops in the line were taken completely by surprise; 35-40 died in the trenches and several others died later in hospital.

Supplementary Evidence.—Further casualties from our cylinder and projector operation near Lens, on the 12th May, 1918, have been reported in units of the 2nd Bav. R.I.R., and the 1st Bav. Res. Regt. A company of the former regiment lost 6 killed and 14 gassed; a company of the latter, 40 gassed, of whom more than half died. (See “ Gas Warfare,” No 11, May, 1918—120 casualties in the 17th I.R. in this attack.)

More recent information shows that most of the battalions of the 1st Bav. R.I.R. (1st Bav. Res. Div.) suffered severely in the

above attack, as well as the 209th R.I.R. of the division on the flank. All the prisoners of the 1st Bav. Res. Div. showed the greatest reticence concerning gas and appeared to have received special instructions not to mention gas casualties.

Confirmatory Evidence.—Confirmation has been obtained of the serious losses suffered by the 99th R.I.R. and the 190th I.R. in three gas attacks carried out on the 14th and 24th June, and the 9th July, 1917, in the Chérisy—Fontaine sector. (See "Third Report on the Effects of our Gas," S.S. 138/3, September, 1917, p. 15—75 deaths from gas in one battalion in one attack.) A large number of men died in the line and losses in dead and gassed amounted to at least half a battalion.

The heavy casualties suffered by the 220th Div., in the Lens sector, as the result of a projector and Stokes mortar operation on the 21st March, 1918, have been confirmed recently (compare "Gas Warfare," Nos. 10 and 11, for April and May, 1918). The 220th Div. had 700 gas casualties in this attack; the 55th R.I.R. was caught in a relief and lost 45 men. Many cases, which did not at first appear serious, subsequently died in hospital.

2.—Gas Shell.

Neutralization of Enemy Batteries.—On the morning of the 29th May, 32 active hostile battery positions were engaged with gas shell. Their subsequent activity was as follows:—

2	first	reported	active	on	the	30th	May,
2	"	"	"	"	"	31st	May,
1	"	"	"	"	"	1st	June,
2	"	"	"	"	"	2nd	June,

and the remaining 25 had not again been reported active up to the 4th June.

Constant gassing of enemy batteries in Houthulst Forest appears to have caused considerable inconvenience, as these batteries repeatedly moved their positions.

In one Corps, 96 gas shell shoots were carried out against 60 different active hostile batteries. The average time elapsing between our gas shelling and the reappearance of the battery (either in its old position or, as was often the case, at some spot in the near vicinity), was about one week, with limits between one day and a fortnight.

Casualties and other Effects.—Prisoners of the 11th Foot Art. Reg. stated that horses were not provided with respirators and suffered greatly from our gas. Casualties amounting to about 10

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men per battery were caused by our gas shell shoot in the La Motte Valley on the 14th June.

A prisoner of the 28th R.I.R. stated that his company, while in the Hulluch sector, was frequently shelled with gas shell. In the first bombardment they lost many gassed, including three killed. Later, they learnt to protect themselves better, but continued to suffer about four or five gas cases per week.

3.—Enemy's Defensive Measures and Appliances.

German Respirator Drums with new filling.—These are externally exactly similar to the old pattern drums, but the outer layer, which in the old drums consisted of potassium carbonate on pumice or brick, is replaced by a layer of charcoal containing in some cases about 9% of zinc oxide. Some specimens of the new drum thus contain:—

Inner layer (nearest mouth).—Hexamine and potassium carbonate or brick.

Middle layer.—Charcoal, zinc oxide, and about 0.5% hexamine.

Outer layer.—Charcoal with about 9% zinc oxide.

Specimens have also been found in which the partition between the two charcoal layers is omitted.

The new filling has been found in drums dated 14th April, 1918, and it appears that all drums of this date or later contain it. Further information is required to determine the exact date on which the modification was introduced.

The new drum affords considerably better protection against phosgene and chloropicrin than is given by the old pattern drum.

Gas-proof dug-outs.—A captured drawing shows an arrangement of gas curtains for protecting the entrance of a tunnelled dug-out. The system used is similar to that employed by us, except that the curtains are designed to hang vertically and are made of woven paper fabric.

II.—DEFENSIVE.

1.—Enemy Cloud Gas Attacks.

None reported.

2.—Enemy Use of Projectors.

No discharges have been made on the British front during the month.

A prisoner, recently captured by the French, had been in a working party engaged in carrying material for a projector attack, and gave the following information:—

“The projector weighs about 150 lbs., and requires two men to carry it into position. It consists of a metal tube about 4 feet long, with a flat base rounded off to meet the walls. It is set in a circular base-plate, about 2 feet in diameter and shaped to take the bottom of the projector. A wooden slab about 1½ inches thick is placed between the projector and the base-plate. The slab is provided with a hole to allow for the insertion of the electric firing device, which is screwed into the bottom of the projector. The projectors are set up side by side in trenches about 2 feet deep, cut to a V section.”

(Cf. “Gas Warfare,” No. 10, April, 1918, page 8.)

The same prisoner stated that he had seen projector bombs marked with a Blue Cross (cf. *ibid*, page 11) and others marked with a Yellow Cross. The French report that there have been indications of the presence of Yellow Cross gas after a projector attack.

3.—Gas Shell and Trench Mortar Bombs.

Enemy's Activity and Tactics.—As might be expected from the fact that no large scale infantry operations have taken place on the British front, the gas shell activity has been comparatively slight during the month, although a large number of small bombardments have been reported.

On the 17th-18th June, about 70 Yellow Cross 15-cm. gun shell were fired into Bussy, about 9,000 yards from the line, and on the 20th about 350 similar shell were fired into the neighbourhood of Garbecque and Isbergues, a distance of about 10,000 yards from the line.

Several reports have been received of Yellow Cross shell being burst in the air.

On the 24th-25th June, about 150 heavy trench mortar bombs containing Blue Cross gas were reported to have been fired S. of Martinsart, but no blinds were obtained.

On one occasion, phosphorus smoke shell were stated to have been used by the enemy in connection with a raid.

A captured order of the Seventh German Army, dated 8-5-18, gives the proportion of various natures of ammunition to be used for the preliminary bombardments in connection with the enemy's attack on the Aisne on the 27th May (cf. “Gas Warfare,” No. 11, May, 1918, page 6).

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The proportions of chemical shell to be used were:—

(a) *Counter-battery and long range bombardments.*

For 7·7-cm. field guns, 10·5-cm. and 15-cm. howitzers and 10-cm. guns:—Blue Cross 70%, Green Cross 10%, H.E. 20%. Long 15-cm. guns only fired H.E.

(b) *Bombardment of infantry positions.*

(i.) *Creeping barrage.*

For 7·7-cm. field guns and 10·5-cm. and 15-cm. howitzers:—H.E. 60%, Blue Cross 30%, Green Cross 10%. 21-cm. howitzers only fired H.E.

(ii.) *Box barrage.*

7·7-cm. field guns, 10·5-cm. howitzers and 10-cm. guns:—Blue Cross 60%, Green Cross 10%, H.E. 30%.

Yellow Cross 1 shell were suggested for employment as an alternative to Green Cross, but the order stated that great care was to be taken not to confuse Yellow Cross 1 shell with Yellow Cross.

Yellow Cross shell were not to be used at all.

Incendiary shell for 10-cm. guns were allotted on a scale of 500—1,500 per Corps, and 15-cm. howitzer smoke shell on a scale of 500—2,000 per Corps.

Enemy Chemical Shell and Bombs.

15-cm. Yellow Cross—H.E. Shell.—A blind shell of this type has been examined by the French. The shell was painted black and was marked on the side and on the base with a double yellow cross resembling a Lorraine Cross. This cross has two horizontal bars. It was fitted with the *Gr.Z.14* fuze. The lower *two-thirds* of the shell were occupied by a sheet metal container, filled with the usual Yellow Cross liquid (dichlorethyl sulphide). The remainder of the shell was filled with H.E. (40/60 Amatol).

Total weight	...	...	40·3 kg.
Weight of H.E.	...	...	1·2 kg.
Volume of Yellow Cross liquid	...	...	2·25 litres.

There is little doubt that this is the shell referred to in the German document quoted in "Gas Warfare," No. 10, April, 1918, page 11 (*cf.* also "Gas Warfare," No. 11, May, 1918, page 6).

The use of a large proportion of H.E. has the advantage of making a gas bombardment more difficult to detect, but it will result in a reduction of the persistence of the gas.

15-cm. (*Blue Cross*) shell with new filling.—A blind shell, examined by the French, was painted black, but no paint marks were distinguishable, except traces of green letters on the base. It was fitted with Gr.Z.14n/A. fuze. The shell contained H.E. (amatol and dinitrobenzene), and a glass bottle embedded in oxychloride cement and filled with diphenylarsenious cyanide $[(C_6H_5)_2AsCN]$. This substance is a solid which melts at $31^\circ C$ and boils with decomposition at over $300^\circ C$; its properties are apparently similar to those of diphenylchlorarsine (but cf. "Gas Warfare," No. 11, May, 1918, page 6). The following are particulars of the shell, but as the bottle was broken only approximate weights can be given:—

Shell empty, with fuze	...	...	35.1 kg.
H.E.	...	...	2.2 "
Bottle, empty	...	...	0.6 "
Contents of bottle	...	...	1.2 "
Cement	...	...	1.0 "

Total weight of shell ... 40.1 "

The French also report a 7.7-cm. Blue Cross shell containing diphenylarsenious cyanide instead of the usual diphenylchlorarsine.

Efforts should be made to collect Blue Cross shell for examination.

21-cm. *Green Cross 1 Shell*.—A blind shell examined had apparently been painted grey and was marked with a green cross on the base. The fuze was the Gr.Z.92. The shell contained 9.8 litres of liquid consisting of diphosgene 95% and chloropicrin 5%.

10.5-cm. *Green Cross Shell, containing Phenyl Carbylamine Chloride*.—A blind examined by the French had a blue body and yellow head and was marked with a green cross on the base. It was fitted with the H.Z.14 fuze. The contents consisted of about 1.3 litres of impure phenyl carbylamine chloride.

15-cm. *gun Yellow Cross Shell*.—A second blind has been examined, containing 4.7 litres of liquid consisting of:—

Chlorbenzene	...	...	21%
Dichlorethyl sulphide	...	...	75%
Undetermined	...	...	4%

No paint was visible on the specimen.

Green Cross 2 Shell.—Experiments show that, in the presence of diphenylchlorarsine, diphosgene decomposes into phosgene. It therefore seems probable that Green Cross 2 shell were originally

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filled with a solution of diphenylchlorarsine in diphosgene, and that the presence of phosgene found in all specimens examined is due to decomposition of diphosgene.

Shell required for examination.—The captured order referred to on page 6 mentions the following shell:—

10.5-cm. howitzer "C" shell (streamline H.E.).

10-cm. gun incendiary shell.

10-cm. gun shell with false cap.

10-cm. gun Blue Cross shell.

Specimens of these are required for examination.

18-c.m. Smooth-bore Minenwerfer (Projector) bomb with new filling.—A blind projector bomb examined by the French was found to be normal in every way, except that it was filled with a mixture of 60% phosgene and 40% diphosgene.

4.—Gas Hand Grenades.

A grenade has been found by the French, which was similar to the ordinary German stick grenade, but was labelled as follows:—

"Gasstielgranate Bz.

Nur in Windrichtung oder unter Zugluft werfen.

Sprengwolke."

(Gas hand grenade, time fuze. Only to be thrown in the direction of the wind or in a current of air. Cloud formed on explosion.)

On each side of the hook for attaching the grenade to the belt there was a "G" painted in blue.

The explosive charge consisted of a yellow powder of the following composition:—

Hexanitrodiphenylamine (an explosive) ... 58%

Diphenylchlorarsine ... 42%

In addition to the explosive effect, the grenade produced a gas effect similar to that of the Blue Cross shell (cf. "Gas Warfare," No. 7, Jan., 1918, page 9).