AWM4

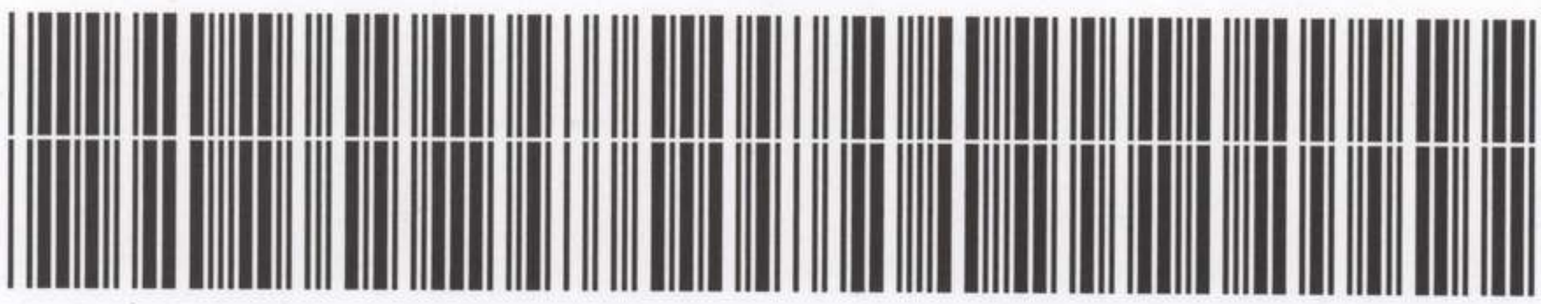
Australian Imperial Force unit war diaries, 1914-18 War

Formation Headquarters

Item number: 1/42/36 Part 10

Title: General Staff, Headquarters 1st Australian Division

January 1918



AWM4-1/42/36PART10

APPENDIX IV 371

APPENDIX. 4

SECRET. FIRST AUSTRALIAN DIVISION.

Divisional Headquarters.
1st. January 1918.

GENERAL STAFF MEMORANDUM NO. 35.

The report of the Divisional Gas Officer on casualties sustained through gas shell bombardment of DENNYS WOOD on the night of 23th Decr brings to light the fact that in calm cold weather the danger from enemy gas persists for many hours after the bombardment.

After lighting fires and clearing the gas with fans the occupants of one pillbox appear to have slept without their respirators -all were gassed.

The filling in of holes made by gas shells is more effective during calm cold weather than normally, and reduces the period during which the box respirator must be worn. All ranks will be warned of the effect of the cold weather in increasing the density of the air and causing the gas to evaporate more slowly.

After a gas shell bombardment box respirators must not be removed until there is no doubt that danger from the effect of the gas has disappeared.

J.G. Glasgow
Colonel.
General Staff.
1st Australian Division.

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APPENDIX V 372

G.S. 1498/3.

APPENDIX. 5

First Army.
Second Army.
Third Army.
~~Reinforcements~~
Fifth Army
Cavalry Corps.

.....

1. It is considered that the greatest value is not always obtained from Machine Guns during operations for the following reasons.-

(a) Commanders and Staff Officers are not always sufficient--ly cognisant of the capabilities and limitations of machine guns under modern conditions or of the tasks which should be allotted to them in battle.

(b) Divisional Machine Gun Officers and Machine Gun Company Commanders, who should act as advisers to Divisional and Brigade Commanders respectively, are sometimes ignorant of the manner in which machine guns have been employed with success in the past to support infantry attacks and to repel counter attacks, etc. They, are, ~~now~~ therefore, incapable of offering sound advice as to the tasks which should be given to the Machine Gun Coys.

2. As regards (b) the knowledge of Divisional Machine Gun Officers and Machine Gun Coy. Commanders will now be improved by the attendance of these officers at courses held at the Machine Gun Branch of the G.H.Q. Small Arms School, CAMIERS, during the next few months.

3. With regard to (a) it has been decided that every Division and every Brigade will send a representative to one of the four special courses as outlined in paragraph 6.

In the case of Divisions, the G.S.O.1. or G.S.O.2. will attend.

In the case of Brigades, the Brigadier or Brigade Major will attend.

Divisional Generals are invited to attend.

4. The projected courses will last for two clear days, ex--clusive of days of assembly and departure, and will be conducted by the Commandant, G.H.Q. Small Arms School. These courses will deal with the use of machine guns in co-operation with other arms from a General Staff point of view. Only such technical details will be included in the programme as it is thought necessary officers of General Staff should know.

Some instruction in the tactical employment of Lewis Guns will be included.

A syllabus of the projected courses is attached.

5. Officers attending should arrive at CAMIERS by 5.p.m. on date of assembly and will be accommodated at the hotel at which the students attending courses are accommodated. Messing arrangements will be made at the hotel. Officers must bring bedding.

It is regretted that accommodation cannot be provided at the hotel for G.O.Cs. Divisions. These officers should make their own arrangements at LeTOUQUET or BOULOGNE.

6. Dates of courses will be as follows-

AUSTRALIAN WAR MEMORIAL RCDIG1009646

	Assemble	Depart.
1st Course.	4th January	7th January
2nd "	5th February	8th February
3rd "	9th February	12th February
4th "	15th March	18th March.

Vacancies are allotted at the rate of one officer per Division per course vide para 3. If, owing to operations or any other reasons, the vacancy cannot be taken up, Armies will arrange for the vacancy to be allotted to another Division, and vacancy being returned subsequently.

Names will be submitted by Armies direct to the G.H.Q. Small Arms School seven days before the commencement of each course.

7. In addition to these special courses at G.H.Q. Small Arms School, it is proposed to hold a practical demonstration of the action of all the machine guns in a Division, towards the end of January. As many Commanders and General Staff Officers as possible will be invited to attend. Details as to date and place will be communicated at a later date.

(Sd) C. BONHAM CARTER B.G.

for Lieut.General, C.G.S.

G.H.Q. 17th Decr. 1917.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX 5

G.H.Q. SMALL ARMS SCHOOL.

CAMIERS.

PROPOSED SYLLABUS OF INSTRUCTION TO BE GIVEN AT SPECIAL COURSES FOR COMMANDERS AND STAFF OFFICERS OF DIVISIONS AND BRIGADES.

1. Capabilities of Machine Guns; Range; Accuracy; suitable targets; necessity for Commanders and Staff Officers to have a knowledge of the above.

2. Technical employment of Machine Guns in Attack and Defence.

3. Allotment of Machine Guns for indirect fire, and as mobile guns.

4. Preparation of Plan of Attack after Divisional conference has been held; allotment of tasks to Machine Gun Coys.

5. Trench to trench attacks; semi-open warfare and open warfare conditions.

6. Machine Guns in defence; S.O.S. lines; Harassing fire night firing; co-operation with artillery.

7. Preparations necessary after plan of attack has been decided upon; selection and preparation of Machine Gun Battery positions;. Accommodation for Machine Gun teams; Supply of S.A.A. Assistance required from Infantry and R.E.

8. Infantry carrying parties; attachment of infantry to Machine Gun Coys.

9. Communications.

10. Technical matters which staff officers should know; safety clearances; minimum safe distance that fire can be brought in front of advancing infantry; width and depth of cone of fire; number of machine guns required to produce an efficient barrage on a given front; switching of fire.

11. Practical demonstration of machine gun indirect fire; switching of fire.

12. Tactical employment of Lewis Guns.

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APPENDIX. VI

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APPENDIX 6

SECRET. FIRST AUSTRALIAN DIVISION.

Headquarters.
4-1-18.

GENERAL STAFF MEMORANDUM NO. 56.

Anti Aircraft Defence.

1. Anti Aircraft defence will be dealt with under two headings.

(a) The defence of the forward zone against low flying machines using M.G. fire and bombs against our infantry and batteries.

(b) The defence of localities in the Divisional rear area such as railheads, dumps, camps etc, against hostile bombing machines.
The locations of all guns mounted for A.A. defence are shown on Map No. 4. in the defence scheme map folio in G. Office.

2. The defence of the forward zone.

(a) The defence of the forward area will be a Brigade responsibility and the arrangements made will be included in the Brigade Defence Schemes. For this defence we must rely almost entirely upon the protection provided from Brigade resources namely Lewis and Vickers Machine guns and Stokes Mortars placed as described in the following paras.

(b) A lowflying plane makes for trenches, duckwalks, and roads or tracks and to do most damage will naturally fly up or down them. A.A. guns will therefore be sited where they can cover these places in length.

(c) The object of the E.A. in addition to inflicting loss will be to locate our front line posts and any concentration of troops. All ranks will therefore be warned to keep still and avoid looking up when a hostile plane is over for the upturned faces of the men disclose their position more surely than anything else.

(d) Two lines of guns should be established in each Brigade Sector, one within approximately 500 yards, and one about 1.000 to 1500 yards, from the front line. Where possible the guns in each line should not be more than 500 yards apart. Some of these guns should be sited as in (b) Guns so detailed will be in constant readiness for action and will invariably engage all hostile planes which come within range.

(e) Machine gun fire is effective on aeroplanes up to 3.000 feet in height and 2.000 yards range. A good general guide as to when to fire in daylight is when the black cross can be seen with the naked eye.

(f) A.A. mountings and sights will be issued on the following scale;-

Battalion	4 portable Lewis Gun mountings.
Battery.	2 portable mountings according to type of gun issued.
M.G.Coy.	4 portable Vickers Gun mountings.

Each gun will have an A.A. Sight.
All the above will be on charge to units.

(P.T.O.)

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(g) Stokes Mortars will be used when opportunity offers but not further back than 500 yards from the forward posts and only when the E.A. is flying in advance of front line. They will not be employed to fire at enemy aircraft flying behind their position on any account. Orders will be issued to ensure that they do not fire at a range which will allow any of the shells or fragments to fall in our own lines.

3. Defence of the Divisional rear area.

(a) For the defence of the Divisional rear area certain batteries of Anti aircraft artillery have been provided. They are however are not under the control of the Division.

(b) The eight Lewis guns of the 1st Pioneer Bn have been allotted for the defence of the Heavy artillery in the Divisional Sector and are sited as shown on map No. 4.

(c) The unit occupying each camp in the Divisional rear area will provide for the defence of the camp under the orders of the Brigade or unit Commander. The machine and Lewis guns so mounted will be provided with definite written orders as to their action and will only engage low flying E.A. by day or night when such aircraft clearly disclose their hostile identity.

Anti aircraft mountings will be prepared for such defences and will be regarded as area stores.

C. Finlayson.
Lieut-Colonel.
General Staff.
1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX VII 377

APPENDIX 7

67/48.

FIRST AUSTRALIAN DIVISION.

Divisional Headquarters.
6th January 1917.

1st.Aust.Inf.Bde.
2nd.Aust.Inf.Bde.
3rd.Aust.Inf.Bde.
C.R.E.1st.Aust.Div.
1st.Aust.Pioneer Bn.
1st.M.G.Coy.
A.D.M.S.
D.A.D.V.S.
Camp Cmdt.
"A.S.C."

LECTURES.

The following lectures on non-military subjects will be delivered in the ULSTER HALL at DRANOUTRE on the dates shown. These lectures are not of a controversial nature but are intended to be of value from the point of view of general interest.

It is desired that as many officers, N.C.Os and men as can be spared should attend, and it is suggested that Brigade Schools within reasonable distance might also benefit.

All addressees as shown above will please notify this H.Q. by 1600 on the 8th Inst, the numbers that will attend each lecture.

Time and Date.	Subject.	Lecturer.
10.30. a.m. 9th Inst.	The Union of Italy and the Union of Germany.	Sir Richard Lodge. (of Edinburgh)
3.p.m. 11th.Inst.	Yarns of Destroyer and Submarine warfare.	Mr. J.J. BENNETT. (Navy League)

Lieut-Colonel.
General Staff.
1st Australian Division

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APPENDIX. VIII

APPENDIX. 8

SECRET

FIRST AUSTRALIAN DIVISION

GENERAL STAFF MEMORANDUM, No. 37.

Headquarters,
Jany. 12th 1918.

1. Sufficient care does not seem to be exercised in certain cases in concealing works which are being constructed on the various defensive systems of the Forward Zone. Concealment should be obtained by constructing works of low command wherever possible. The bottom of the trench of all work should be sunk down as far as the water level permits. The height from the bottom of the trench to the crest of the parapet must be reduced as far as possible compatible with protection and defensibility. In no case should the parapet be so built up as to require that a firing step should be constructed in order to enable the gar-rison to shoot over the parapet. Where such works now exist, steps should be taken to reduce the height of the parapet. In places where the ground permits, it is an advantage to have a fir ing step, but this is only suitable in this sector in a few places where no parapet is required.

2. Concealment should also be obtained by using camouflage to the fullest extent. In some cases new parapets show a raw red appearance which is visible at a great distance. In all such cases, the parapet should be covered or partly covered with sods. In a very short time the grass from these sods will spread over the parapet and greatly facilitate concealment.

All new works should be properly camouflaged; the camou-flage material should be placed over the works from the commence-ment of the construction and should be on the ground before the digging actually commences. In demanding camouflage material, it should be specifically stated that this is to cover trenches, etc. Narrow strips of camouflage one or two feet wide are quite useless for this purpose and camouflage material will be supplied by the Camouflage Officer of a width of not less than six feet whenever it is required for camouflaging trenches and strong points.

C.A. Blamey

Colonel.
General Staff.
1st Australian Division.

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APPENDIX 9

SECRET.

FIRST AUSTRALIAN DIVISION.

Divisional Headquarters,
12th January, 1918.

GENERAL STAFF MEMORANDUM NO. 58.

1. Commencing at midday January 15th the S.O.S. Signal throughout the Army will be a rifle grenade signal bursting into coloured stars Red over Green over Yellow.

2. These will be delivered by 1800 on 14th inst., to the 1st and 3rd Aus.Inf.Brigades at the rate of 18 per Battalion in the line, from this number Brigade reserves will be found.
20 of these signals will also be issued to the C.R.A. for distribution.
Further supplies will be issued on demand to replace wastage.

3. A sufficient number of the present S.O.S. Signals, i,e, a rifle grenade bursting into two white and two red stars simultaneously, will be retained for use in place of the signal provided for in this office memo. S/7032 of the 27th December, para 3.
The remainder of these flares will be collected and retained at battalion headquarters until further orders.

4. ACKNOWLEDGE.

Lieut-Colonel.
General Staff.
1st Australian Division.

APPENDIX. X.

APPENDIX. 10

SECRET.

FIRST AUSTRALIAN DIVISION.

Divisional Headquarters,
13th January, 1918.

FIRST AUSTRALIAN DIVISIONAL ORDER NO. 59.

Reference map. WYTSCHAETE 1/10,000

1. (a) The 2nd Aus. Inf. Bde. will relieve two battalions of the 1st Aus. Inf. Bde. and two battalions of the 3rd Aus. Inf. Bde. in the line in accordance with the attached Relief Table.

(b) On completion of relief the command of the four right battalion sectors of the Divisional front will pass to the G.O.C. 2nd Aus. Inf. Bde. The two left battalion sectors will remain under the command of the G.O.C. 1st Aus. Inf. Bde.

2. Advanced parties of the 2nd Aus. Inf. Bde. will be sent into all advanced posts and will take part in all patrols the night before the relief takes place. They will remain in and rejoin their unit when it arrives.

3. No movement of troops forward of the MESSINES-WYTSCHAETE ridge will take place before 4-45 p.m.

4. (a) All maps, photographs, defence schemes, plans of work and documents of value to the incoming troops will be handed over.

(b) Area and Trench stores will be handed over and receipts obtained on pro forma sent to all concerned. One copy will be sent to "Q" Office.

(c) Transport lines of units will not change.

5. (a) A certificate will be furnished through Brigade H.Q. from each battalion when the relief is complete that Defence Schemes have been taken over, battalions properly detailed to defences, and orders for action in accordance with the respective Schemes have been promulgated to all concerned.

(b) Company Commanders sketches will be forwarded to Divisional Headquarters by 6 p.m. on January 18th.

6. Instructions for the relief of the M.G. Companies will be issued separately.

7. Relief of Brigade Mining Companies will be arranged between Brigades to be completed before 9 a.m. on 17th.

8. Details of relief not provided for in this order, times, routes, etc., will be arranged direct between Brigadiers concerned.

9. Completion of relief will be notified by wire to this office.

ACKNOWLEDGE.

J.J. Blamey
Colonel.
General Staff.
1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX 10.

Distribution.

No.	Issued to.
1 to 4	D.H.Q.
5 to 7	War Diary.
8	1st Aus.Inf.Bde.
9	2nd Aus.Inf.Bde.
10	3rd Aus.Inf.Bde.
11	C.R.A.1st Aus.Div.
12	C.R.E.1st Aus.Div.
13	1st Aus.Div.Sig.Coy.
14	D.M.G.O.
15	S.S.O.
16	1st Aus.Div.Train.
17	A.D.M.S.
18	D.A.D.O.S.
19	A.P.M.
20.	Aust.Corps.
21	2nd Aus.Div.
22	4th Aus.Div.
23	5th Aus.Div.
24	177th Coy. R.E.
25	C.R.E.Corps Troops.
26	Area Comdt.K.M.L.
27	" " Red Chateau Area.
28	" " WULVERGHEM.
29	File.
30 - 31	Spares.

Issued at 4-30 p.m.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

RELIEF TABLE ISSUED WITH 1st AUS.DIV.ORDER NO. 59.

1. Serial No.	2. Date.	3 Relieving Unit.	4 From.	5 To.	6 Unit relieved.	7 On relief to move to.	8 Remarks.
1.	15/16th Jany.	6th Aus.Btn.	SCOTTS FARM.	Line.Right Centre Left Bde.	3rd Aus.Btn.	ONRAET WOOD & WYTSCHAETE.	
2.	15/16th Jany.	5th Aus.Btn.	RAMILLES CAMP.	Line Right Sector Left Bde.	4th Aus.Btn.	SCOTTS FARM & WYTSCHAETE.	
3.	15/16th Jany.	7th Aus.Btn.	IRISH HOUSE.	Line. Left Sector Right Bde.	11th Aus.Btn.	RAMILLES CAMP.	
4.	16th Jany.	10th Aus.Btn.	WULVERGHEM.	IRISH HOUSE.	---	----	WULVERGHEM Camp to be vacant by 11 a.m.
5.	16th Jany.	8th Aus.Btn.	ROSSIGNOL CAMP.	WULVERGHEM.	10th Aus.Btn.	---	Not to arrive before 11 a.m.
6.	16/17th Jany.	8th Aus.Btn.	WULVERGHEM.	Line Right Sector Right Bde.	12th Aus.Btn.	WULVERGHEM.	

APPENDIX 10

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APPENDIX XI.

APPENDIX 11

COPY NO.....

Headquarters.
14th January 1918.

FIRST AUSTRALIAN DIVISION.

MACHINE GUN INSTRUCTIONS.

Issued under Divisional Order. No. 59.

1. The machine guns covering the Divisional front will be distributed on the following lines.

(a) In each half of the Divisional sector one company will be employed as direct fire guns distributed in depth.

(b) One Company will be employed in batteries as barrage guns. in each half of the Divisional Sector.
The dividing line between companies employed in each capacity will be the WALBEEK.

2. The company employed in direct fire will be relieved at regular intervals by the company in the same half of the Divisional sector employed on barrage fire.

3. In order to bring this about the following programme of moves and reliefs will be carried out.

(i) On the night 16/17th January 2nd M.G.Coy will relieve all direct fire guns between the R. LOUVE and the WALBEEK. except the gun at Sq. O.35.C.65.60. This gun will be withdrawn on the same night.

(ii) B Battery 3rd.M.G.Coy at Sq. U.5.A.45.60. will not be relieved and will come under the tactical control of O.C. 2nd. M.G.Coy. until the redistribution is complete.

(iii) The guns of 1st.M.G.Coy relieved by 2nd.M.G.Coy will return to La POLKA N.21.D.8.8.

(iv) No. 13 gun of 1st.M.G.Coy at Sq. O.23.C.9.9. will be withdrawn to Rear Headquarters at La POLKA.
O.C. 21st.M.G.Coy will assume tactical control of the machine guns of 1st.M.G.Coy. remaining in the Forward zone until the 21st.M.G.Coy. is relieved by 1st.M.G.Coy.

(v). On the night 18/19th January 1st.M.G.Coy will relieve 21st M.G.Coy. except No. 22 gun at Sq. O.11.A.55.05. which will be withdrawn from the line.

4. The 3rd.M.G.Coy. will be distributed so as to provide barrage batteries in the right half of the Divisional Sector and the 21st.M.G.Coy. will be distributed to provide similar batteries in the left half.
The general line of these battery positions will be the Reserve System of the Forward Zone.
Reconnaissances will be made forthwith to select the battery positions in order that all positions may be occupied on the conclusion of the reliefs detailed above.

5. Present rear Headquarters of each Company will be maintained.

6. Anti-aircraft defence of the back portion of the Divisional area will be carried out by Lewis Guns detailed by G.O.C. Reserve Brigade. A proportion of the Relieving personnel of 3rd.Brigade will be attached to each gun now detailed by 2nd. Brigade for 12 hours prior to the relief. 3rd Brigade will detail two Lewis Guns to relieve two Vickers Guns of 2nd.M.G. Coy. at Sq. N.28.B.95.85. on 15th January.

William

Colonel.
General Staff.
1st.Australian Divi

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX.

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Distribution.

1 to 4 D.H.Q.
5 to 7 War Diary.
8 1st.Aust.Inf.Bde.
9 2nd.Aust.Inf.Bde.
10 3rd.Aust.Inf.Bde.
11 21st.M.G.Coy.
12 D.M.S.
13 C.R.E.
14 15 Aust.Corps.
16 File.
17 20 Spares.

Issued at. 6.30. P.M.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX.XII.

KR. 159/224.

FIRST AUSTRALIAN DIVISION.

Divisional Headquartors,
15th January, 1918.

APPENDIX 12

1st Aus.Inf.Bdo.
2nd Aus.Inf.Bdo.
3rd Aus.Inf.Bdo.
C.R.A.1st Aus.Div.
1st Aus.Div.Sig.Coy.
21st A.M.G.Coy.

Brigade Signal Classes. Beginners Courses.

1. A class for the training of reserves for regimental Signallers will be carried out by each Infantry Brigade and the Divisional Artillery. Those classes will be under the supervision of the Signal Section officer assisted by the Assistant Section Officer and such N.C.O. instructors as Brigadiers consider necessary. A syllabus for this course is attached hereto.

2. The object of the classes will be to bring those attending up to the standard required to pass for entrance to Corps and Army Signal Schools which is given below.

To read a classification message:

(i) (a) On the buzzer at 8 words a minute.
(b) On the flag at 8 words a minute.
(c) On the lamp at 6 words a minute.

(ii) To read a half message on the disc at 4 words a minute.

(iii) To show a sound knowlodge of map reading.

(iv) To be able to ride a bicycle.

The percentage required in the reading tests above is 95% on the aggregate and not less than 93% in each case.

3. The following will be minimum numbers to attend Brigade Schools.

1 Officer per Battn. and two O.Rs per Coy, including the M.G.Coy.

Div.Arty.School.
3 Officers from the Divisional Artillery and 2 O.Rs per battery.

The 1st Aus.Pioneer Bn. will be attached to the 1st Aus.Inf. Bde.School and will detail 1 Officer and 4 O.Rs to attend.

The 21st Aus.M.G.Coy. will be attached to the 2nd Aus.Inf.Bde. School and will detail 2 O.Rs to attend.

4. At the conclusion of each course the officers attending should be attached for a period to the Brigade Signal Section for further training and to get a more thorough practical knowledge of Signal Service work generally.

5. These classes will be put in hand with as little delay as possible and a report on the results obtained will be furnished to D.H.Q. at the conclusion of each course.

Lt-Col.G. .
1st Australian Divis on.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX 135

SECRET. FIRST AUSTRALIAN DIVISION. S/7831.

MACHINE GUN INSTRUCTIONS.

Headquarters.
16th January 1918.

In continuation of the Machine Gun Instructions issued under Divisional Order. No. 59. dated 14-1-18. The following dispositions will be completed by the 20th Inst.

Right Machine Gun Sector.

(1) 3rd.Aust.M.G.Coy.H.Qrs will remain at U.3.A.15.10.
(2) The four gun battery now at U.4.A.45.30. will be increased to 6 gun battery.
(3) A four gun battery will be established at approximately 0.33.D.10.50.
(4) The four gun battery now established at U.3.A.15.10. will remain until accommodation at 0.27.B.25.05. has been arranged, when it will be removed to a battery position in that vicinity.
(5) 2nd.Aust.M.G.Coy H.Qrs will be established in MESSINES until arrangements can be made for its accommodation at DESPAGNE FME. 0.33.B.5.9. when it will move to that locality.

Left Machine Gun Sector.

(1) 1st.Aust.M.G.Coy.H.Qrs will be located at DUNYS. FME. 0.15.B.30.65.
(2) DELBSKE FME at 0.10.B.00.35. will be held by 21st.A.M.G. Coy as accommodation for a 6 gun battery which will be located at 0.10.B.50.25.
Gun N.F.E.2. located at 0.10.B.50.20. will be withdrawn when this battery is established.
(3) No. 18. gun at 0.16.C.6.9. will be withdrawn and accommodation handed over to 21st.A.M.G.Coy for a 4 gun battery position to be located at 0.16.A.4.1.
(4) Accommodation will be provided in MAHIEU FM. 0.21.D.3.9. for a 4 gun battery of the 21st.A.M.G.COy to be located at 0.21.B.55.15.
(5) 21st.A.M.G.Coy H.Qrs will be established at LEO COPSE 0.20.B.6.5.
(6) The section and battery commanders covering the area between the Wambeek and the inter-brigade Boundary (Plum Farm - Oosttaverne - Estaminet Corner) will maintain a close liaison with the infantry battalion commander of that area.
On each battery position two sentries will be maintained day and night.
Reserves of S.A.A. at battery positions will be brought up to 10.000 rounds per gun.
All gun positions and new works will be completely camouflaged. All harassing fire will be carried out by direct fire guns.
Personnel of 8 gun batteries will be a minimum of 2. Off. 2 runners including batman. 1 Sgt. 2 L/Cpls and 18 men.
Personnel of 4 gun batteries will be a minimum of 1 Off. 2 runners. 1 Sgt or Cpl. 1 L/Cpl and 12 men.
Personnel not employed within the defensive position will be undergoing training at rear headquarters.
Os'C Companies will make arrangements whereby all gunners have an equal a share as possible of duty at the gun positions and in the back area.
Reinforcing guns. Two guns per Coy will be used at Rear Headquarters for training purposes.
The two extra guns of the companies providing battery fire will in the event of a general alarm reinforce the 8 gun battery. Positions will be prepared accordingly. The extra guns of companies in the line will be held as reserve guns.

[signature]
Colonel.
General Staff.
1st.Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX. 13.

(8)

Distribution.

1 - 4 D.H.Q.
5 - 7 War Diary.
8.1st.Aust.Inf.Bde.
9 2nd.Aust.Inf.Bde.
10 3rd.Aust.Inf.Bde.
11 21st.M.G.Coy.
12 D.M.G.O.
13 -14 Aust.Corps.
15 File.
16 -18 Spares.
19 C.R.E.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

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FIRST AUSTRALIAN DIVISION.

APPENDIX. XIV.

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169/222.

Divisional Headquarters.
16th January 1918.

APPENDIX. 14

1st.Aust.Inf.Bde.
2nd.Aust.Inf.Bde.
3rd.Aust.Inf.Bde.
C.R.A.1st.Aust.Div.
C.R.E.1st.Aust.Div.
A.D.M.S.
1st.Aust.Pioneer Bn.
1st.Aust.Div.Sig.Coy.
1st.Aust.Div.Train.
Camp.Commandant. D.H.Q.

Capt. D.B. TURNER Intelligence Corps. is attached to G.H.Q. for the purpose of giving lectures to the troops and to Schools.

On the 19th Inst he will deliver his lecture on"Money"at the ~~xxkxxx~~ ULSTER HALL DRANOUTRE at 10.30.a.m. and at the School KEMMEL at 2.30.p.m.

It is desired that as many Officers and Other Ranks as can be spared will attend and it is suggested that Brigade Schools might also benefit.

All addresses shewn above will notify this Office by 1800 on the 18th Inst of the numbers that will attend each lecture.

(sgd) S.L. MILLIGAN.
Lieut-Colonel.
General Staff.
1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX.XV.

APPENDIX 15

Copy No. 5...

SECRET

FIRST AUSTRALIAN DIVISIONAL ORDER No.60.

Divisional Headquarters
21st Jany. 1918.

Reference Map. WYTSCHAETE 1/10,000.

1. The 3rd Aus.Inf.Brigade (less M.G.Coy.) will relieve the 2nd Aus.Inf.Brigade (less M.G.Coy.) in the right brigade area of the Divisional sector on the night 23rd/24th January. Command will pass on conclusion of the relief and Divisional Headquarters will be in-formed by signal message by the Brigade taking over.

2. Advanced parties of units of 3rd Aus.Inf.Brigade which are taking over areas not previously held by such units will be sent into all advanced posts and will take part in all patrols the night before the relief takes place. They will remain in and rejoin the unit when it arrives.

3. No movement of troops forward of the MESSINES-WYTSCHAETE Ridge will take place before 4.45.p.m. Should the day of 23rd January prove foggy, the G.O.C. 3rd Aus.Inf.Brigade will exercise his discretion as to the hour at which troops may cross the ridge.

4. (a) All maps, photographs, defence schemes, plans of work and documents of value to the incoming troops will be handed over.

(b) Area and trench stores will be handed over and receipts obtained on pro forma sent to all concerned. One copy will be sent to "Q" office.

(c) Transport lines of units will not change.

5. (a) A certificate will be furnished through Brigade H.Q. from each Battalion when the relief is complete that Defence Schemes have been handed over, battalions properly detailed to defences, and orders for action in accordance with the respective Schemes have been promul-gated to all concerned.

(b) Company Commanders' sketches will be forwarded to Divisional Headquarters by 9.a.m. on Jany. 25th.

6. On relief the 2nd Aus.Inf.Brigade will take over the quarters of, and duties now being carried out by, the 3rd Aus.Inf.Brigade. Advanced parties will be detailed by arrangement with 3rd Aus.Inf.Brigade to ensure that there is no break in the continuity of work.

8. Details of relief not provided for in this order, times, routes etc. will be arranged direct between Brigadiers concerned.

ACKNOWLEDGE.

J.A.Blamey

Colonel. G.S.
1st Australian Division.

Distribution.

1 - 4	D.H.Q.	18	D.A.D.O.S.
5 - 7	War Diary.	19	A.P.M.
8	1st A.I.Bde.	20	Aust.Corps.
9	2nd do.	21	2nd Aus.Div.
10	3rd do.	22	4th Aus.Div.
11	C.R.A.	23	177th Coy.R.E.
12	C.R.E.	24	C.R.E.Corps Troops
13	Div.Sig.Coy.	25	Area Cdt. KEMMEL.
14	D.M.G.O.	26	" " RED CHATEAU.
15	S.S.O.	27	" " WULVERGHEM.
16	Div.Train.	28	File 30-31 Spares.
17	A.D.M.S.		

Issued at 7.a.m.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX. XVI

GENERAL STAFF
S/7263
Date 21/1/18
1ST. AUST. DIVISION

APPENDIX. 16

SECRET.

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

****

"B" DIVISIONAL ARTILLERY.

(AUST. CORPS.)

AUSTRALIAN WAR MEMORIAL RCDIG1009646

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APPENDIX. 16

Copy No. 22

SECRET.

"B" DIVISIONAL ARTILLERY DEFENCE SCHEME.
(AUST. CORPS.)

29/1/1918.

1. AMENDMENT NO.2.
Amendment to Appendix No. 4. page 17 "B" Divisional Artillery Defence Scheme.

6" Newton Mortar at O.35.C.15.10. now moved to position at U.5.A.30.80.
S.O.S. point remains on KIWI FARM O.36.C.50.50.

2. ADDENDUM NO.2.
Addendum to Appendix No. 4. page 17.

HOLLEBEKE SECTOR.
S.O.S. for H.T.M. at O.16.D.75.60. is WHIZ FARM O.17.D.65.75.

OOSTTAVERNE SECTOR.
Add - 1.9.45" H.T.M. at O.22.D.27.87. S.O.S. BEEK FARM (O.29.B.10.95.)

3. Acknowledge.

Captain.
a/Bde. Major. 1st Aust.Div.Art.

Issued to all recipients of Defence Scheme.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

1 ✓

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APPENDIX. 16

Copy No. 23

"B"

DIVISIONAL ARTILLERY.

(Australian Corps.)

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

INDEX.

Corps Front Sectors.	page.1.	Composition, Organization & Tactical Control of Heavy & Medium T.M.Btys.	5,6.
Organization " Infantry " Artillery)	1.	Heavy Artillery	7.
Liaison.	2.	Co-operation with R.F.C.	7.
Artillery Policy.	2.	Balloons.	7.
Counter Preparation.	3.	Protection against low flying E.A.	7.
Counter Battery.	3.	Anti Tank Positions.	8.
S.O.S.	3.	Gas.	9.
S.O.S. Relays.	3.	Ammunition Supply.	10.
Liaison Barrage.	4.	Appendices:-	
Longthen Barrage Signal	4.	I. S.O.S.	11,12.
Second Zone Positions.	4.	II. Liaison Barrages	13,14.
Reinforcement.	4.	III. Ammunition.	15,16.
Workshops.	4.	IV. Trench Mortars.	17.

Acknowledge on form attached.

Captain.

"B" Div.Art.H.Q.
21-1-18.

a/Bde. Major. 1st Aust.Div.Art.

Issued to:-

MESSINES GROUP.	Copy 1-5.	"A" Div. Artillery.	24.
OOSTTAVERNE "	6-10.	"C" " "	25.
HOLLEBEKE "	11-15.	H.A.Aust. Corps.	26.
1st Aust. Inf. Bde.	16.	D.T.M.O. "B" Division.	27.
2nd " " "	17.	"B" Div.Art. (for handing over)	28.
3rd " " "	18.	War Diary.	29,31.
R.A. Aust. Corps.	19.	Spare.	32-35.
"B" Division.	20.		
1st Aust. Div.	21-23.		

Defence Scheme should be handed over on relief.

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APPENDIX. 16

"B" DIVISIONAL ARTILLERY.
(Australian Corps)

DEFENCE SCHEME.

REFERENCE MAP.

Sheet Belgium 26 SW and SE parts of } 1/20.000
Belgium 27 SE }

CORPS FRONT SECTORS.

The Australian Corps front is divided into 3 Divisional Sectors, and from right to left these Sectors are designated A, B, C, Divisional Sectors.

The boundaries of B Sector are :-

South. From U.11.B.35.30. westwards along River DOUVE to T.3.A.45.40. - T.2.C.50.45. - T.1.C.00.25.

North. Look No 5 O.12.B.10.45. along HOLLEBEKE Road exclusive to O.10.B.55.52. - O.4.C.40.41.- O.9.B.61.95.- O.3.D.40.08. - O.9.A.88.97.- O.3.C.37.32.- O.3.C.30.22.- O.2.D.63.57. - O.2.C.95.72. - O.2.A.72.00. - O.1. central- VIERSTRAAT - N.16.B.90.30. - N.14.C.80.40.- N.13.C.20.70.

West. T.1.C.00.25. - T.1.A.15.30. - M.30. D. 01.00.- M.30.B.70.00. -M.24.D.55.65. - M.24.A.85.30. - N.13.C.20.70.

ORGANISATION:

The Sector is organised for defence in depth into :-

Forward Zone.
Second Zone.
Third Zone.

and each zone is organised in three systems :-

Firing line system.
Support.
Reserve.

as per maps and diagrams issued from time to time.

INFANTRY.

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

FIELD ARTILLERY.

The front is covered by three Field Artillery Brigades organised in three Groups

MESSINES
OOSTTAVERNE
HOLLEBEKE

AUSTRALIAN WAR MEMORIAL RCDIG1009646

of which MESSINES and OOSTTAVERNE cover the RIGHT Infantry Brigade, and HOLLEBEKE covers the LEFT Infantry Brigade.

The Group Zones are divided as follows:-

(a) Between MESSINES and OOSTTAVERNE.
From 0.29.C.40.OC. along PLAUWEPOORTBEEK to 0.33.B.60.70. thence to road 0.32.B.15.45.

(b) Between OOSTTAVERNE and HOLLEBEKE
From 0.23.B.00 40. to 0.23.A.25.45. to 0.23.A.16.60. west along road through cross roads in OOSTTAVERNE to 0.20.B.45.90.

LIAISON. Messines Group Headquarters is at Right Infantry Brigade Headquarters.

Oosttaverne Group Headquarters is at Left Infantry Brigade Headquarters, and carries out Liaison duties for HOLLEBEKE Group.

Liaison Officers are found -

To Infantry.	By Artillery.
Rt. Bde. H.Q.	MESSINES GROUP. H.Q.
Rt. Bde. Rt. Bn.	" "
Rt. Bde. Rt. Centre.Bn.	" "
Rt. Bde. Lt. Centre. Bn.	OOSTTAVERNE GROUP.
Rt. Bde. Left. Bn.	" "
Left Bde. Rt. Bn.	HOLLEBEKE GROUP.
Left Bde. Loft Bn.	" "

An Artillery Officer is at each Battalion Headquarters in the line during the hours of darkness.

He has a direct telephone line to his Group Headquarters, and is provided with the necessary runners and signallers and equipment by his Group.

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

Battery Officers will visit the front zone not less than once a week.

At the request of the Infantry an Artillery officer will always go forward to front zone in order that points of interest may be pointed out on the ground.

ARTILLERY POLICY. B Sector is being prepared for defence, and Field Artillery should be so disposed in depth as to be able to defend the second zone with as little movement of Batteries as possible.

Batteries and individual guns in Batteries must be so sighted as to reduce dead ground on the Eastern slopes of the MESSINES-WYTSCHAETE Ridge to a minimum, while forward zone Batteries are still able to keep the terrain as far East as North and South grid running through BAS WARNETON - HOUTHEM ,- KORTEWILDE under effective T.S. fire.

In the present circumstances the general policy of F.A.Group Commanders, is to study every available source of information, and in close liaison with the Infantry they are covering, to organise counter Battery, counter T.M., and counter M.G. work, destructive series, and harassing and isolating fire, and to sieze all fleeting opportunities, remembering that nothing is to interfere with measures taken to guard against a surprise attack by the enemy.

The activity of F.A. is indicated by the allotmon of ammunition from time to time, but in general

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(15/1/18) terms it is desired for a period to draw as little hostile fire as possible.

COUNTER PREPARATION. Counter preparation is the destruction and obstruction of the enemy's preparation for attack.

Counter preparation schemes will be prepared and put into operation, when there are indications of increased enemy activity, suggesting preparation for attack.

The schemes will consist of destructive bombardments, counter battery work, isolation and harassing fire by all natures of Artillery, working from information collected from every source.

The daily tasks carried out by Divisional Artillery holding the line, do not embrace counter preparation until so ordered.

Counter preparation is not to be confounded with retaliation.

Counter preparation does not necessarily imply the loss of initiative - retaliation implies this and nothing else, and as such must cease altogether.

COUNTER BATTERY. The best retaliation is Counter Battery work, which may be divided into the destruction and neutralization of hostile Batteries by our heavy artillery, assisted by our field artillery, and the destruction and neutralization of hostile trench mortars and machine guns, by our Field Artillery and trench mortars, assisted by heavy artillery for special tasks.

Therefore every effort must be made by artillery to report hostile shelling at once, and for this purpose Group Commanders deal direct with C.B.S.O., and then report their action to Divisional Artillery Headquarters.

The information required by counter Batteries should be too well known to require repetition here, but it is the duty of all artillery Officers to assist the Infantry in giving the correct type of information to Counter Batteries.

Everyone must be made to understand that to instantly report hostile shelling however slight, is the best assistance that can be given to "Counter Batteries" who will always welcome every such report.

S.O.S. Each Battery is allotted to the defence of a specified portion of the front, and when not engaged on any other operation will keep their guns laid and loaded on S.O.S. line.

S.O.S. line and orders are detailed in Appendix 1.

S.O.S. RELAYS. Each Group maintains one or more S.O.S. repeating stations, so sited as to ensure S O.S. signal being passed back to Batteries under any weather conditions. Locations detailed in Appendix 1.

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APPENDIX 16

LIAISON BARRAGE. Inter-Group and inter-Divisional liaison barrages are detailed in Appendix II.

The artillery Group Commander who calls for liaison barrage fire, is responsible for the tactical control of all Batteries assisting him.

The remaining guns in a Group which has been called upon to give assistance are responsible for covering the whole Group front.

LENGTHEN BARRAGE SIGNAL. The Artillery Liaison Officer at Battalion Headquarters, is the only Officer authorised to use this signal.

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

SECOND ZONE POSITIONS. Positions have been selected and allotted to each Battery for covering both Second and Third Zones and are detailed in Appendix Z.*

All Officers and N.C.Os of the Divisional Artillery are to be familiar with these positions, and their approaches and allotted O.Ps.

REINFORCEMENT. Is dealt with in the Supplement issued with this Defence Scheme.

WORKSHOPS. No 23 Ordnance Light Mobile Workshops are at NEUVE EGLISE.

* NOTE. This refers to Appendix Z of supplement issued on 17/1/18.

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COMPOSITION, ORGANISATION and TACTICAL CONTROL OF HEAVY & MEDIUM T.M.BTYS.

1. COMPOSITION.

The Trench Mortar Batteries of B. Div. Artillery consist of:-

(a) Three medium T.M. Batteries, each of 4 L.T.M. (2"). At present there are 4 extra (6" Newton) on charge from Corps, no extra personnel being provided for them.

Two of these M.T.M. Batteries are in the line, and one in reserve. This allows reliefs to be carried out.

(b) One Heavy T.M. Battery with 8 mortars on charge, 7 of which are Mk.1. and the remaining mortar Mk.II. Long.

The T.M. Batteries in the line are under the control of the Artillery Group Commander in the various Sectors, supervised by the D.T.M.O. who arranges ration and ammunition supply, and the reliefs of personnel.

2. TRENCH MORTAR POSITIONS. (see also Appendix 4)

(a) MESSINES SECTOR.
Two 6" Newton Mortars.
Two Medium Trench Mortars.

(b) OOSTTAVERNE SECTOR.
One 6" Newton Mortar.

(c) HOLLEBEKE SECTOR.
One 6" Newton. Two 9.45" H.T.M.

3. The Divisional front on the whole, is on a long forward slope, and affords very few instances of natural cover for the emplacement of Trench Mortars, and except on the Right Sector, it is only by making use of the extreme range of the 6" Newton and 9.45" H.T.M. that the enemy's front can be engaged.

4. AMMUNITION.
MESSINES SECTOR. Ammunition is delivered by light railway to MIETTE Siding (U.7.A.70.60)., from there by carrying parties arranged for with Infantry by D.T.M.O.
OOSTTAVERNE SECTOR. Ammunition is delivered to OOSTTAVERNE Sector by wagons, thence packed on mules to within 200 yards of mortar.
HOLLEBEKE SECTOR. For 6" Newton O.11.C.05.55.)
9.45" H.T.M. O.10.D.65.35)
ammunition is delivered to CLARK DUMP O.15.A.35.15., by wagon, thence by trolley to within 200 yards of the mortars.

For 9.45" H.T.M. O.16.D.60.10.
ammunition is delivered by wagons to within 250 yards of the position.

5. AMMUNITION SUPPLY.
Ammunition goes forward by broad gauge railway to LA POLKA, and from there by light railway to sidings as ordered.

6. HEADQUARTERS.

D.T.M.O. at PARMA DUMP	N.12.C.40.15.
1- Bty. at " "	do
1- Bty. at TUNNEL CAMP.	T.5.D.8.4.
1- Bty. at T.M. Reserve Camp.	S.5.D.7.7.

For location of Mortars and Dumps see Appendix No. 4.

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APPENDIX 16

7. The Officer Commanding a Field Artillery Group has tactical control of T.Ms. in his Group Sector.

D.T.M.O. acts as adviser to Group Commanders and Infantry Commanders.

The selection of T.M. positions and the disposition of Mortars, will be arranged by D.T.M.O. under instructions from Div. Artillery Headquarters.

Os.C. Groups will arrange direct with D.T.M.O. for any destructive series by T.M. that they require to be carried out, and will decide whether covering fire is, or is not, to be given.

Infantry will apply to D.T.M.O. or Group Commander for any T.M. action they require.

Notwithstanding the above, Os.C. T.M.Batteries are empowered to carry out "small" tasks at the request of a Battalion Commander, without reference to D.T.M.O. or Group Commander.

No series will ever be fired without due warning having been given to Infantry.

Every series is to have a definite object, such as the destruction of enemy's works or material, wire cutting or counter T.M., or counter M.G. fire.

Counter fire may be either a destructive or neutralazing series.

Each T.M. emplaced will be allotted S.O.S. points by D.T.M.O. under instructions from Div. Art. H.Q.

S.O.S. points are detailed in Appendix 4.

50 rounds of ammunition per medium mortar or 6" Stokes, will be maintained at each Mortar position for S.O.S.

D.T.M.O. and all T.M. Officers will keep the closest touch with Infantry Brigadiers, Battalion and Company Commanders, and will endeavour in every way to carry out their wishes.

All T.M. Officers should frequently visit Battalion Intelligence Officers.

When the supply of ammunition necessitates the provision of larger carrying parties than T.M.s can themselves supply, D.T.M.O. will apply direct to H.Q. of Infantry Brigade in that Sector.

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APPENDIX. 16

HEAVY ARTILLERY. — Heavy Artillery Aust. Corps. with H.Q. at WESTHOF FARM T.19.A.40.15. cover B.Divisional Sector.

The composition of Heavy Artillery, Aust. Corps is given in H.A. Location Reports, issued from time to time.

The bombardment Group, with which B. Division is affiliated is the 51st H.A.Bde. with H.Q. at N.20.D.20.50.

This Brigade normally carries out bombardments requested by G.O.C. B. Divisional Sector.

Co-operation with H.A. is through B.Divisional Artillery H.Q. except in the case of Counter Battery work. (See Counter Battery page..3..).

Co-OPERATION WITH ROYAL FLYING CORPS. The following squares are allotted to Groups for N.F. calls.

HOLLEBEKE GROUP	- P.7.13.
OOSTTAVERNE GROUP	- P.19.25.
MESSINES GROUP	- P.21.V.1.V.7.

The 69th Squadron, Australian Flying Corps, carries out all aeroplane work on the front of the "B" 5th Australian Divisional Sector.

Headquarters of the 69th Squadron, A.F.C. are at BAILLEUL.

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

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

BALLOONS. No 32 Kite Balloon Section of No 6 Balloon Company (B.21.A.9.6.) works in conjunction with the front at present covered by this Divisional Artillery. No 32 Kite baloon Section is at Sheet 36. B.3.A.6.7.

This K.B.S. will always register any targets required. Groups send into Divisional Artillery Headquarters, targets which they require registering, and D.A.H.Q. make necessary arrangements with No. 32 K.B.S.

PROTECTION AGAINST LOW FLYING E.A.

Lewis guns are mounted at :-

U.7.C.8.3.	(1)
U.7.D.0-7.	(1)
U.1.A.7.9.	(2)
O.19.B.25.30.	(2)
O.14.B.15.71.	(1)
O.25.B.70.40.	(1)

Personnel for these guns are found by B Divisional Pioneer Battalion.

In addition to action against E.A. one half of these guns are so sited as to be able to bring fire to bear on the wire entanglements protecting Battery positions. The other half will be withdrawn for action with their own Units in event of serious attack.

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APPENDIX 16

Page 8

ANTI-TANK POSITIONS.1- In order to deal with possible hostile tank attacks, positions have been reconnoitred for ANTI TANK GUNS to protect the B Divisional Front.

2. There are two emplacements in each Group Sector for this work, suitably sited to cover dead ground on adjacent Group Sectors, and having range boards erected every 100 yards after 500 yards. Positions are well forward, so that all laying is by open sights.

3. In each Group one 18 pdr gun is told off as an ANTI TANK GUN, and one Officer is also detailed, who, in case of necessity, will take comand of this gun and take it into action, from its present position.

These Officers are fully acquainted with the routes to the ANTI-TANK GUN positions themselves, and have a thorough knowledge of the country over which hostile tanks may advance.

4. Each Group also keeps one limber with a six-horse team and drivers, one N.C.O. with a horse and one Officer's horse, in close proximity to the Group Headquarters, to be used for the anti-tank GUN should occasion arise.

5. Positions are allotted as follows:-

		Location.	Normal Arc.	Remarks.
MESSINES GROUP.	1.	U.4.A.1.4.	70o-125o	(Dead ground
GROUP.	2.	0.33.D.central.	75o-130o.	(in U.5.C. & D
				(& U.C.A.&.C.
OOSTTAVERNE "	3.	0.32.D.95.55.	70o-120o.	
	4.	0.28.A.05.15.	40o-100o.	
HOLLEBEKE "	5.	0.10.C.8.2.	45o-110o.	(Dead ground
	6.	0.15.D.8.5.	65o-130o.	(in 0.17.D.

6. Orders for the advance of guns to ANTI-TANK positions will be issued by Group Commanders direct, who will immediately notify the C.R.A. of action taken.

7. 100 rounds A.X. delay are in each gun position.

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APPENDIX 16

GAS. 1. NORMAL PRECAUTIONS.

S.S. 193 "STANDING ORDERS for DEFENCE against GAS" have been issued to all concerned. 1st ANZAC Corps General Staff Circular No. 101 and 109 have also been issued.

2. WARNING OF APPROACH OF CLOUD GAS.

On an alarm of cloud gas being given in the front line system, the alarm signal will be sounded at all battery positions, etc., and will be continued for three minutes unless discontinuance is ordered by an Officer.

In addition, the alarm will be passed by telephone. These messages will take priority, and will be sent in the following manner:-

GAS MESSINES OOSTTAVERNE HOLLEBEKE ETC.(Time)(From whom).

If alarm is heard, and gas is not on the immediate front :-

GAS ALARM from (name and direction from which heard) (from).

3. ARTILLERY ACTION.

Should the cloud gas be unaccompanied by an Infantry attack no "S.O.S." Signal will be sent, but one of the following messages:-

GAS HOLLEBEKE RIGHT.
GAS HOLLEBEKE LEFT.
GAS OOSTTAVERNE RIGHT.
GAS OOSTTAVERNE LEFT.
GAS MESSINES RIGHT.
GAS MESSINES LEFT.

All Howitzers and Trench Mortars will fire on the enemy's trenches from where the gas is being discharged.

A light barrage of Field Guns will be put down in front of our posts, to prevent hostile patrols from following up the gas.

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

The enemy's trenches on the flanks of the gas discharge will be kept under fire, and dead ground near the hostile front line, will be shelled by bursts of fire from 18 pdrs.

4. GAS SHELL BOMBARDMENT.

Gas rattles will be used in case of a gas shell bombardment as distinct from strombos horns for gas cloud attack.

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APPENDIX 16

AMMUNITION SUPPLY.

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

1. For the purposes of ammunition supply the Sector is divided into two systems viz:-
(a) Batteries served by light railway North of PECKHAM JUNCTION.
(b) Batteries served by light railways South of PECKHAM JUNCTION.

2. The railhead for the northern system is FUZEVILLE (O.K.D.), that for the Southern DE KENNEBEK (O.X.F.)

3. An Artillery officer appointed by Aust. Corps and known as C.A.R.O. - Corps Ammunition Railhead Officer - is stationed permanently at each railhead.

4. Ammunition is sent up to railheads on demand from D.A.H.Q.

5. On receipt of demand from D.A.H.Q., "Q" Aust.Corps. arrange for the despatch of the ammunition to railhead from Base, or from Army or Corps Reserve, and wire to D.A.H.Q. the amount and approximate time of arrival at railhead.

6. D.A.H.Q. then notify C.A.R.O. concerned of the distribution of ammunition by Batteries, adhering as far as possible to complete truck loads for any one Battery - 800 18-pr or 450 4.5" How.

7. This wire is repeated to Groups concerned for information of the Batteries.

8. C.A.R.O. at O.X.F. on receiving definite advice of time of arrival of train at O.X.F. wires to Groups for guides for Batteries concerned to report to him at O.X.F.
C.A.R.O. at O.K.D. despatches ammunition as ordered by D.A.H.Q. either to Batteries or to A.R.P. at LA POLKA as required.

9. Ammunition is delivered to Batteries by DECAUVILLE in trucks.

10. C.A.R.O. arranges unloading from broad gauge to DECAUVILLE, hands over the ammunition to the guides, and despatches the train.

11. Trucks are delivered to the nearest siding, see Appendix III, to each Battery concerned, are immediately unloaded, and re-filled with empty cases.

12. Trucks are withdrawn from sidings under orders of the Light Railway authorities.

13. A stock of 4.5" Chemical shell is kept in special shed at D.V.1. at N.21.C.5.5. and is drawn by Horse transport as required.

14. Ammunition for Batteries on the Southern system goes forward from O.X.F. on the X4 and SI lines.

15. Ammunition for Batteries on the Northern system goes forward from O.K.D. via LA POLKA on the WI and V2 lines.

16. In cases where the Battery positions are some little distance from the DECAUVILLE Sidings, the ammunition is brought from the sidings to close proximity of gun pits by light tram lines under Battery arrangements.

17. Average time which elapses between demand by D.A.H.Q. for ammunition, to the time the ammunition is received in gun pits is 3 days.

18. Horse transport is practically eliminated.

19. Distribution of ammunition is shown in Appendix III.

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APPENDIX.1.

B.DIVISIONAL DEFENCE SCHEME.

S.O.S.

MESSINES	OOSTTAVERNE	HOLLEBEKE.
U.11.B.95.02.- U.6.C.25.80. - U.6.A.60.20. along front line trench to 0.36.C.20.40. along front line trench to 0.35.D. 75.85 - 0.35.B.40.50. 0.29.D.30.15.	0.35.B.30.95.- 0.29.D.08.75.- 0.29.B.15.34. - BEEK FARM (0.29.B. 10.97) to WAM FARM (0.23.D.05.20) to 0.23.D.10.62. to Rifle Farm (0.23.D. 15.95) to 0.23.B. 65.95.	0.23.B.65.95. - 0.17.D.70.60. 0.18.A.00.30. - 0.12.C.00.00. 0.11.D.80.26. - 0.12.A.85.55.

4.5" How. S.O.S. BOMBARDMENT POINTS.

1 How. on each following points:- U.12.A.40.70. U.6.A.40.50. 0.36.A.20.20. U.6.C.40.60. 0.36.C.20.45. 0.30.C.95.35.	1 How. on each following points:- 0.29.D.46.15. 0.29.B.70.23. 0.23.D.63.90. 0.24.A.05.72. 0.29.B.65.84. 0.24.C.20.70.	1 How. on each. following points:- 0.12.C.35.60. 0.11.D.95.23. 0.18.B.20.80. 0.18.A.75.50. 0.18.C.65.95. 0.24.A.55.97.

S.O.S. RATES OF FIRE.

3 rounds per gun per minute for first five minutes.
2 " " " " " " second " "
1 " " " " " " third " "

All fire will cease at the end of fifteen minutes.

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

Telephone lines to the Infantry are to be tested at least every half hour during the day and night.

A sentry is always to be posted at each Battery position: during the hours of daylight as an E.A. and S.O.S.guard, and during the hours of darkness as S.O.S. sentry.

Batteries will be provided with a location board and pointer for the use of the sentry.

At each 18-pr gun pit 20 rounds are kept distinctly labelled S.O.S., with fuze correctly set.

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APPENDIX. 1. Cont'd.

RELAY POSTS.

Group.	ocation of Post.	Method of Repeating.
MESSINES.	U.4.C.35.25. O.34.B.20.30. O.33.C.40.40.	Lights. " "
OOSTTAVERNE	O.19.D.80.14. O.19.B.60.30.	Lights. By telephone to Group.
HOLLEBEKE.	O.9.C.25.88.	Lights.

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

Right. Battn.	Right Bde. -	S.O.S.MESSINES.	Right.
Right Centre Bn.	" "	S.O.S.MESSINES.	Left.
Left Centre Bn.	" "	S.O.S.OOSTTAVERNE.	Right.
Left Battn.	" "	S.O.S.OOSTTAVERNE.	Left.
Right Battn.	Left Bde.	S.O.S.HOLLEBEKE.	Right.
Left Battn.	" "	S.O.S.HOLLEBEKE.	Left.

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APPENDIX II.

B. DIVISIONAL ARTILLERY DEFENCE SCHEME.

LIAISON BARRAGES.

UNIT ATTACKED.	CALL SENT.	TO WHOM SENT	ASSISTANCE GIVEN.
C.Divnl. Arty. on right.	HELP CANAL	HOLLEBEKE GROUP	1 18 pdr Battery 0.12.B.25.80 to 0.12.B.85.40. 2 4.5" Hows. on HOLLEBEKE CHATEAU. 2 4.5" Hows. on LOCK 5.
HOLLEBEKE GROUP on left.	HELP AUSTRAL	"C" Divl.Arty.	1 18 pdr Battery. 0.12.A.80.58. to 0.11.D.90.40. 2 4.5" Hows. on LOCK 5. 2 4.5" Hows. on Bridges 0.12.D.
HOLLEBEKE GROUP on right.	HELP HOLLEBEKE	OOSTTAVERNE GROUP.	2 18 pdrs FLY BUILDINGS to 0.17.D.74.45. 2 18 pdrs 0.17.D.74.45 to 0.17.D.83.00. 2 18 pdrs 0.17.D.83.90 to LANG FARM 0.17.B.90.30. 1 4.5" How. on MIDDLE FARM 0.24.A.1.8. 1 4.5" How. on CENTRE FARM 0.18.C.6.1. 1 4.5" How. on BOMB FARM 0.18.C.6.9.
OOSTTAVERNE GROUP on left.	HELP OOSTTAVERNE	HOLLEBEKE GROUP.	1 18 pdr Battery 0.18.C.0.0 to 0.24.A.0.9 to C.23.D.5.6. 1 4.5" How. on PILL FARM 0.24.A.5.3. 1 4.5" How. on EEL FARM 0.24.C.4.7. 1 4.5" How. on CENTRE FARM 0.18.C.6.1.
OOSTTAVERNE GROUP on right.	HELP OOSTTAVERNE	MESSINES GROUP.	1 18 pdr Battery 0.29.D.4.0 to 0.29.D.7.9. 1 4.5" How. on PIKE HOUSE 0.30.A.8.0. 1 4.5" How. on FEATHER FARM 0.30.C.4.8.

Contd. P.T.O.

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AUSTRALIAN WAR MEMORIAL RCDIG1009646

A P P E N D I X. II Contd.

UNIT ATTACKED	CALL SENT	TO WHOM SENT	A S S I S T A N C E G I V E N.
MESSINES GROUP on left.	HELP MESSINES	OOSTTAVERNE GROUP.	1 18 pdr Battery 0.29.D.40.00 - 0.35.B.25.55- 0.35.B.95.00. 2 18 pdrs enfilade MILITARY ROAD. 1 4.5" How. on SALLON FARM.0.30.D.00.85. 1 4.5" How. on OTIRA Trench 0.36.A.67.95 to 0.30.C.77.07.
MESSINES GROUP on Right.	HELP MESSINES	"A" Divl. Arty.	2 18 pdr Batteries [illegible] U.11.B.98.30 - U.6.C.10.30. 1 4.5" How on U.12.C.12.70. 1 4.5" How. on U.12.C.00.90.
A.Divnl Arty. on left.	HELP BASSEVILLE.	MESSINES GROUP.	1 18 pdr Battery U.11.B.98.30-U.12.C.20.30. 2 4.5" How. U.12.C.2.8.

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APPENDIX 16

APPENDIX III.

PRESENT - POSITION.

GROUP.	BATTERY.	RAILHEAD.	DECAUVILLE SIDING	METHOD OF DELIVERY.
X	X A	O X F	MACMURRAY	Hand.
	X B	"	KEEPAWAY	Wagon.
	X C (4)	"	ENDERBY	Tram.
	X C (2)	"	"	Tram.
	X D	"	Broad gauge to D.V.12.	Hand.
Y	Y A	O K D	WHITEHALL	Tram line.
	Y A	"	"	Pack.
	Y A	"	"	Tram line.
	Y B	"	KELOWNA	Hand.
	Y C	O X F	HOSPICE	Hand.
	Y D	O K D		
Z	Z A	O K D	GREY	Hand.
	Z B	O K D	PURGATORY	Tram line.
	Z C	"	PORRIDGE	Hand.
	Z D	"	HURON	Hand.

REINFORCEMENT POSITIONS.

X	X R A	O X F	ENDERBY	Hand or tram.
	X R B	"	MACMURRAY	do.
	X R C	"	ENDERBY	do.
	X R D	"	VERNON	do.
X	X R R A	O X F	BRAZEAU	do.
	X R R B	"	ENDERBY	do.
	X R R C	"	ENDERBY	do.
	X R R D	"	BRAZEAU	do.
Y	Y R A	O K D	WOOD	do.
	Y R B	"	WOOD	do.
	Y R C	"	WOOD	do.
	Y R D	"	WHITEHALL	do.
Z	Z R A	O K D	PORRIDGE	do.
	Z R B	"	ONRAET	do.
	Z R C	"	PORRIDGE	do.
	Z R D	"	HURON	do.

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APPENDIX. 16

Appendix III Contd.

DISTRIBUTION OF AMMUNITION.

	No. of rounds per 18-pr.				No. of Rds. per 4.5" How.			
	Mobile.		Dumped.		Mobile.		Dumped.	
	Boxed.	Unbxd.	Bxd	Unbxd.	Bxd.	Unbxd	Bxd.	Unbxd.
At guns.	-	-	-	450	-	-	-	350
Wagon lines.	-	176	-		-	108	-	-
D.A.C. or R.A.C.	24	76	-		66	48	-	-
Sub.Park.	75				40			
	99	252		450	106	156	-	350

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

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APPENDIX. 4.

POSITION ZONES and LOCATION OF AMMUNITION DUMPS for HEAVY and MEDIUM TRENCH MORTARS.

MESSINES SECTOR.

Description	Position	S.O.S.Line	Arc of fire	
1 6"Newton.	U.5.A.35.75.	U.C.C.10.90.	U.11.B.80.40. to U.6.C.90.95.	
1 6" Newton.	O.35.C.15.10	O.36.C.50.50	O.36.A.40.80.to U.6.A.95.90.	
1 2" M.T.M.	U.5.D.30.80.	-	U.6.C.10.85.to U.5.D.80.00.	Not used for S.O.S. Used only at night with silencer for counter T.M. work.
1 2" M.T.M.	U.5.D.20.80.	-	U.6.C.10.85.to U.5.D.80.00.	

OOSTTAVERNE SECTOR.

1 6" Newton.	O.22.D.30.95	O.23.B.45.65	O.29.B.95.95. to O.23.B.98.88.	

HOLLEBEKE SECTOR.

1 6" Newton.	O.11.C.05.55.	O.18.A.30.90	O.18.C.30.90.to O.12.C.85.70.	
1 9.45"H.T.M	O.16.D.60.10.	O.23.D.6.9.* O.23.B.6.9.%	O.17.B.74.05.to O.23.C.55.00.	*BAB FARM %FLY BDGS. BAB FARM & switch to FLY BDGS.3 rounds on each.
* 1. 9.45"H.T.M	O.16.D.75.60.			
1. 9.45"H.T.M	O.10.D.65.35.	O.11.D.95.20	O.6.B.10.70.to O.24.C.95.85.	

AMMUNITION DUMPS AT POSITIONS.

MESSINES SECTOR.

Location.	Maximum Quantity.	Description.	Nature of Mortar.
U.5.A.30.85.	200	T.M.G.	6" Newton.
U.5.D.30.80.	30	T.M.B.	2" M.T.M.
U.5.D.20.80.	30	T.M.B.	2" M.T.M.

OOSTTAVERNE SECTOR.

O.22.D.30.95.	100	T.M.G.	6" Newton.

HOLLEBEKE SECTOR.

O.11.C.05.55.	100	T.M.G.	6" Newton.
O.16.D.60.15.	40	T.M.F.	9.45" H.T.M.
O.16.B.50.15.	60	T.M.F.	9.45" H.T.M.
O.16.A.30.00.	100	T.M.B.	2" M.T.M.

* Not yet registered.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

1st AUSTRALIAN DIVL. ARTILLERY HEADQUARTERS.
No. Inf/168 APPENDIX 16
Date 17.1.18.

B

SUPPLEMENT TO ~~5th AUSTRALIAN~~ DIVISIONAL ARTILLERY DEFENCE SCHEME.

****

1. The Corps front is at present divided into three Divisional Sectors:
   A. River LYS to River DOOVE.
   B. River DOOVE to HOLLEBEKE.
   C. HOLLEBEKE Northwards

2. If it is at any time decided to reinforce the Field Artillery as now disposed, the consequent regrouping of the B. Divisional Artillery will be:
   (a) The existing MESSINES GROUP reinforced by two Brigades will become:
   A.1. Divisional Artillery, and may be subdivided into two Groups, or remain as one Group.
   (b) The existing OOSTAVERNE and HOLLEBEKE GROUPS each reinforced by one Brigade will become:
   B. Divisional Artillery, and will be subdivided into two Groups.
   (NOTE.) The regrouping of A. and C. Divisional Artilleries is shown in defence schemes of their Divisions, and does not affect A.1. and B.Divisions.

4. Existing reinforcing, and second and third zone positions, pass to the new Groups with their present Groups.

5. Each Battery in line is responsible for the preparation and maintenance of three positions viz:
   1. Front Zone = Present position.
   2. Second zone.
   3. Third zone.
   and one reinforcing position in each zone; six positions in all, except MESSINES GROUP who requires 9 positions in all,i.e. two instead of one reinforcing position in each zone.

6. Field Artillery is to be so disposed in depth, as to be able to defend the present front zone, and in addition be able to defend the Second zone with as little change of position as possible.

7. The requirements and sequence of constructional work are summarized as:
   (a) Construction of positions for reinforcing front zone.
   (b) Selection of sites for a second Group H.Q. in each existing Group.
   (c) Construction of positions to which guns would require to be withdrawn for defence of the second zone
   (d) Construction of positions for reinforcing guns defending second zone.
   (e) Selection and marking of positions covering the third zone.
   (f) Selection and marking of reinforcing positions covering third zone.

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(g) Selection and construction of O.Ps and communication thereto in each zone.
(NOTE) Work under para (g) is being undertaken by R.A. Aust.Corps. and R.A.Div.

8. In the construction of positions the sequence of work is to be:
(a) Placing of marking boards.
(b) Construction of splinter-proof dugouts for telephonists, detachments and officers.
(c) Construction of splinter-proof gun pits.
Dugouts should not be constructed larger than is necessary to accomodate 4 men in each.
Only a small proportion of dugouts should be in the line of guns.
All work must be camouflaged.

9. Communication schemes to meet this re-subdivision will be prepared in all Groups.

10. APPENDIX.Z. shows all Battery positions, H.Qs and O.Ps and reinforcing positions, as also the present grouping and the regrouping.
This Appendix also shows the lettering to be painted on boards, marking selected Battery positions.
Thus: The reinforcing Howitzer Battery for MOLLEBEKE, Third Zone would be
Z.3.R.D.
RESERVED for F.A.

11. Wagon Line positions are detailed in Appendix.....

12. Routes for ammunition supply by pack and horse drawn vehicle are detailed in Appendix.....

13. Refilling points and dumps are detailed in Appendix

14 Trench Mortar positions to cover each system in each zone are being selected, and will appear in a separate appendix.

Captain.
a/Brigade Major 1st Aust.Div.Artillery.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

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B

DIVISIONAL ARTILLERY.

Detail of Positions for Batteries in the line, and Reinforcing Batteries for FIRST, SECOND and THIRD ZONES, showing present Grouping and re-grouping on being reinforced.

(NOTE. Each Battery maintains 6 positions; 2 in each zone. viz. its own position, and one reinforcing position.)

Appendix 16

GROUPING. →

A.1.Div. Art. when reinforced. B. Divisional Arty. when reinforced.

NORMAL

FIRST ZONE

		1.	2 (NORMAL) Positions occupied at present.	3 (WHEN REINFORCED) Reinforcing positions for covering front zone.	4 Group.H.Q. * Occupied. % Spare.	5 Group O.Ps. Front zone.
HOLLEBEKE.			Z.	Z.R.	Z.	Z.
	18 pr	A	0.9.A.50.30.	A 0.8.B.23.55.	N 0.18.B.85.25.*	0.10.D.85.80.
	"	B	0.7.D.54.03.	B 0.14.A.60.20.	N.17.D.20.30.%	0.15.D.70.50.
	"	C	0.8.D.65.75.	C 0.8.C.30.05.		
	4.5"	D	0.14.B.58.68.	D 0.14.B.20.95.		
OOSTAVERNE.			Y.	Y.R.	Y.	Y.
	18 pr	A	(0.25.B.60.87.(4) (0.26.C.55.97.(2)	A 0.19.C.20.72.	N 0.29.C.50.80.*	0.27.D.80.20.
	"	B	0.25.B.70.40.	B 0.19.C.50.60.	0.19.B.45.10.%	0.28.C.25.95.
	"	C	0.25.C.05.25.	C 0.19.C.65.35.	0.28.B.65.95.	0.19.B.60.30.
	4.5"	D	0.19.B.25.30.	D 0.25.B.50.35.		
MESSINES.			X.	X.R.	X.	X.
	18 pr	A	U.1.A.70.50.	A 0.31.C.60.30.	T.6.C.15.75.*	U.3.A.95.80.
	"	B	U.13.A.80.80.	B U.1.D.20.95.		0.33.A.40.30.
	"	C	(0.31.A.55.05.(4) (0.31.B.90.45.(2)	C 0.31.D.00.75.		
	4.5"	D	U.7.D.09.70.	D U.1.B.20.05.		

SECOND ZONE.

	6 (NORMAL) Brigade in the line covering Second Zone.	7 (WHEN REINFORCED) Reinforcing positions for covering Second Zone.	8 Group.H.Q. * Occupied. % Spare.	9 Group O.Ps. Second Zone.
	Z.2.	Z.2.R.	Z.2. and Z.2.R.	Z.2.andZ.2.R.
A	N.17.D.70.50.	A N.17.D.80.05.	see column 4.	0.9.C.45.90.
B	N.23.A.80.50.	B N.23.D.80.80.		
C	N.23.B.60.07.	C N.17.D.50.80.		0.19.D.65.75.
D	N.23.C.79.80.	D N.17.C.60.10.		
	Y.2.	Y.2.R.	Y.2.andY.2.R.	Y.2.andY.2.R.
A	N.22.D.40.40.	A. N.28.B.20.40.	see column 4	0.19.D.65.75.
B	N.23.D.80.80.	B N.29.C.20.70.		0.19.B.60.30.
C	N.35.A.80.11.	C N.35.A.50.20.		
D	N.28.D.40.70.	D N.29.C.45.50.		
	X.2.	X.2.R.	X.2.andX.2.R.	X.2.andX.2.R.
A	T.6.A.80.77.	A. T.6.C.11.11.	T.6.C.15.75.*	U.3.A.05.25.
B	T.6.A.50.30.	B. T.12.A.70.50.		.....?
C	N.36.C.20.45.	C T.6.C.20.45.		.....?
D	T.5.B.90.60.	D T.12.A.10.50.		

THIRD ZONE.

	10 (NORMAL) Brigade in the line covering Third Zone.	11 (WHEN REINFORCED) Reinforcing positions covering Third Zone.	12 Group. H.Q. * Occupied. % Spare.	13 Group O.Ps.	14
	Z.3.	Z.3.R.			
A	M.24.C.50.45.	A M.18.B.11.11.			
B	M.24.C.25.55.	B M.18.A.25.15.			
C	M.17.D.50.40.	C M.18.C.80.95.			
D	M.24.A.30.00.	D M.18.C.55.80.			
	Y.3.	Y.3.R.			
A	M.35.A.65.40.	A S.5.B.30.20.			
B	M.18.A.20.70.	B S.5.D.30.80.			
C	M.18.A.50.90.	C M.18.A.00.60			
D	M.35.A.50.11.	D M.18.B.70.80.			
	X.3.	X.3.R.			
A	M.36.A.50.20.	A M.31.A.40.40.			
B	M.36.A.30.80.	B M.36.A.70.45.			
C	M.29.C.65.10.	C M.35.A.65.65.			
D	M.36.B.80.60.	D M.36.B.60.40.			

APPENDIX 16

AUSTRALIAN WAR MEMORIAL RCDIG1009646

1 ✓

File

413

1st AUSTRALIAN
DIVL. ARTILLERY
HEADQUARTERS
No.
Date.

APPENDIX. 16

SECRET.

"B" DIVISIONAL ARTILLERY.
(Aust. Corps.)

24th January 1918.

1. Amendment No. 1 to Appendix Z of Supplement to "B" Divisional Artillery Defence Scheme.

For XRC Bty. position at O.31.D.00.75. read O.31.C.70.70.

---

2. Addendum No. 1 to Appendix Z of Supplement to "B" Divisional Artillery Defence Scheme.

Add to columns 3, 7, and 11 respectively of Appendix Z the following

3.	XX	A.	O.31.D.15.40.
		B.	U.1.D.20.50.
		C.	U.1.C.07.95.
		D.	U.1.B.30.75.
7.	XX2R	A.	T.5.B.80.20.
		B.	N.35.D.97.82.
		C.	N.35.B.85.05.
		D.	T.5.B.90.60.
11.	XX3R	A.	S.6.A.65.75.
		B.	S.6.B.20.25.
		C.	S.11.B.20.90.
		D.	S.6.A.20.70.

3. Acknowledge on slip attached.

Captain.
a/Bde. Major. 1st. Aust. Div. Art.

To all recipients of "B" Divisional Artillery Defence Scheme.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

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APPENDIX. 16

SECRET.

Copy No. 32.

"B" DIVISIONAL ARTILLERY.
(AUST. CORPS.)

30/1/18.

Amendment No. 2. to Appendix Z. of Supplement to "B" Divisional Artillery Defence Scheme.

For Z.2.R.D. position at N.17.C.60.10. read N.17.D.20.00.

Acknowledge on form attached.

Captain.
a/Bde.Major. 1st.Aust.Div.Artillery.

To all recipients of Supplement to Defence Scheme.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX. 17

FIRST AUSTRALIAN DIVISION. 136/353

Divisional Headquarters,
14th January, 1918.

1st Aus.Inf.Bde.
2nd Aus.Inf.Bde.
3rd Aus.Inf.Bde.
C.R.A.1st Aus.Div.
C.R.E.1st Aus.Div.
A.D.M.S.
1st Aus.Pioneer Bn.
1st Aus.Div.Sig.Coy.
1st Aus.Div.Train.
Camp Commdt. D.H.Q.

A lecture on "Postal Censorship" will be delivered by Captain. T.MACVEY at the CINEMA HALL, NEUVE EGLISE at 3 p.m. on January 22nd.

The following officers will be detailed to attend:-

One officer from each Battalion and M.G.Coy. out of the line.
2 Officers to be detailed by the C.R.A.
One officer from each of the following units:-
Divisional Engineers, Pioneer Bn, each Field Ambulance, Divisional Signal Coy, and Divisional Train.

C.F. Kisingja...
Lieut-Colonel.
General Staff.
1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

XVIII

1ST. AUSTRALIAN INFANTRY BRIGADE.

GENERAL STAFF
S/7257
Date 21/1/18
1ST. AUSTRALIAN INFANTRY BRIGADE.

APPENDIX. 18

HEADQUARTERS 1ST. INFANTRY BRIGADE
No. 16336
20 JAN. 1918
AUSTRALIAN IMPERIAL FORCE

Brigade Headquarters,
20th. January, 1918.

1ST. AUST. DIVISION.

Herewith please find duplicate reports of C.O. 1st. Battalion regarding action of a patrol on night 19/20th. January.

Our Artillery, Machine Guns and Trench Mortar action has been stopped in squares O.12.A. and C. and O.11.D, and a strong patrol will search the ground for the missing officer N.C.O. and man during night 20/21st. January.

W.B. Leslie Brig.-General,

Commanding 1st. Australian Infantry Brigade.

Other reports to come in
By on 25/1/18

1ST. AUSTRALIAN INFANTRY BRIGADE.

HEADQUARTERS, 1ST. INFANTRY BRIGADE
No. 18/336
23 JAN. 1918
AUSTRALIAN IMPERIAL FORCE

Brigade Headquarters,
23rd. January, 1918.

HEADQUARTERS,
1st AUSTRALIAN DIVISION
APPENDIX.
No. 124/117
Date 24/1/18
18

1ST. AUST. DIVISION.

Patrol of "D" Company, 1st. Aust. Battalion, night 19/20th. January, 1918- Lt.L.M.BULL in command.

I forward herewith a report by Capt. J.C.BOOTLE, Commanding "D" Company, 1st. Aust. Battalion, together with a covering memo by the Commanding Officer.

I should be glad if, as requested by the C.O., Capt. BOOTLE'S report and the report of 2/Lieut. A.N.NORTHCOTT of patrol on night 21/22nd. January could be returned.

Brig.-General,

Commanding 1st. Australian Infantry Brigade.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX. XVIII

FIRST AUSTRALIAN DIVISION

HEADQUARTERS
1st AUSTRALIAN
DIVISION.
APPENDIX.
No. 124/17
Date 16/1/18.

Headquarters,
Jany. 25th 1918.

1st Aus.Inf.Brigade.

I return herewith reports of the patrol of 1st Battn. on night 19th/20th January, together with a copy of report for-warded to Australian Corps on the matter.

I am to request that you bring to the notice of Command-ing Officers the danger which patrols incur when they move in a direction contrary to that which has been arranged and of which all posts are informed. On the other hand, it is not always possible for a patrol to act as directed when it sets out, and the Divisional Commander hopes that whenever patrols go forward, all posts will recognise this and will keep a sharp lookout to prevent any danger to the patrol of being fired on by our own side.

I am to request that these points may be inculcated during the next period of training out of the line.

Colonel.
General Staff.
1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX 18

FIRST AUSTRALIAN DIVISION

Headquarters,
Jany. 25th 1918.

Australian Corps.

Attached please find an account of the action of the patrol of 1st Battalion under Lieut. L.M. BULL on the night 19th/20th inst.

This report is compiled from the various reports which have been received in connection with the matter.

(Sd) C.R.

Brigadier-General.
Commanding 1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

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

MESSAGES AND SIGNALS.

No. of Message.....

Prefix..... Code..... m	Words.	Charge.	This message is on a/c of:	Recd. at ..... m.
Office of Origin and Service Instructions.	Sent At..... m. To..... By.....		.....Service. (Signature of "Franking Officer.")	Date APPENDIX. From ..... 18 By.....

TO { 1st Aust Div

Sender's Number.	Day of Month.	In reply to Number.	AAA
* Bty 226	22		

Strength Copy of report
& Sketch on information
obtained by Lt Bell 1st Div
Copy Report & sketch has
been sent to Artillery Group
& shoot will take place
at 9 pm tonight Sent to Corps
Jg. Copy to Corps Sent to Div
not to Col to file
JR

From 1st A/ Bde JR
Place
Time

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

* This line should be erased if not required.

(3796.) Wt. W 492/M1647. 650,000 Pads. 5/17. H.W. & V., Ld. (E. 1187.)

AUSTRALIAN WAR MEMORIAL RCDIG1009646

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APPENDIX 18

Report on Patrol of 1st Bn 19/20 Jan

A patrol left our lines at Sq. O.11.b.8.2. at 7 p.m. on the evening of the 19th instant, its strength consisted of Lieut. L.M. BULL, Sgts. SCOTT and BEYNON and 5 others. One of the latter was sent back soon after leaving our lines.

The object of the patrol was to reconnoitre a small pill box in the vicinity of O.11.d.8.8., then the hedges at O.12.a.2.2. and thence to go northward to the HOLLEBEKE Road and finally to return to our lines at O.11.b.8.5. The patrol after leaving our lines reconnoitred the ground in front and towards the HOLLEBEKE Road and appears to have examined the pill boxes that they were sent to examine without finding any trace of the enemy.

The patrol instead of going north from this point, proceeded in a southerly direction towards the GIANT and reached the enemy's wire at about O.21.c.1.6. From this point they moved in a slightly northerly direction and reconnoitred the ~~ground~~ GIANT, which was found to be partially destroyed, unoccupied and full of water. The patrol then began to reconnoitre the pill boxes in the vicinity of the GIANT and found the southern one unoccupied, but as it passed round this pill box, the patrol came under heavy M.G. fire from an enemy post a little to the westward of it. Bombs were also thrown at the patrol from this post. One man was wounded and a bullet struck Lieut. BULL'S helmet. The patrol threw some bombs and Lieut. BULL opened fire with his revolver and ordered the patrol to get back. Lieut. BULL remained to see the patrol withdraw but seems to have been forced himself to take to ground after retiring a little way owing to enemy M.G. fire. He was not missed by the remainder of the patrol until they had got through the enemy's wire. Sgts. BEYNON and SCOTT then made a search for Lieut. BULL without result and the patrol withdrew towards our own lines. In returning towards our lines, instead of going north in accordance with the original arrangements, the patrol withdrew towards the right flank of the battalion just north of the ROOZEBEEK under the command of Sgt. BEYNON. Pte. VASSEROTTI was carried back by the others. As the patrol approached our lines, their movement was heard and the occupants of the post being suspicious of their identity fired a Very light. The occupants of the post took them for a German party - this is apparently due to the fact that they were patrol overall suits. The post opened fire on them but caused no casualties. Evidence is conflicting as to the challenging of the party by this post. The patrol state that Sgt. BEYNON shouted out the password twice and added "We are 'Aussies', who are you?" The N.C.O. in charge of the post reports hearing movement in our inner belt of wire at 10.30 p.m. and firing the flare and seeing a party which he took to be about 8 Germans who immediately dived into shell holes when the flare went up. He states that he asked for the password, but got no reply. He then heard a voice call out in good English "Are you 'Aussies', who are you?" and answered "You had better come and see" and as he received no answer, he opened fire. The patrol report that they had no answer to Sgt. BEYNON when he called out.

The patrol appeared to have been thoroughly mystified as the result of this reception as to their whereabouts and Sgt. BEYNON decided to take Pte. MANSELL with him and try to ascertain their whereabouts, and get a stretcher to bring in the wounded man.

Sgt. SCOTT remained with the other three men. After waiting for a considerable interval and hearing no more from Sgt. BEYNON, Sgt. SCOTT determined to make an effort on his own account and left the remainder to endeavour to find their way in. He waited until flares went up and decided from the direction of these and from the direction of what he knew to be the fire of 18-pdrs. and made his way towards our lines. As soon as he was sure of his whereabouts he went back to bring the others with him. During his absence the remaining three men lay hidden in shell holes and while waiting a patrol was sent out from the past that had fired on them with the object of ascertaining the result of the fire. The men took this patrol for a hostile one and allowed it to pass. Sgt. SCOTT came

AUSTRALIAN WAR MEMORIAL RCDIG1009646

up immediately after this patrol and they saw him also, but were afraid of giving themselves away. Sgt. SCOTT, as he failed to find his party, returned again up the line of the ROOZEBEEK into our lines. He passed through an interval between two of our posts and arrived at one of the M.G. positions.in rear at dawn. The remaining three men remained in their concealed position until dawn when they were found by another patrol sent out from the post which had fired on them early in the evening. Nothing further has been heard of Sgt. BEYNON and Pte. MANSELL, but a German patrol reported to be of a strength of four men apprcached the left post of the battalion at about 2 a.m. It was halted by the Sgt. and gave the password. The Sgt. then ordered one to advance and be identified and in reply a bomb was thrown at the post and the party disappeared. Bombs were promptly thrown at the party but without result.

As regards Lieut. BULL. This officer remained in a shell hole where he had taken refuge for half an hour and then went east--wards through the line of pill boxes with the idea of working round to the south and getting back in that way but found he was unable to get any further than the GIANT and remainedd there throughout the night 19th/20th and the day of the 20th. As soon as the moon set on the night 20th/21st (about 3 a.m.) he set off and got through the enemy's wire. His movements were located by the enemy and he was unable to get any further owing to their alertness. He states that he remained in the shell hole until the moon set on the night 21st/22nd and then began to make his way carefully to our lines, which he had not reached when day broke; he returned to our lines at dusk on the 22nd.

The Company Commander states that at 12.20 a.m. on the night 19th/20th, a report reached him from the advanced Coy. H.Q. to the effect that Lieut.BULL had not returned and that all posts had been warned. He then sent out Lieut. NORTHCOTT with 10 O.R. to go out and search for the missing patrol, but nothing was found.

While hiding on the 20th and 21st, Lieut. BULL took careful note of the enemy's attitude and of the enemy's situation. The main points on which he reported are as follows.-

Re the defences in the vicinity of the GIANT, he states that of the four pill boxes, only the northern one is occupied. There seems to be two posts. The northern one is marked "A" in the sketch and is about 30 yards west of northern pill box. The other post is about 80 yards south of "A" being slightly southwest of southern pill box.

The garrison of post "A" he puts down at about 12 to 14 men with a M.G. of the heavy type.

The garrison of post "B" at about 6 men with a similar M.G.

The garrison of post "A" retire to northern pill box by day but he cannot state what happened to the garrison of past "B".

There were no liaison patrols between these posts.

The sentries were not visible by day and at breakfast (before dawn) and tea (about dusk) no precautions seemed to be taken.

The garrison withdrew from the posts to pill box about an hour before dawn.

The posts have no parapet to speak of and do not show up at all. He did not hear sounds of men walking on duckboards. The posts are so sited that the posts in our line from FORRET Farm to the north are on a skyline and he could plainly see our men starting to move about at dusk.

Enemy wire seemed to be continuous and not merely covering the posts but it is nowhere thick, averaging 5-ft. wide. It is very low.

No men came to the post from the rear during the night with rations, apparently the garrison took their supply into the trenches with them..

No work was being done in the vicinity though some men were heard apparently chopping wood ~~in rear~~ 300 or 400 yards in rear

No post was seen other than those mentioned.

The patrol was not challenged and fire was opened immediately.

Flares are sent up from in front of the machine guns.

From what he could judge the troops seemed good, but no effort was made to search the area after our patrol left though some sentries were pushed out in advance of the posts.

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No Man's Land is practically impassable, except for small parties a large patrol makes a lot of noise and is difficult to handle.

The patrol behaved coolly and well - no noise was heard from our own lines.

Our line south of FORRET Farm was not visible from his position near the GIANT.

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(Copy)

Headquarters.
1st.Aust.Battalion.
23rd. January 1918.

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APPENDIX 18

C.O. 8.

1st. Aust. Inf. Bde.

As already reported over the telephone Lieut. L.M. BULL who took out a patrol on the night of 19/20th. January and has been missing since, reached our lines about 1800 last evening, 22nd. Inst, and came in through Post 4.0.11. He was suffering to some extent from exposure which mainly appeared in his feet and hands and he has developed Trench Feet, his hands being similarly affected. He had not touched food for eighty hours with the exception of a turnip found in No Man's Land. He was very cheerful and very clear as to all his doings. He supplies the following information.

The patrol after leaving our lines at Post 4.0.11. reconnoitred the ground in front and towards HOLLEBEKE Road where nothing was seen of enemy or enemy work. The patrol then proceeded in a Southerly direction towards the GIANT. Lieut. BULL knew this country as he had patrolled it a few nights before. They reached the enemy's wire at a point about 0.21.C.10.60. The patrol passed through the enemy wire without difficulty and proceeded in an Easterly direction passing South of enemy post marked "B" in attached sketch. Moving North they reconnoitred THE GIANT which was found to be partially destroyed, unoccupied and full of water. There are four pill boxes near THE GIANT and West of it. The patrol reconnoitred one of these, the most Southerly, and it was found unoccupied, and as it turned the corner it came upon an enemy post from the rear. The patrol was then at point "C" on sketch. Enemy opened with Machine Gun fire on the party, one man being wounded - a bullet grazing Lieut. BULL's Steel helmet. The latter used his revolver a couple of times and threw a couple of bombs and then gave the word for the men to get back and he saw them get away. He was unable to get away owing to the machine gun which was firing in his direction. He remained in a shell hole for half an hour and then went East through the line of pill boxes towards THE GIANT in the hope of getting back on Southern flank of Post B. He reached THE GIANT but was unable to proceed further owing to alertness of sentries. Returning to the GIANT he remained there for the rest of the night of 19/20th and till the moon went down on the night 20/21st (about 0300 on 21st). When he succeeded in getting through enemy wire, but machine gun fire prevented him from proceeding further, and he remained in a shell hole till the moon went down on the night of 21/22nd (about 0400 on 22nd). When he got well forward on his way to our lines but owing to day breaking he was compelled to spend the daylight of the 22nd. in a shell hole, and at dusk came into our lines.

Re the defences in the vicinity of the GIANT, he states that of the four pill boxes only the Northern one is occupied. There seems to be two posts. The Northern one marked "A" in sketch is about 30 yards West of Northern pill box. The other post is about 80 yards South of "A" being slightly South West of Southern pill Box.

The garrison of Post "A" he put down at about 12 to 14 men with a machine gun, of the heavy type.

The garrison of Post "B" at about 6 men with a similar machine gun.

The garrison of Post "A" retire to Northern pill box by day but he cannot state what happened to garrison of Post "B".

There were no liaison patrols between these posts.

The enemy were using a password which might possibly be FELIX BOURG.

The sentries were not visible by day and at breakfast (before dawn) and tea (about dusk) no precautions seemed to be taken.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX 425
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The garrison withdrew from the posts to pill box about an hour before dawn.

The posts have no parapet to speak of and do not show up at all - he did not hear signs of men walking on duckboards. The posts are so sited that the posts in our line from FORRET FARM to the North are on a skyline and he could plainly see our men starting to move about at dusk.

Enemy wire seemed to be continuous and not merely covering the posts but it is no where thick, averaging 5 feet wide. It is very low.

No men came to the post from the rear during the night with rations, apparently the garrison took their supply into the trenches with them.

No work was being done in the vicinity though some men were heard apparently chopping wood 300 or 400 yards in rear.

No post was seen other than those mentioned.

The patrol was not challenged and fire was opened immediately. Flares are sent up from in front of the machine guns.

From what he could judge the troops seemed good but no effort was made to search the area after our patrol left though some sentries were pushed out in advance of the posts.

No Mans Land is practically impassable except for small parties - a large patrol makes a lot of noise and is difficult to handle.

The patrol behaved coolly and well- no noise was heard from our own lines.

Our linesSouth of FORRET FARM was not visible from his position near THE GIANT.

It would appear from the above that while Lieut. BLAKE'S patrol was searching the ground in the vicinity of THE GIANT on the night of 20/21st. Lieut. BULL was then in rear of enemy's lines at THE GIANT.

He lost his revolver on the night of 21/22nd. when crawling through the mud.

Though at all times in great danger of his life this officer seems to have acted with the greatest coolness, daring, and grit, and never to have lost sight of the fact that his object was information and he took every opportunity of obtaining and recording same intelligently and skilfully and I hope that same will prove of some service to you.

Sketch is attached.

The report that Lieut. BULL was wounded is incorrect though I understand he has been evacuated as a battle casualty by the Field Ambulance and I would suggest that this stand.

(sgd) B.V. STACY. Lieut-Col.,
Commanding 1st Aust.Battalion.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX. XIX.

APPENDIX 19

SECRET. FIRST AUSTRALIAN DIVISION. COPY NO. 3

S/7276.

Headquarters.
23rd January 1918.

MACHINE GUNS INSTRUCTIONS.

Reference Maps WYTSCHAETE and PLOEGSTEERT. 1.- 10.000.

BARRAGE GUNS.

1. Barrage Machine Gun Companies will take over responsibility for supplying S.O.S. between O.36.C.35.05. and O.30.A.10.05. in the Right sub-sector and between O.17.D.90.00. and O.18.A.10.00. in the left sub-sector at 6. p.m. on the 24th Inst.

2. All calculations will be worked on a ratio of a gun to 45 yards.

3. Care will be taken to see that battery S.O.S. sectors overlap sufficiently.

4. Guns will be mounted by night and laid on S.O.S. By day they will be dismounted but handy to positions.

5. Two sentries will be maintained day and night, remainder of crews will be within easy distance.

6. Only one gun in each battery will be stripped for cleaning at one time.

7. A Copy of S.O.S. fire calculations will be forwarded to D.M.G.O. as soon as possible.

8. Machine Gun Company Commanders will test accuracy of clearance calculations by firing one gun of each battery on to S.O.S. target. Arrangements will be made with Battalion Commanders over whose front fire will be tested.
The Battalion Commander will report results to the Brigade Commander who will forward the reports to D.H.Q. The Battalion Commander will also inform the M.G.Coy.Commander direct as to result.

9. Atmospheric correction will be worked out daily by M.G.Coy. Commanders and forwarded to batteries. Barometer and Thermometer readings will be obtained from the artillery liaison Officer at Inf. Brigade Headquarters.

DIRECT FIRE GUNS.

1. Guns will be renumbered from Right to Left in each company engaged on direct fire. Numbers and locations of guns will be forwarded as soon as convenient to D.M.G.O.

2. Guns at present numbered 9 and 4 Right Sub-Sector in front of D Battery will be withdrawn. The vicinity of O.34.B. will be reconnoitred for gun position firing in direction of O.29. Central. for one of these guns. The other gun will be held as reserve gun.

3. No 11 gun (left sub-sector) will be withdrawn and position for this gun selected in vicinity of TRENCH FME. O.18.D.6.1. firing in direction East of ROSE WOOD.

(T.C.O.)

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4. N.P.A.1. will be withdrawn and position for this gun selected in vicinity of O.16.B.?.8.

5. Company Commanders of forward guns will arrange that in event of S.O.S. the area barraged by the Artillery may be thickened by the fire of all available V. Machine Guns until such time as these guns can bring direct fire to bear.

A return will be made to D.H.Q.O. stating (a) Gun number (b) location of guns S.O.S. Sector as soon as convenient.

6. All new works must be completely camouflaged during progress of construction as well as when completed.

Acknowledge

Colonel.
General Staff.
1st Australian Division.

Distribution.

1 - 4 D.H.Q.
5 - 7 War Diary.
8 - 9 1st.Aust.Inf.Bde.
10 -12 2nd.Aust.Inf.Bde.
13 -15 3rd.Aust.Inf.Bde.
14 1st.M.G.Coy.
15 C.R.A.

AUSTRALIAN WAR MEMORIAL RCDIG1009646

APPENDIX. XX.

APPENDIX.
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FIRST AUSTRALIAN DIVISION.

S/7284. Headquarters.
23rd January 1918.

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The duckwalk track leading over the ridge at WYTSCHAETE from WYTSCHAETE CORNER past the CATACOMBS to ESTAMINET CORNER is not to be used by day except by Officers on duty and men of the unit living in the CATACOMBS and L'HOSPICE HOUSE. Portion of men moving either way will use the road ESTAMINET CORNER - L'HOSPICE Sq. 19.A.9.7. - WYTSCHAETE.

The A.P.M. will establish Control Posts to ensure that this order is carried out.

The continual movement of troops over the ridge at this point has led to enemy shelling, and to casualties. Portion moving over the ridge on any route by day are to be restricted to not more than three, and an interval of 100 yards is to be maintained between portion.
It has been noted recently that large numbers of men working on the Firing Line System of the Second Zone have come to such places as ESTAMINET CORNER in large bodies and collected there on route to quarters when their work is finished.
This is very dangerous and must cease. It will be the responsibility of the Company Commander concerned to ensure that the men under his command leave their task so that they arrive in parties of not more than three at the foot of the ridge, at the interval laid down above.

J.A. Blamey
Colonel.
General Staff.
1st Australian Division.

AUSTRALIAN WAR MEMORIAL RCDIG1009646