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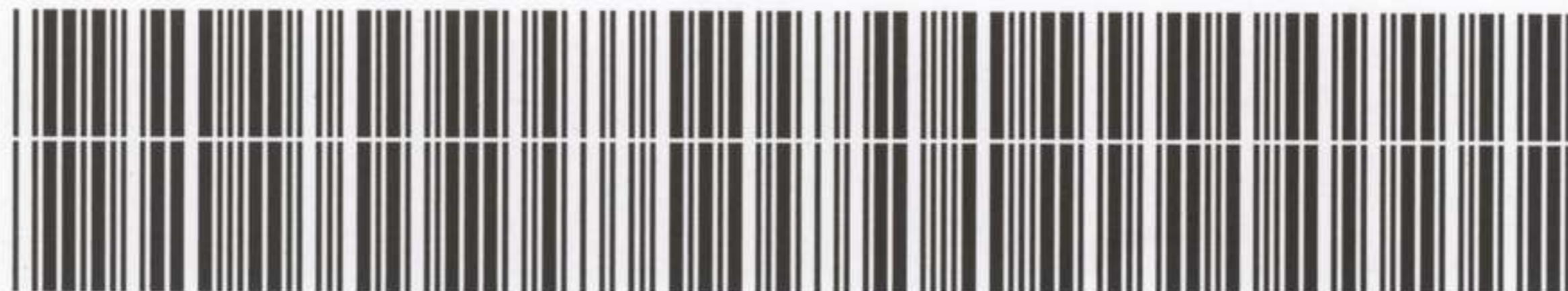
**Australian Imperial Force unit war diaries,
1914-18 War**

Formation Headquarters

Item number: 1/42/36 Part 11

Title: General Staff, Headquarters 1st
Australian Division

January 1918



AWM4-1/42/36PART11

~~SECRET~~

Copy No.

DEFENCE SCHEME."B" DIVISION.A U S T R A L I A N C O R P S.Sector:- R. DOUVE - HOLLEBEKE.Date of Issue:- 24th Jany, 1918.C O N T E N T S.

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" "	2 }
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" "	12 "A.Q"
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" "	15 File.

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SECTION I

GENERAL DESCRIPTION of the FRONT and AREA.

CHAPTER I.GENERAL TACTICAL SITUATION.

1. The defence of the Army Front is dependent on the possession of the ridge running from MESSINES to PASSCHENDAELE. This ridge is divided into three parts -

- (i) The northern section BEGELAERE to PASSCHENDAELE forms a forward echelon towards the east.
- (ii) The ridge from HOLLEBEKE to BEGELAERE forms a junction ridge between the northern and southern sections.
- (iii) The southern section from MESSINES to HOLLEBEKE forms a rearward echelon.

2. In front of the divisional sector the enemy position is in low ground, which is intersected by numerous ditches and streams running into the LYS. The ground is crossed diagonally by the YPRES-COMINES Canal. After rain this ground becomes extremely heavy.

3. An enemy thrust at the ridge on the line BEGELAERE-PASSCHENDAELE if successful would still leave us fairly strongly placed for resistance on a line ZONNEBEKE-POLYGON Wood-VELDHOEK and thence at present.

A thrust between GHELUVELT and the YPRES-COMINES Canal if successful would render our position north to PASSCHENDAELE very difficult. The flank of the WYTSCHAETE-MESSINES ridge would be placed in a dangerous situation. If the advance were pressed successfully, YPRES would be jeopardised.

A thrust against this division's position along the MESSINES-WYTSCHAETE ridge if successful would still find before it a very defensible situation and would not necessarily force us to give up the ridge further north.

4. The above has been drawn up with regard to a thrust on a frontage of about three miles. If, however, the enemy decided to make an attack on a large scale, it would still seem that an attack with its centre along the YPRES-HENIN Road if successful would give the most complete results.

No consideration has been given to the prospects of an attack further south about ARMENTIERES. The main reason for this is that the whole frontage of the division on our right is covered by the river LYS, and it would be extremely difficult for the enemy to develop an attack on a large scale over this obstacle. Hence this division probably would have no immediate active part in an action in the ARMENTIERES sector.

5. If the above considerations are correct, it would appear that the most probable danger that this division is likely to be called upon to face will be an attack on its left flank, which will be part of a general offensive further north.

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CHAPTER IILOCAL TOPOGRAPHICAL CONSIDERATIONS.

1. The Main Feature of the Defensive position is the MESSINES-WYTSCHAETE Ridge.

Forward Spurs: Four spurs slope down very gently from the main ridge eastward to the valley of the KORTEKEER.

- (i) GAPAARD Spur. Between the River DOUVE and the BLAUWEPOORTBEEK.
- (ii) WAMBEEK Spur. Between the BLAUWEPOORTBEEK and the WAMBEEK.
- (iii) OOSTTAVERNE Spur. Between the WAMBEEK and the ROOZEBEEK.
- (iv) HOLLEBEKE Spur. Between the ROOZEBEEK and the YPRES-COMINES Canal.

Rear Spurs: A well defined ridge runs westward from WYTSCHAETE to the KEMMEL Hill System. From this two main features run off:-

- (i). On the north the GRAND BOIS Spur which slopes away gently to the BOIS CONFLUENT. This Spur runs directly away to the north from WYTSCHAETE.
- (ii) On the south and extended somewhat to the westward of the GRAND BOIS Spur, the SPANBROEKMOLEN Spur runs southward to the River DOUVE. The valley of the STEENBECK separates this spur from the MESSINES-WYTSCHAETE Ridge. There is a continuation of this feature to the north known as VANDAINE Hill.

In the event of a successful enemy attack against the MESSINES portion of the Ridge, the northern spur would still be capable of defense.

If the enemy pressed an attack successfully against the main MESSINES-WYTSCHAETE position, the SPANBROEKMOLEN position would give facilities for a continued defense.

Soil and Water level: The soil is a sandy loam mixed with clay. Water is found at a few feet from the surface even on the top of the ridges. Consequently all works must be revetted simultaneously with the excavation, as otherwise the sides of the work fall in quickly if left for even a short time.

The low lying ground in the valleys of the DOUVE, BLAUWEPOORTBEEK, WAMBEEK and ROOZEBEEK is very marshy and almost impassable in places in the vicinity of the front line. It has been found necessary to provide duckwalks to maintain lateral communication throughout.

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CHAPTER III.ORGANISATION OF DEFENCES.Vide Map No. 1.1. FRONTAGE -

The front held by the Division extends from the River DOUVE to HOLLEBEKE, a trench frontage of approximately 6,700 yards.

2. ORGANISATION OF DEFENCES -

The defences of the sector are organised in depth.

Three defensive zones are in course of preparation -

- (i) The Forward Zone.
- (ii) The Second Zone.
- (iii) The Third Zone.

Each zone is organised in three systems of defence -

- (a) The Firing Line System.
- (b) The Support System.
- (c) The Reserve System.

The defences of the Forward and Second Zones are shown on Map No. 1.

3. PREPARATION OF DEFENCES.

The preparation of the defences of the Forward Zone is carried out by Brigades in the line.

The Division is responsible for carrying out the preparation of the defences of the Second Zone.

The defensive organisation of the Third Zone (Army Zone) is outside the scope of division in the line.

4. OUTPOST LINE -

The firing line system of the Forward Zone consists of the Outpost Line and its supporting points. The trace of this line is irregular and has been determined as the result of our offensives in the sector.

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SECTION 2.DEFENSIVE DISPOSITIONS.

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CHAPTER 1.PRINCIPLES GOVERNING THE DISPOSITIONS.1. GENERAL PRINCIPLES.

(i) In accordance with the conclusions of Section I, Chapter I, the weight of the Division is held in the northern portion of the sector and plans are prepared for developing the main strength of the division on this front.

(ii) The Defence is to be active. Any breach of any portion of the defences is to be promptly dealt with by counter attack initiated by the commander on the spot. Battalions in the line have a proportion of the garrison ready and organised for immediate local counter attack.

(iii) The arrangements for defence are to include plans for dealing with a break through by the enemy on the flanking area of each unit and brigade. Those are to be area arranged in conjunction with the commanders on the flanks.

(iv) Complete mastery of NO MAN's LAND is to be maintained.

(v) Brigades in the line are responsible for the defence of all three systems of the Forward Zone within the limits of frontage allotted to the brigade.

The organisation of the garrison of each system of the Forward Zone is to allow for approximately one fourth to the Outpost System, one fourth to the Support System, one half to the Reserve System. This is to be taken only as a guiding principle for the distribution, it is modified in accordance with local requirements.

Accommodation is to be provided in each system for its own garrison.

2. THE FORWARD ZONE.

(i) Outpost Systems: The Outpost Line exists to give all possible observation over the enemy's defences and to deny to the enemy facilities for approaching our line. Its function in an attack is to resist to the last in order to break the enemy's attack. If not entirely successful in this it should delay the attack and break it up so that the troops in the Support and Reserve Systems may have time to man the defences and deal with it effectively.

Small posts placed out from the picquet line will be placed under the close protection of the picquet; 80 yards is the maximum distance.

Where ground necessitates a post being placed at a distance in front of the picquet line, its strength is to be not less than one platoon. The platoon may be distributed to two or three posts provided these are within close support of one another, both by day and by night. Such posts are only to be used when absolutely unavoidable. When such posts are employed, they are to be wired all round with at least two belts of wire.

The outpost line is to be held as thinly as is compatible with security.

Reserve and

(ii) Support Systems: The Support and Reserve Systems are organised as a series of mutually supporting posts. In some places, these posts are connected by traffic trenches. The aim is to develop continuous and completely defensible lines as the labour available permits.

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Each system is covered by tactical wire, and protective wire is also employed to cover posts.

3. THE SECOND ZONE-

By reason of its position in this divisional sector, the Second Zone forms a system behind which Brigade and Divisional Reserves are sheltered.

In the event of the enemy breaking through the Forward Zone, the defences of the Second Zone will be held by the reserve troops of the division quartered in rear of the firing line system of the zone.

CHAPTER II

ALLOTMENT OF TROOPS.

1. Troops available:-

The troops available for the defence of the sector are -

1 Division.
1 A.F.A. Brigade.

2. Infantry.

The sector is divided into two brigade areas to each of which one Infantry Brigade is detailed. One Infantry Brigade is detailed as Divisional Reserve.

The inter-brigade boundary is the line PLUM Farm (Sq.O.22.b.90.65) - OOSTTAVERNE - ESTAMINET Corner visto Map 1.

Locations of headquarters of units are given in Appendix 1. Details of dispositions are . shown on Map No. 2.

3. Machine Guns; Four machine gun companies are available. Two machine gun companies are employed to cover the right half of the divisional front and two to cover the left half. In each case, one company is distributed in depth to forward positions for direct fire and one to positions in the reserve system. The latter is organised in batteries and employed for barrage fire. The lateral boundary between companies is the valley of the WAIBEEK.

Details of the dispositions are contained in Appendix 2.

Distribution of fire of batteries and S.O.S. barrage is given in Map No. 3.

4. Artillery;- (i) The right infantry brigade is covered by two brigades of field artillery.

- (a) The MESSINES Group. 1 Bdo. F.A.
(H.Q., T.6.c.15.15)
- (b) The OOSTTAVERNE Group, 1 Bdo. F.A.
(H.Q., N.29.c.5.8)

(ii) The left infantry brigade is covered by one brigade of field artillery, which constitutes the HOLLEBEKE Group (H.Q., N.18.b.7.3).

(iii) The dividing line between the MESSINES and OOSTTAVERNE Groups is the line of the BLAUWEPoORTBEEK as far west as O.33.b.6.4. thence to FANNYS FARM and MIDDLE FARM (both inclusive to the OOSTTAVERNE Group) and thence a line due west.

The dividing line between the OOSTTAVERNE and HOLLEBEKE Groups is the line O.23.a.80.95. Cross Roads O.21.b.65.75. to Cross Roads O.20.a.3.8. to N.23.central to N.22.central to Cross Roads N.21.d.3.3 to N.20.d.5.0. thence due west.

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(iv) Details of gun positions, allotment of tasks, etc., are given in the Artillery Defence Scheme.

(v) Distribution of fire of batteries and S.O.S. barrage are given on Map No. 3.

5. Heavy Artillery:- (a) The Division is chiefly concerned with the Corps H.A., H.Q. WESTHOFF Farm, T.19.c.40.15.

List of positions is given in Appendix 3.

(b) The Corps Heavy Artillery is composed of five groups, two of which are bombardment groups and three counter-battery groups. The Headquarters of the bombardment group affiliated to the Division is located at N.20.d.4.2. This group normally carries out bombardments requested by the Division.

6. Flying Corps:- The Corps Squadron Australian Flying Corps is at BAILLEUL.

7. Trench Mortars:- Details of the dispositions of L.T.M. Batteries are given in Infantry Brigade Defence Schemes. Details of the dispositions of Medium Newton and Heavy T.M. Batteries are included in the Artillery Defence Scheme.

The dispositions of Trench Mortars and arcs of fire and S.O.S. targets are shown on Map No. 4.

CHAPTER IIICO-OPERATION.1. Infantry and Artillery:-(i) Liaison:-

The C.O. MESSINES Group performs the duties of liaison at the Right Infantry Brigade Headquarters.

The C.O. OOSTTAVERNE Group performs the duty of liaison at the Left Infantry Brigade Headquarters. The C.O. OOSTTAVERNE Group is in direct telephonic communication with the C.O. MESSINES Group and HOLLEBEKE Group.

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

Battery Commanders visit Battalion Headquarters not less than twice a week. Battery officers visit the front line system of their zone not less than once a week.

(ii) Requests by the Infantry for Artillery support both from field and heavy artillery other than the "S.O.S" are made to Artillery Group Commanders. During the hours of darkness, the Liaison officer acts as adviser to the battalion headquarters in artillery matters.

The Liaison officer is in communication with his battery and group headquarters.

(iii) Location of Points:-

On request from an infantry officer, an artillery officer goes forward to the firing line system in order that the infantry officer may point out to him on the ground, as opposed to the map, points of interest such as hostile T.Ms., machine guns, etc.

2. Heavy Artillery:(i) Counter-battery:

The Counter-Battery office is at WESTHOFF Farm, T.19.a.40.15. All information of value is at once sent to the counter battery office, and when assistance is required, application is made to that office. The direction or location of the offending battery is given wherever possible.

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(ii) Group Demand for Counter Offensive:

When groups apply for counter-offensive, they state the definite situation and on what localities fire is needed.

(iii) Notification of Results of Fire:

It will always be borne in mind that the result of their fire is most valuable information to the heavy artillery, more particularly when they engage hostile batteries. This information is to be sent by units to the heavy artillery at once.

(iv) Back Areas:

If there is shelling of back areas or towns the responsibility rests with the Area Commandant or Town Major for giving the necessary information to Headquarters Divisional Artillery.

4. Flying Corps:

(i) The following Squads are allotted to groups for N.F. (fleeting opportunity) calls,-

HOLLEBEKE Group.	P.7.	P.13.
OOSTTAVERNE Group.	P.19.	P.25.
MESSINES Group.	P.31.	V.1. V.7.

(ii) The Squadron, Australian Flying Corps at BAILLEUL carries out all aeroplane work on the front covered by the Division.

Groups wishing to register any targets with aeroplane observation, apply to 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 shoot or have shot.

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SECTION 3.ACTION IN CASE OF ATTACK.CHAPTER I.1. PROBABLE FORMS OF ATTACK:

Three forms of attack must be anticipated.

(i) A minor attack in the form of a raid to secure identification or to seize a locality.

(ii) A general attack which may be

(a) A deliberate prepared attack with artillery bombardment.

(b) An attack without preparatory bombardment.

2. MINOR OPERATION:

(1) In order to deal with a minor attack, the following arrangements are in hand:

(a) Each artillery group has a forward O.P. which is in direct telephone communication with group headquarters.

(b) If the S.O.S. signal is sent up, the artillery opens on the usual S.O.S. barrage lines.

(c) In order to bring concentrated artillery fire to bear on the enemy raiders as soon as the locality on which the raid is being made can be determined, a special light signal is sent up from the company attacked. The signal is issued to and sent up by officers of the front line companies only.

If the special light signal is sent up, the artillery barrage is concentrated on the battalion front from which the signal appears. The C.R.A. will arrange for the liaison barrages of flanking artillery to cover the outer flanks of the division.

(d) The special signal to be employed is notified from time to time.

(ii) The extent and intensity of the enemy's bombardment should be an indication of his objective and in the event of any failure of the special preparations, careful observation of the hostile artillery fire may permit of bringing artillery fire to bear on the enemy's lines opposite the point raided. Should the enemy succeed in establishing himself in our lines, he is to be counter attacked immediately from both flanks and from the support trenches where such are in sufficiently close proximity. The counter attack is to be launched by the order of the commander on the spot - the company commander, platoon commander, section commander or oldest soldier of the party.

It is essential that the counter attack be delivered without delay to prevent the enemy consolidating.

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(iii) In any case, until the locality is retaken, it must be isolated and firmly held in a pocket until its recapture. The artillery will prevent German reinforcements coming up to support and the infantry must endeavour to locate and report the exact position held by the enemy so that our artillery may bombard the captured locality with precision. Artillery fire will not be opened on the lost locality without the sanction of the infantry commander concerned.

3. GENERAL ATTACK:

A general attack may assume two forms -

(i) One in which we are well informed of the enemy's intentions by means of his preliminary preparations. This attack will be preceded probably by an intense bombardment. The exact moment of such attack cannot be foreseen with certainty. The Defence Schemes of brigades and battalions lay down the role of all troops allotted to the defence of the Forward Zone in the event of a general attack. No ground is to be given up under any circumstances. The most forward portion of the defences must break up the enemy's attack. In the event of him breaking through the Outpost System, the direct fire machine guns which are distributed in depth must break up his attack.

If the enemy commences a general gas shell bombardment, all troops stand to and special officer observers are detailed. All headquarters will be warned. The officer on duty at all headquarters is responsible for questioning forward and flank headquarters with regard to any artillery activity that they may hear or observe.

(ii) The second form of general attack may be an attempt at surprise.

A surprise attack is possible, but very improbable, in this sector owing to the exceptional facilities for observation which we possess. It is unlikely to be successful unless accompanied by a considerable body of Tanks: the ground forward of our position is not suitable for the employment of Tanks in the winter. In the summer the facilities for observation are exceptionally good. The enemy is to be kept under careful and continuous observation and all signs of movement and unusual activity on his part are to be reported.

Brigades in the Line.

G.O.S.C. Brigades in the front line are responsible that the Forward Zone of the defences is maintained intact. As soon as it is ascertained that a hostile attack in force is being made, they will ensure that the units under their command take action in accordance with the Defence Schemes. Detailed schemes are drawn up by each brigade and battalion and those are to contain clear and concise instructions as to -

- {a} role of all units in a general attack.
- {b} distribution of troops to defences.
- {c} places of assembly.
- {d} roads from living places to places of assembly.
- {e} position of deployment in addition to places of assembly if required.
- {f} arrangements for counter-attack.

4. The Divisional Reserve:

The method of employment of the Divisional Reserve cannot be completely foreseen; G.O.C. Reserve Brigade will prepare schemes for the assembly of the Reserve Brigade as detailed below:

- (i) In the event of an attack on the northern flank, the

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Divisional Reservo assembled in concealed positions on that flank. If the assembly is ordered to take place by night, the assembly positions will be in the vicinity of ONRAET Wood. If the assembly is ordered to take place by day, the brigado will assemble under cover of the GRAND BOIS Spur. Headquarters Reservo Brigade will be established at WYTSCHAETE Dugout, Sq. O.19.d.10.85.

The arrangements for these movements will be worked out in detail and will be drawn up in Reservo Brigade Scheme "A"

(ii) In the event of a general attack on the Divisional front, the Reservo Brigade will be prepared to move to assembly positions in the vicinity of SPANEROTKOLEN. The arrangements for this move will be worked out and will be laid down in Reservo Brigade Scheme "B".

(iii) In the event of an overwhelming attack on the Divisional front, the Reservo Brigade may be required to man and complete the Firing Line System of the Second Zone; in this case it will be distributed as follows:-

Brigade H.Q.	WYTSCHAETE Dugout, Sq. O.19.d.10.85.
"A" Battn.	H.Q. to be selected by Reservo Brigade The River DOUVE to the BLAUWEPOORTBEEK.
"B" Battn.	H.Q. WYTSCHAETE Dugout, Sq. O.19.d.30.15. The BLAUWEPOORTBEEK to ESTAMINET Corner.
"C" Battn.	H.Q. ONRAET Wood - ESTAMINET Corner to ECKHOF Farm.
"D" Battn.	In reserve at SCOTT'S Farm.

The details of this scheme will be embodied in Reservo Brigade Scheme "C".

As defensive works on the System are completed they will be manned by nucleus garrisons from the unit detailed to the defence. A table showing those nucleus garrisons will be appended to the Reservo Brigade Defence Scheme "C".

The schemes for the Reservo Brigade will provide for all necessary action as to supplies, dumps, water supply, medical arrangements, routes, etc., and communication as far as possible.

6. Action of Working Parties:

(i) Working parties east of the KEMMEL - NEUVE EGLISE Road will always carry their arms with them.

(ii) Officers and N.C.O's in charge of working parties east of the Reservo Line will always have written instructions as to what to do in case of attack.

Working parties found by the infantry brigade in the line or from troops attached to those brigades will act as ordered by the G.O.C. the infantry brigade in the line.

(iii) Parties of the Reservo Brigade working forward of the line MESSINES - WYTSCHAETE - GRAND BOIS in the event of a general attack will occupy positions in the Firing Line System of the Second Zone. The Commander will report at once to the nearest Headquarters, and will send a signal message to his own Brigade Headquarters reporting his position.

In detailing working parties for work in the forward area from the Reservo Brigade, regard will be had to the location of the work in relation to the position to be occupied under Reservo Brigade Scheme "C", when determining the unit from which the working party is to be drawn.

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(iv) Troops will be instructed that as a general principle in default of orders, detached parties will occupy the nearest defences, report to and act under the orders of the nearest company, battalion or brigade commander in order to repel any sudden attack.

(v) Parties working in rear of the line MESSINES-WYTSCHAETE-GRAND BOIS will withdraw at once to their battalion assembly ground.

7. Action of Engineers and Pioneers.

(1) The action to be taken by the Tunnelling Coy. and attached personnel is given in Appendix No. 5.

(ii) Action of Pioneers:

(a) In order that the full strength of the Pioneer Battalion may be utilised to the best advantage the action as detailed below will be taken in the event of a hostile attack or general alarm.

Serial No.	Detail.	Action to be taken.	To report location and strength to.
1.	Pioneer Bn. H.Q. and Coy. at SPY FARM.	Assemble and stand to arms at SPY FARM.	Div. H.Q. when Bn. is ready to move.
2.	Coy. at LINDENHOEK.	do.	Pioneer Bn. H.Q.
3.	Two Coys. in N.24.0.	Stand to arms near KAEDELSTEDE FARM.	do.
4.	Two A.A. Lewis Guns from O.19.b.4.4.	do	Senior officer with the two companies.
5.	One gun from U.1.b.5.5.	As in Serial No. 1.	Pioneer Bn. H.Q.
6.	One gun from U.7.central.	do.	do.
7.	Railway parties.	Remain at present location.	
8.	Working parties forward of Firing Line System, Second Zone.	Man nearest defon- sive line or S.P. then as directed by Bn. Commander. to whom report is made.	Nearest Bn. H.Q.
9.	Working parties in rear of Firing Line System, Second Zone.	Assemble with their Companies.	

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(b) The remaining four guns on A.A. duty will remain at their present location and will act under the orders of the Commander of the Battery to which they are attached. These are located as follows:

Two at O.19.b.4.4.
One at U.1.b.5.5.
One at U.7.contral.

(e) Before commencing any new work in a battalion sector the officers and N.C.Os I/C of parties provided for in para. 1 Serial No. 8. will report for instructions as to their action in case of alarm to the Battalion Commander in whose Sector they are to work.

(iii) Action of Engineers.

Action of Engineers working forward of the Second Zone will be detailed in Infantry Brigade Defence Schemes.

Engineers working in rear of the Forward Zone will withdraw to their company parade grounds and await orders of C.R.E.

CHAPTER II.

"S.O.S." ARRANGEMENTS.

1. (a) The 'S.O.S' signal denotes that the enemy is actually attacking. It calls for immediate fire from the whole of the artillery and machine guns upon their S.O.S. barrage lines (Vide map 3). Supplementary to the S.O.S. signal message, a special light is sent up. The nature of this light is notified from time to time.

(b) Code Calls: When the signal message is sent by the infantry the following code is employed -

By Right Bn. of Right Brigade	S.O.S. MESSINES Right.
Right Contro Bn. "	S.O.S. MESSINES Left.
Loft " "	S.O.S. OOSTTAVERNE Right.
Loft Bn. "	S.O.S. OOSTTAVERNE Left.
Right Bn. Loft Brigade.	S.O.S. HOLLEBEKE Right.
Left " "	S.O.S. HOLLEBEKE Loft.

2. Field Artillery:

(a) Rates of Fire:- For 18 Pdr. Batteries the rates of fire are as follows:-

3 rounds per gun per minute for 5 minutes.
2 " " " " " " 5 "
1 " " " " " " 5 "

and then cease.

If the S.O.S. Signal or message is repeated after the opening of fire, the initial rate of fire will be reverted to at once and the whole procedure carried out as above. Each successive signal or message will be answered by 15 minutes fire.

The artillery acts on seeing the prescribed rocket signal whether the telephone is working or not. Telephone lines to the infantry are to be tested at least every half hour during the day or night. The night sentry is always to be on the lookout for the rocket signal.

At each 18-pounder gun pit, 20 rounds are kept distinctly .. labelled "S.O.S" with fuses correctly set. Field Howitzers will bombard specially selected points as laid down for their S.O.S. lines.

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3. Heavy Artillery:-

The heavy artillery fire on S.O.S. lines on a request being made to them - they do not open fire on a rocket signal. A request for fire for S.O.S. purposes from heavy artillery will be made through Divisional Artillery Headquarters, or may be made direct by a group commander in which case Divisional Artillery Headquarters is to be at once informed.

The rates of fire for heavy artillery are as follows:-

For first 5 minutes - 3" How. 1 Rd. per gun per minute.
8" and 9.2" Hows. $\frac{1}{2}$ Rd. per gun per minute.

For next 10 minutes - Half the above rates, then one Rd. per battery per minute until the situation is clear.

4. Infantry Relay Posts:-

In each Brigade area a system of S.O.S. Relay Posts has been established in order to ensure that the enemy does not take advantage of foggy weather to launch a general attack. These posts are shown in Map No. 2.

Each post is to be given written orders as to its duties, system of sentry reliefs, etc., During foggy weather sentries will be posted continuously day and night.

CHAPTER III.GAS ATTACK.

1. Action to be taken in the event of a gas attack is laid down in "Standing Orders for Defence against Gas", and G.S. Nomos issued from time to time.

2. On the approach of a gas cloud, warning will be given by priority signal message. The message will be in the following form:-

Example.

Address to	{	3rd Aust. Brigade.
Text.	{	Gas O.29.a.
Sender.	{	12th Battalion.

3. Distribution of gas appliances is shown in Map 5.

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CHAPTER IV.ARRANGEMENTS FOR DEALING WITH TANK ATTACKS.1. ANTI-TANK POSITIONS.

(a) In order to deal with possible hostile tank attacks, positions have been reconnoitred for ANTI-TANK GUNS to protect the Divisional front and emplacements are prepared.

(b) 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.

(c) In each group one 18 pdr. gun is held off as an ANTI-TANK GUN, and one officer is also detailed, who in case of necessity, will take command 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.

(d) 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 the occasion arise.

(e) Positions allotted are as follows:-

MESSINES GROUP.	Location.	Normal Arc.	Remarks.
MESSINES GROUP.	1.U.4.a.1.4.	700-1250	(dead ground
	2.O.53.d.contral.	750-1300	in U.5.c.&
OOSTTAVERNE GROUP.	3.O.32.d.95.55.	700-1200	d, U.6.a.&c.
	4.O.28.a.Q5.15.	400-1000	
HOLLEBEKE GROUP.	5.O.10.c.8.2.	450-1100	(dead ground
	6.O.15.d.8.5.	650-1300	in O.17.d

(f) 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.

2. Action under (e) and (f) above are only to be taken as an extreme measure.

It will be a matter of great difficulty to move these guns over the MESSINES-WITSCHAETE Ridge and emplace them on the eastern slopes by day.

As soon as guns can be made available they will be permanently emplaced in positions laid down.

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SECTION 4.COMMUNICATIONS.

1. Communication on the Divisional front is being maintained by the following methods:-

- (a) Telegraph and telephone.
- (b) Visual.
- (c) Amplifier and Power Buzzer.
- (d) Wireless.
- (e) Runners and despatch riders.
- (f) Pigeons.

2. Telegraph and Telephone. From Divisional Headquarters Telegraph by Sounders and Telephone Communication is by buried Cable to each Brigade Headquarters in line (Right Brigade T.C.C.5.8, Left Brigade N.29.C.4.4) and to Reserve Brigade Headquarters. Each brigade in line is connected to all its Battalion Headquarters by buried cable, and each battalion has communication to all its companies by ground lines. All Brigade and Battalion Headquarters in line on the Divisional front are connected laterally by buried cable, and communication by buried cable is also established with Brigades and Battalions in line of Left and Right Division.

All circuits used are metallic, and forward of Left and Right Brigades fullerphones are used.

3. Visual. A Divisional Visual Station is located on MONT KELMEL below the Tower at N.26.b.2.S. and is connected by telephone to Divisional Headquarters. This station is in communication with Visual Stations of Left and Right Brigade Headquarters, and with Left Brigade Forward Visual Station, and SPANBROOKMOLEN.

Brigade Visual Stations are in communication with Stations in the forward area as shown on attached diagram.

4. Wireless. Wireless Stations are established at the following locations:-

Advance Left Battn. Left Brigade.	U.10.d.2.5.
Left Brigade Headquarters.	N.29.C.5.5.
Right Battn. Right Brigade.	U.10.a.0.7.

These are in communication with each other and also with Corps Directing Station, Divisional Headquarters at DRANOUTRE.

5. Power Buzzer and Amplifier:- Power Buzzer and Amplifier Stations are located as follows:-

Advance H.Q. left Battn. Left Brigade	U.10.d.2.5.
Left Brigade forward station Left Bdo.	O.27.a.3.6.
Right Company or Contre Battn. Right Bdo.	O.28.b.45.00.

Left

6. Despatches:- Despatches are taken by Motor Cyclists from Divisional Headquarters to Reserve Brigade Headquarters, and both Brigade Headquarters in the line.

From Brigade Headquarters, runners take despatches forward to Relay Posts, and from here they are distributed to Battalions in the line. Relay Post for Left Brigade is located at O.19.d.9.7. Relay Posts for Right Brigade are located at O.32.d.5.9. and U.8.b.9.9.

7. Pigeons:- Corps Loft for Division is situated at DRANOUTRE. From here two birds per battalion in line are taken by Motor Cyclists to both Left and Right Brigade Headquarters. Brigade Pigeoneers take pigeons forward to Battalion Headquarters.

8. Diagrams:- Diagram of all communications is attached.

APPENDIX 21

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SECTION V.SPECIAL UNITS.

1. An Australian Squadron R.F.C. is covering the Corps front, The headquarters and aerodromes at BAILLEUL Sheet 28, S.14.d.8.7.

Besides the normal patrols and tasks one aeroplane is detailed to patrol the Corps front line at a low altitude from dusk to dark every day, weather permitting; the line will also be patrolled at a low altitude from dawn until it is full light. The duties of the above are:-

- (a) To attack any E.A. approaching our lines at a low altitude.
- (b) To attack with H.G. fire and bomb the enemy front line garrison.

2. One Kite Balloon Section, R.F.C. is attached to the Corps; Headquarters Sheet 28, B.22.a.

3. One Tunnelling Company is attached to the Division, Headquarters are situated at Sheet 28, T.9.a.4.0. Parties are attached to this Company from all units while the division is in the area.

APPENDIX 24

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SECTION VI.WORK POLICY.1. RESPONSIBILITY.

(a) The Division is responsible for the organisation and preparation of

(i) The Forward Zone.

- (a) Outpost System.
- (b) Support System.
- (c) Reserve System.

(ii) The Second Zone.

(a) Firing Line System.

Brigades in the line are responsible for the preparation of the

Forward Zone (a) Outpost System.
(b) Support System.

Alterations affecting the organisation of any part of the Forward Zone are to be submitted for approval to Divisional Headquarters.

(iii) Instructions are issued from time to time as to the responsibility and allotment of troops for the preparation of

- (a) Forward Zone Reserve System.
- (b) Second Zone Firing Line System.

(iv) Work on all Systems is to proceed simultaneously.

(v) C.R.E. is responsible for the distribution of Engineers and for the technical supervision of all field works. He will arrange for a complete system of liaison with brigades and battalions in the line.

(vi) Commanding Officers of Infantry units are responsible for detailing working parties for their allotment to tasks in co-operation with the engineer liaison officer, and for their arrival with necessary tools at the time and place appointed.

Working units will be detailed, not working parties, unless the strength is less than 20.

Commanding officers of infantry units are responsible for the maintenance of communication trenches and duck-walks in their area. They will consult the engineer officer working with them as to work on these.

2. PRINCIPLES OF WORK:

(i) Work will be allotted as piece work. Troops are marched home at once on completion of the allotted task to the satisfaction of the supervising engineer officer.

(ii) Parties will be allotted permanently to each task until the task is completed. If the party is relieved for a special reason e.g., on taking over garrison duty in the front line, its relief will remain permanently until the task is completed.

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(iii) When working units are relieved by incoming units, representatives of the incoming unit will arrive one day before taking over and will be present at each task which is being carried out by the working unit.

3. ENGINEER DISTRIBUTION:

The Area is divided into three sub areas to each of which one field company is allotted. These are described for engineer work as:-

Right Sub Area.
Centre Sub Area.
Loft Sub Area.

The Eastern and Western boundaries of these sub-areas will be Outpost Line and Western Divisional boundary respectively. The Northern and Southern boundaries between sub-areas will be as follows:-

Right Sub-area	-	Southern Boundary:- The Southern Divisional boundary.
		Northern boundary :- The BLAUWEPoORTBEEK Westwards to O.33.a. 9.9. thence to cross roads at N.36.b. 2.9. thence to DAYLIGHT CORNER at N.33.d.1.5. and thence due West to the Divisional boundary.
Centre sub-area.	-	The Northern boundary of the Right sub-area as described above.
		Northern boundary :- From O.23.a. 90.95 due West to Cross Roads at OOSTTAVERNE (O.21.b.65.75), thence a direct line to the cross roads at O.20.a.3.8. - N.23.central - N.22. central - cross roads N.21.d.3.5. - N.20.d.5.0. and thence a line running due West to the Divisional boundary.
Loft sub-area.	-	Southern Boundary:- The Northern boundary of the Centre sub-area as described above.
		Northern boundary :- The Northern Divisional boundary.

(ii) The dividing line between the Forward and back areas will be the STEENBEEK from the Southern Divisional Boundary (about U.8.central) to N.30.b.15.75 thence due North to WYTSCHAEDE BEEK and thence along the WYTSCHAEDE BEEK to the Northern Divisional boundary at N.12.Central.

4. PIONEERS:

The Pioneer Battalion is responsible for putting all communication trenches in such condition that a hard and dry walk is provided to the front line. They will then hand over the communication trenches to the respective brigades who become responsible for their upkeep.

The Pioneers maintain Divisional Tramways and convert them to mule haulage where possible.

Camouflage is a Pioneer responsibility under the direction of the General Staff.

5. ENGINEER DUMPS:

Main Engineer dumps are allotted as follows:-

- (i) Right Sub area - Currie Dump (T.12.b.4.4)
- (ii) Centre " " - Railway Dump (O.20.c.2.3)
- (iii) Loft " " - Parma Dump (N.12.c.5.0)

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The Dump at LINDENHOEK is controlled by the Pioneer Battalion as a Divisional Hutting Dump and for material for the back areas.

6. ORDER OF WORK:

The order of importance of work on all systems is:

- (i) Selection of sites for H.G. emplacement and marking out lines of fire.
- (ii) Wiring - Tactical Wire should be laid out so as to be enfiladed by machine guns, without discovering their positions if possible.

Each defensive system will be covered by protective wire concealed where possible.

(iii) Provision of accommodation. This must be splinter proof and where possible shell proof.

(iv) Provision of machine gun emplacements.

(v) Construction of strong points and defended localities. These are constructed with a view to

(a) defence in depth.

(b) development into continuous trenches.

Connecting trenches are to be spitlocked in the first place.

Accommodation for the proposed garrison will be constructed simultaneously with the construction of the work.

(vi) Provision of battle headquarters.

7. NOTICE BOARDS:

(a) All Strong Points must be clearly marked. The flanks of each Strong Point should be marked and boards showing the exact direction of the next Strong Point on each side should be shown.

(b) Direction boards are to be placed at the intersection of the Reserve and Support Lines with all Duckboard tracks, tramways, Roads and any other tracks. They should contain the information that it is the Reserve or Support Line and the direction of the nearest Strong Point and its number should also be given.

(c) In the case of Duckboards and Tramways, notices should be placed at any junction or important points stating the name of the track and to where they lead.

(d) All dumps and other important points should also contain notice boards and the direction of Battalion and Company Headquarters should also be given.

The name of any unit is not to appear on any notice board. Where necessary the position may be indicated thus "Loft Bdo. Hdqrs".

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SECTION VII.ADMINISTRATION.1. Organisation of Divisional Area.

The Divisional Area is divided into three forward areas and four rear areas.

The Forward areas are each under a sub-area Commandant (appointed by the Division) and the rear areas are each administered by an Area Commandant appointed by the Corps.

The boundaries of these areas are shown on Map No. 6.

Forward Sub Areas.

MESSINES.
RED CHATEAU
GRAND BOIS.

Headquarters of Sub Area Commandant.

WULVERGHEM.
KEMMEL.

Rear Areas.

KEMMEL.
BVAVER.
WULVERGHEM.
DRANOUTRE.

Headquarters of Area Commandant.

DRANOUTRE.
LOCRE (Hospico)
NEUVE EGLISE.
DRANOUTRE.

2. Accommodation.

The Camps in the Divisional Area are shown on Map, No. 6.

The accommodation available in each of these camps is set out in Appendix No. 6.

3. Supplies.

(i) Railhead. BRULOOZE.
(ii) Rations are drawn from Railhead by Train Transport and conveyed to the following dumps :;

Location.	Name of Dump.	Units supplied.	Method of Transport from Dump to Unit
1.N.25.a.9.6.	Divisional Troops.	Divisional troops and Army Artillery.	Divisional Train Transport.
2.M.36.c.2.6.	Reserve Brigade.	Reserve Bdo. Group less 2 battalions; plus 2 left Battalions of Right Bdo.	Divisional Train Transport.
3.N.33.c.8.8.	Right Brigade.	Right Brigade Group less 2 battalions; plus 2 battalions Reserve Brigade.	2 Right Battns. in line and 2 Reserve Battalions in WULVERGHEM Are by Light Railway and Tramway. Remainder by 1st Line Transport.
4.N.27.a.8.2.	Left Brigade Group.		4 Battalions by Light Railway & Tramway. Remainder by 1st Line Transport.

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(iii) Reserve Rations:
The following stores of Reserve Rations are kept as under:-

Right Brigade Sector.	{	U.3.d.5.5.5	1500 rations.
		0.54.b.1.1.	1500 "
		0.28.b.8.1.	1000 "
		0.22.d.2.4.	450 "
		0.22.d.9.4.	500 "

Left Brigade Sector.	{	0.23.a.3.8.	1000 "
		0.21.b.2.4.	500 "
		0.20.b.1.2.	450 "

4. Water.

Water in the Forward Area is obtained from 2 sources:-

- (i) Water Points at the end of pipe lines supplied from Reservoirs in rear.
- (ii) Tasted wells.

The following are the locations, number and names of Forward Water Points and Tasted Wells in each Brigade Sector:-

Right Brigade Sector.

<u>Map Location.</u>	<u>Nature of Supply.</u>	<u>Name.</u>
U.3.c.8.8. 0.35.c.4.2.	Tasted Well. Water Point.	SCHNITZEL Farm. MESSING Tank.

Left Brigade Sector.

* 0.20.d.2.5.	Water Point 93	TO REKEN Farm.
0.21.c.8.8.	Tasted Well.	
0.14.c.4.3.	Water Point 100	ONRAET WOOD.
0.16.a.8.6.	Tasted Well.	ROSE WOOD.
0.10.d.1.5.	Tasted Well.	RAVINE WOOD.
0.9.d.5.4.	Water Point 106	

All water required forward of the above locations has to be manhandled.

* This pipe line is being extended to VERNE Dump in 0.21.Central.

Map No. 7. shows all water points, pipe lines and tasted wells in the Divisional Area.

5. Ammunition: (S.A.M., Bombs., Stokes Mortars, etc.)Divisional Dumps:

1. La POLKA - N.21.d.7.3.
2. SOUVENIR - T.5.d.5.8.

Brigade Dumps.

1. Right Sector.

SCHNITZEL Dump	-	U.3.c.9.1.
MOULIN Dump.	-	U.2.a.7.9.
PICKHOUSE Dump	-	0.28.a.6.5.
VERNE Dump.	-	0.21.Central.
2. Left Sector.

ONRAET WOOD	-	0.14.c.4.4.
CLANKE Dump.	-	0.15.a.1.4.

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The Divisional Dumps are controlled and manned by D.A.C. personnel. All detonation of Grenades and Trench Mortar Ammunition is done at the Brigade Dumps. No detonated ammunition is kept at the Divisional Dumps.

Method of Supply.

Ammunition is delivered to Brigade Dumps by D.A.C. Ammunition is sent forward from Divisional Dumps to SCHNITZEL Dump, PICKHOUSE, ONRAET WOOD and CLARKE Dump by Light Railway and Tramway. For conveyance of Ammunition to MOULIN and VERNE Dumps, D.A.C. or 1st Line Transport is used.

Ammunition is sent forward from Brigade Dumps to Battalion Dumps of the 2 right battalions and left battalion in the line by Light Rail and Tramway. All other ammunition is carried by man power forward of Brigade Dumps.

6. Medical Arrangements:

	R.A.Ps.	RELAY BEARER POSTS.
LEFT SECTOR.	RAVINE 0.10.a.2.5.	(CABARET CORNER, 0.15.a.9.1. (ONRAET FARM 0.14.c.5.8.
	VERNE ROAD, 0.21.Central. (CABIN HILL, 0.33.b.1.9.	(WHIZZBANG, (LUIM FARM. 0.27.c.3.0. 0.26.d.2.8.
RIGHT SECTOR.	{ MOLLYS POST. 0.34.a.9.1. (BONDS POST. U.10.a.2.9.	(FANNYS POST. 0.33.b.5.4. (SWAINS POST. 0.32.Central (R.E.DUMP. 0.31.c.3.4. (CLAYTONS POST. U.8.b.8.8. (GOOSEBERRY FARM. U.7.b.5.8.
RIGHT SECTOR.	Wagon Loading Post.	BOYLES FARM. U.1.c.1.9.
A.D.S.	Left Sector. Right Sector.	WYTSCHAETE. 0.19.d.2.8. KANDAHAR FARM. T.10.b.8.7.
A.D.S.		YONGE STREET. N.29.a.2.6.

Evacuation of wounded.

LEFT SECTOR,	From RAVINE R.A.P. to A.D.S. by light railway trolley.
	" VERNE ROAD to A.D.S. by wheeled stretcher or hand,
	" CABIN HILL, to LUIM FARM by hand, then to A.D.S. WYTSCHAETE by wheeled stretcher or hand.
RIGHT SECTOR,	From MOLLYS POST to FANNYS POST, by hand, to BOYLES FARM, by trolley. to A.D.S. by car.
	From BONDS POST, to GOOSEBERRY FARM, by trolley. to BOYLES FARM, by hand. to A.D.S. by car.

APPENDIX

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7. Traffic Control Posts:

Location.	Nature of duties	Hours of duties.
M.35.d.10.5.	Traffic Control.	7 a.m. to 9 p.m.
M.35.d.10.7.	" "	7 a.m. to 7 p.m.
M.36.c.5.5.	" "	" " "
N.19.c.8.0.	" "	" " "
N.21.c.9.6.	" "	" " "
N.21.d.4.4.	" "	" " "
N.27.c.9.2.	" "	" " "
N.27.c.9.8.	" "	" " "
N.33.a.1.6.	" "	" " "
N.33.c.9.8.	" "	" " "
N.35.d.1.5.	" "	" " "
S.5.b.9.5.	" "	" " "
T.5.c.6.9.	" "	" " "
M.24.d.5.7.	Level Crossings.	{ 7 a.m. to 7 p.m.
M.30.b.3.7.	" "	or in accordance
M.36.b.4.8.	" "	with Railway Time
T.5.c.3.5.	" "	Table.
N.18.b.1.3.	Daylight Control.	During daylight.
N.24.d.2.4.	" "	" "
N.36.c.2.8.	" "	" "
O.19.c.5.6.	" "	" "
O.19.c.9.4.	" "	" "
T.12.b.9.5.	" "	" "
T.6.c.7.7.	" "	" "

8. Battle Stragglers Posts:-

(i) In case of Active Operations, Battle Stragglers Posts will be at the following locations:-

O.8.a.7.7.
O.14.a.6.2.
O.19.b.5.2.
O.19.d.5.7.
N.36.b.3.8.
T.6.c.7.7.
T.12.b.9.5.

(ii) Advanced Straggler Collecting Stations:-

Left Sector	O.19.b.4.0.
Right Sector.	T.5.d.9.4.

9. Prisoners of War Collecting Stations:-

Advanced Right Sector	T.5.d.9.4.
Left Sector	O.19.b.4.0.
Divisional Cage.	M.35.d.0.2.
Corps Cage.	S.8.d.8.7.

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SECTION VIII.

TRAINING.

The whole available man power of the Division is employed either in holding the line or in the construction of accommodation and defence works and training is limited therefore to individual instruction in Schools and Classes.

Facilities for training which exist in the Divisional area are shown in detail in Appendix No. 7. and on Map No. 8.

Classes for the instruction in all Infantry subjects for junior N.C.O.'s are held in each Brigade. Divisional classes are held for training Regimental Signallers, Power Buzzor Operators and Pigeon men. For this last the lofts at DRANOUTRE are available.

APPENDIX.

APPENDIX No. 1.LOCATION OF HEADQUARTERS OF UNITS ETC.

DIVISIONAL HEADQUARTERS.	ULSTER CAMP.	DRANOUTRE.
RIGHT BRIGADE H.Q.	MIDLAND FARM	T.6.c.6.6. U.4.c.4.2. O.34.b.2.3.
"A" Battalion.	LUM FARM	O.26.d.1.7. O.20.d.2.3.
"B" Battalion.	TORREKEN FARM	O.3.a.1.1. U.3.a.1.1.
"C" Battalion.		U.3.a.1.1.
"D" Battalion.		
H.G. Company.		
T.H. Battery.		
LEFT BRIGADE H.Q.	ONRAET FARM	N.29.c.4.5. O.20.b.2.3.
"A" Battalion.	WYTSCHAETE	O.14.a.2.1. O.19.d.2.8.
"B" Battalion.	SCOTT FARM	O.25.a.45.65.
"C" Battalion.	DENYS FARM	O.15.b.6.6.
"D" Battalion.	DERRY HOUSE	O.27.a.3.6.
H.G. Company.		
T.H. Battery.		
RESERVE BRIGADE H.Q.	RAMILLES CAMP	KERMEL N.27.b.1.5.
"A" Battalion.	GABLE FARM	T.5.a.1.6.
"B" Battalion.	WULVERGHEM	T.6.c.1.2.
"C" Battalion.	RAMILLES CAMP	KERMEL
"D" Battalion.	ROUSIGNOL CAMP	KERMEL
H.G. Company.	DESPAGNE FARM	O.33.b.50.85.
(LINE)		
Divisional H.G. Company.	LEG COPSE	O.20.b.3.5.
O.R.E.	ULSTER CAMP	DRANOUTRE.
Field Companies.		{ N.28.a.8.4. N.28.c.2.6.
A.D.M.S.	ULSTER CAMP	{ N.33.c.6.9. DRANOUTRE.
Field Ambulances.		{ N.29.a.2.6. DRANOUTRE.
Pioneer Battalion.		{ LOCRE.N.29.b.2. N.28.c.8.6.
Divisional Train.		DRANOUTRE.
A.S.C. Companies.		{ N.19.c.0.7. N.19.c.0.4.
D.H.G.O.	ULSTER CAMP	{ N.19.c.0.4. DRANOUTRE.
A.P.K.	ULSTER CAMP	DRANOUTRE.
D.A.D.O.S.		DRANOUTRE.
Mobile Vet. Section.		H.35.d.5.3.
Divisional Supply Column.	Shoot 27	X.24.a.1.5.
Divisional Salvage Company.		M.36.c.0entral.

TRANSPORT LINES.

LEFT BRIGADE.	N.34.b.8.5.
"A" Battalion.	
"B" Battalion.	N.32.b.0entral
"C" Battalion.	
"D" Battalion.	N.33.a.7.5.
H.G. Company.	

P.T.O.

APPENDIX 21

RESERVE BRIGADE.

"A" Battalion.
 "B" Battalion.
 "C" Battalion.
 "D" Battalion.
 M.G. Company.

near KEMMEL CHATEAU.

HILLSIDE CAMP T.14.d.2.9.

" " "

near KEMMEL CHATEAU

" " "

" " "

RIGHT BRIGADE.

"A" Battalion.
 "B" Battalion.
 "C" Battalion.
 "D" Battalion.
 M.G. Company.

LILLO FARM T.9.d.6.3.

HILLSIDE CAMP

HILLSIDE CAMP.

KEMMEL.

KEMMEL.

HILLSIDE CAMP.

T.14.d.2.9.

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DIVISIONAL ARTILLERY.Reference Maps 1 - 40,000. Sheet 28.C. R. A.ULSTER CAMP.DRAFOURE.

GROUP.	UNIT.	GUNS.	POSITION.	WAGON LINE S.
(Messines Group)	Headquarters.	-	T.1.c.15.75.	T.20.a.8.0.
	A Battery.	6	U.1.a.70.39.	T.20.a.8.0.
	B Battery.	6	U.13.a.80.80.	N.21.c.8.5.
	C Battery.	4	O.31.a.55.05	T.20.c.2.2.
		2	O.31.b.90.45	
	D How.Battery.	6	U.7.d.09.70.	T.26.b.5.5.
(Oosttaverne Group)	Headquarters.	-	N.29.c.5.8.	N.33.c.9.7.
	A Battery.	4	O.25.b.30.35	T.3.b.3.9.
		2	O.23.c.55.95	
	B Battery.	3	O.25.b.70.40	N.33.c.7.7.
	C Battery.	3	N.30.d.90.90	N.27.c.4.8.
		3	N.30.d.70.50	
	D How.Battery.	6	O.19.b.15.50	S.12.a.8.5.
(Holleboke Group)	Headquarters.	-	N.18.b.90.25.	N.20.d.8.1.
(Army) Bde.	A Battery.	6	O.9.a.50.30.	N.20.a.7.3.
	B Battery.	6	O.7.d.55.05.	N.32 (Central)
	C Battery.	6	O.8.d.40.11.	N.32.Central.
	D How.Battery.	6	O.14.b.20.35.	N.32.Central.
D.A.Column.	Headquarters.		S.5.b.Central.	
	No.1.Section.		S.6.a.2.8.	
	No.2.Section.		S.5.b.Central.	
	S.A.A.	"	S.5.b.8.5.	
(Army) B. A. C.			N.32.Central.	
Tronch Mortar Batteries.	D.T.H.O. H.T.H.Bty. H.T.L.Bty. M.T.H.Bty. H.T.M.Bty.		PARMA DUMP. In Line. " " " " T.M.Reserve Camp.	N.18.b.2.7. S.5.d.7.7.

APPENDIX.

APPENDIX No. 2.MACHINE GUN DEFENCE.

1. The Divisional Sector is divided into two sub-sectors for machine gun defence, the WAMBEEK forming the dividing line.

In each sub-sector there are two M.G. Companies, one providing all direct fire guns distributed in depth, the other providing three batteries, one of six guns and two of four guns each. Those batteries are on points of tactical importance. They are only to be used when the S.O.S. Signal is sent up or when the enemy makes a general attack or when ordered by the Infantry Brigade Commander to deal with enemy concentrations.

2. Right sub-sector.

In the Right sub-sector the distribution is as follows:-

(1) Forward or Direct fire company.

Advanced Coy. H.Q.	DESPAGNE FME. 0.33.b.50.90.
Rear	BULLY BEEF FME. N.29.c.1.9.

Guns are located as follows:-

U.5.c.10.35.	0.34.d.70.70.	0.28.a.40.05.
U.4.d.60.65.	0.35.a.20.05.	0.28.a.25.30.
U.5.a.20.70.	0.33.b.50.90.	0.28.b.50.10.
U.5.a.35.75.	0.27.d.60.05.	0.21.c.90.25.
0.34.d.75.60.	0.27.d.40.65.	

with two guns in reserve at Rear H.Q. N.29.c.1.9.

(ii) The Rear or Battery Company of the Right sub-sector is distributed as follows:-

Advanced Coy. H.Q.	located at U.3.a.15.10.
Rear	" " " HILLSIDE CAMP, NEUVE EGLISE.

A 6 gun battery is located at U.4.a.45.65.
A 4 " " " " " 0.33.d.08.10.
A 4 " " " " " 0.27.a.35.50.

and two guns in reserve at HILLSIDE CAMP from where, in the event of a general alarm, they move forward to U.4.a.45.65. where positions have been constructed for them.

This battery Coy. is responsible for the S.O.S. barrage between 0.36.c.65.05 and 0.36.a.10.05.

3. Left sub-sector.

In the Left sub-sector the distribution is as follows:-

(1) Forward or Direct fire company.

Advanced Coy. H.Q.	located at DENYS FME 0.15.b.60.65.
Rear	" " " LA POLKA, KEMMEL.

Guns are located at:-

0.22.d.55.30.	0.15.b.90.70.	0.11. Central.
0.21.b.70.00.	0.15.b.90.95.	0.11.a.05.35.
0.23.a.20.60.	0.10.d.20.70.	0.11.a.05.45.
0.21.b.90.90.	0.10.d.90.60.	0.9.b.25.65. A.A.
0.16.c.55.45.	0.10.b.40.20.	

APPENDIX

(2)

and two guns in reserve at Rear Coy. H.Q., KEMMEL.

(ii) The Rear or Barrage Coy. Loft sub-sector is distributed as follows:-

Advanced Coy. H.Q. located at LEG COPSE, O.20.b.G.5.
Rear " " " " N.21.b.O.2. (KEMMEL)

A six gun battery is located at O.10.b.45.45.

A four " " " " 0.16.c.68.95.

A four " " " " 0.21.b.30.20.

and two guns in reserve at N.21.b.O.2 (KEMMEL) from where, in the event of a general alarm, they move forward to U.4.a.45.65 where positions have been constructed for them.

This battery Company is responsible for the S.O.S. barrage between O.17.d.90.00. and O.18.a.10.00.

4. General action of Barrage Guns.

Batteries are not used for nightly harrassing fire as all positions are under direct enemy observation.

All batteries are connected by telephone to respective Coy. H.Q. which in their turn are connected with the two forward brigades in the divisional sector.

Batteries are lettered from Right to Loft as follows:-

B.C.D.E.F.&G.

B.C.&D. barrage area between O.35.c.05.55. & O.36.a.10.05.

E.F.&G. " " " 0.17.d.87.00. & O.18.a.10.00.

In addition to all bolt boxes 10,000 rounds bulk S.A.A. per gun are kept at battery positions, this must always be kept up. At each Battery position there is good accommodation handy for bolt fillers.

In the event of a general attack batteries will continue to fire on their S.O.S. lines. If however the enemy attack meets with considerable success and they have penetrated beyond the support

The appended will be added to "B" Divisional Defence Scheme, Appendix II Machine Gun Defence para 4.

Addendum.

"No alteration will be made in the barrage lines of Machine Gun Batteries unless the barrage lines of the artillery are altered when the barrage line of machine gun batteries will be altered in cooperation as may be directed by Infantry Brigade Headquarters or Divisional Headquarters".

5. General action of Direct fire guns.

These guns are well sited for defence. They are distributed in depth and cover the whole of the ground on the divisional front by direct fire.

They carry out all harrassing fire programmes. Each has its own S.O.S. line distributed along the whole of the Divisional front (with the exception of the sectors barraged by Machine Guns).

Guns have an allotted sector of 300 yards each and are employed to supplement the artillery barrage.

Every gun has an alternative position not closer than 100 yards from the Battle emplacement.

In every instance there is good accommodation for the gun teams.

(1)

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and two guns in reserve at Roar Coy. H.Q., KEMMEL.

(ii) The Roar or Barrage Coy. Left sub-sector is distributed as follows:-

Advanced Coy. H.Q. located at LEG COPSE, O.20.b.6.5,
Roar " " " " N.21.b.0.2. (KEMMEL)

A six gun battery is located at O.10.b.45.45.

A four " " " " 0.16.c.88.95.

A four " " " " 0.21.b.60.20.

and two guns in reserve at N.21.b.0.2 (KEMMEL) from where, in the event of a general alarm, they move forward to U.4.a.45.65 where positions have been constructed for them.

This battery Company is responsible for the S.O.S. barrage between 0.17.d.90.00. and 0.18.a.10.00.

4. General action of Barrage guns.

Batteries are not used for nightly harrassing fire as all positions are under direct enemy observation.

All batteries are connected by telephone to respective Coy. H.Q. which in their turn are connected with the two forward brigades in the divisional sector.

Batteries are lettered from Right to Left as follows:-

B.C.D.E.F.&G.

B.C.&D. barrage area between 0.35.c.05.55. & 0.36.a.10.05.

E.F.&G. " " " 0.17.d.87.00. & 0.18.a.10.00.

In addition to all bolt boxes 10,000 rounds bulk S.A.A. per gun are kept at battery positions, this must always be kept up. At each Battery position there is good accommodation handy for bolt fillers.

In the event of a general attack batteries will continue to fire on their S.O.S. lines. If however the enemy attack meets with considerable success and they have penetrated beyond the support system their direct fire will be brought to bear.

Battery positions are secret and all new works during progress of construction and after completion are to be completely camouflaged.

Complete fighting maps are to be made out for each battery position so that any targets within the 2,900 yards limit may be engaged without loss of time.

Alternative battery positions have been selected in the vicinity of U.3.b.5.2., 0.33.Central., 0.27.c.9.5., 0.21.b.0.5., 0.15.b.5.8., and 0.9.d.95.20., which are all situated close to buried cables.

5. General action of Direct fire guns.

These guns are well sited for defence. They are distributed in depth and cover the whole of the ground on the divisional front by direct fire.

They carry out all harrassing fire programmes. Each has its own S.O.S. line distributed along the whole of the Divisional front (with the exception of the sectors barraged by Machine Guns).

Guns have an allotted sector of 300 yards each and are employed to supplement the artillery barrage.

Every gun has an alternative position not closer than 100 yards from the battle emplacement.

In every instance there is good accommodation for the gun teams.

APPENDIX

(5)

6. System of Reliefs.

The personnel of the batteries is maintained at a minimum so that a complete relief can be carried out by the companies concerned. The Rear or Battery Companies relieve the Direct Fire companies at regular intervals.

Personnel in the rear area will continue training with the reserve guns.

APPENDIX No. 4.NUMBERING AND NAMING TRENCHES
and DEFENDED LOCALITIES.

1. The system of numbering and naming trenches, defended localities and posts will be as follows, viz:-

- (a) Defensive posts will be numbered from right to left according to map squares, e.g., Post 1, D.26, or Post 6, V.14.
- (b) Fire trenches will be numbered from right to left according to map squares, e.g., the trenches which run through square F.1. will all have the prefix F.1.
If necessary, the trenches in square F.1. will be subdivided into convenient lengths, which will be numbered F. 1/1, F.1/2, F.1/3, etc.
- (c) Support trenches, Reserve trenches, and Defended localities will be given names, e.g., "Willow Support," "Stone Reserve", "Bellevue".
- (d) Main communications will be called "Avenues", less important ones "Lanes" or "Alleys", e.g., "Gloucester Avenue", "Minster Lane" or "Horso Alley".
Duckboard tracks will be named "Tracks" e.g., "Sunny Track".

2. In order to avoid duplication of names on the Army front, Corps submits to "Intelligence", A.H.Q., a list of names (50 to 100) commencing with the initial letter allotted, as shown below. These names will be compared with existing maps in order to see that they are not similar to those already in use.

The initial letters allotted to the Aust. Corps are

U, V, W, X, Y, Z.

3. The Division will adhere to the initial letters allotted. Should it be desired to depart from them, in order to connect some particular trench, etc., with a special locality, such as "Zonnebokke Support Trench", sanction must be obtained through Corps Headquarters.

4. The letters allotted will be used for naming localities, trenches, etc., both within our own lines and the German lines.

5. When it is decided to describe the exact limits of an operation, the trench number, name of trench, defended locality or map reference should be given, e.g., "Enemy raided our line between trenches F. 1 and F. 8."

6. To facilitate reference in situation and other reports when the exact limits are not important, names of villages should be used, e.g., "Hostile machine-guns active against our outpost line E. of Passchendaele".

7. In the selection of names the following principles must be adhered to, viz:-

(2)

- (a) Names should be as short as possible.
- (b) Similar names, if used for different objects, should be kept for the same part of the map, e.g., a name "Gloncorse" exists, applied to a wood "Glencorse", if used as a trench name, it should only be applied to trenches in the vicinity of this wood.
- (c) Once a name has appeared on the map it should not be altered, except under very exceptional circumstances.

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APPENDIX No. 5.ACTION OF TUNNELLING COMPANY and
ATTACHED PERSONNEL IN CASE OF ATTACK.

(i) In the event of a hostile attack or general alarm the personnel of the Tunnelling Coy. R.E. and attached infantry, now employed on tunnelling work in the Divisional sector will take action as detailed below:-

Party No.	Location of work.	Normal R.E.	Strength Inf.	Function.	To report ar- rival and strength to.
1. WYTSCHAETE O.19.a.	Off. 5	O.R. 20	O.R. 37	Man Firing Line 2nd Zone in O.20.a.&c.	Bn. H.Q. TORREK- EN FARM. 1 Off. to assume com- mand of party No. 2.
2. VERNE ROAD O.21.H.&d.	20	30	S.P. 3.u.2-1 & S.P. 4.O.2.1	Bn. H.Q. TORREKEN FARM.	
3. ULSTER HOUSE & HOW FARM O.27.a.&b.	20	25	Man ORANGE TRENCH O.27.b.	Coy. H.Q. O.27.b.2.0.	
4. WYKEHAM LODGE U.2.o.&d.	1	20	35	Man Firing Line 2nd Zone at S.P. 1.u.3. and S.P. 2.4.3.	Reservoir Bn. H.Q. U.3.a.1.1.
5. Remainder of Coy. in camp at T.9.a.4.0.	18	190	140	Move to N. MIDLAND Right Brigade FARM, thon as or- dored by G.O.C. Right Brigade.	N. MID- LAND FARM. H.Q. N. MID- LAND FARM.

(ii) Infantry will turn out in fighting order; R.E. personnel will carry rifles and a minimum of 50 rounds S.A.A.

(iii) Parties will come under the orders of the commander to whom they report, but will not be employed forward of the Divisional Reserve Line.

(iv) Officers and N.C.O.s in command of parties will reconnoitre the defensive positions allotted and approachos to them. Any alteration in the location of tunnelling personnel will be immediately notified to this H.Q.

(v) Coy. and Bn. H.Q. to which these parties report will at once pass the information to Brigade H.Q. giving strength and location of the party.

(vi) These arrangements will be added to Brigade and Battalion defence schemes affected.

APPENDIX

APPENDIX No. 6.SCHEDULETABLE OF ACCOMMODATION.

Area.	Name of Camp.	Map Location.	Class of Accommodation.	Off.	Men.	Horses	Nature of Standing.
DRANGUER	Grahamstown.	S.5.b.8.2. Huts town. Shelters 2)	11) 4	200	200		Covered
"	Burne & Durban	S.5.d.8.8. Huts	8 10	250	330		"
"	Norbury Lines.	S.5.b.1.5. Huts	8 -	150	170		"
"	Groydon & Coburne	S.5.a.6.5. Huts rents 4) Shelters 5)	18) 8	220	350		"
"	Why & Thompson	N.35.d.4.2. Huts (Nissen) 9) Huts (local) 3)		100	150		"
"	Ulster	N.35.d.0.2. Huts Shelters 4)	35) 32	250	-		"
"	Dyrene Farm.	N.36.a.9.2 Huts	2 4	150	50		"
"	DRANGUER	N.36c.1.6. Village.		36	250		
BEAVER	BULLARDS	N.24.b.3.2. Huts (Butterfly)	16 12	150	192		Covered.
"	(Farm	N.19.a.6.9. Huts	16 20	450			"
"	{ KLONDYK.	N.19.c.0.5 Huts	3 10	100	60		"
"	(Farm.						
"	Bedvers	N.19.c.5.2 Huts	14 12	176	180		"
"	{ Kemmel						
"	(Shelters	N.19.d.5.4 Huts	54 40	1000			
"	Lambton	N.20.d.4.2. Huts	4 6	48	6		"
"	Glasgow	N.20.a.9.3 Huts	16 5	400	5		"
"	{ Artillery	N.30.d.8.4 Huts	6 1	80			
"	Mead.						
"	Leeds	N.24.b.2.3 Huts	20 5	500	1		"
"	Leeds Farm	N.15.c.1.5 Huts	41 9	850	64		"
"	Donegal	N.32.c.5.8 Huts	26 10	450	670		"
"	Aircraft	N.32.b. Huts (central)	14 5	500	286		"
"	(Beaver	N.31.b.0.4. Huts (Hall)	6 -	70	-		
"	St Albans	N.20.d.2.3 Huts	10 4	280	10		"
"	Derry Huts	N.32.b2.2 Huts	4 1	75			"
"	(KAIAKERA	N.20.d.8.1. Farm building	6	52	8		"
"	(KUFP Fm.	ing					
KARAKL	Whites	N.21.c.4.0	Billets 4) Huts 8)	6	320	320	Covered.
"	Ramilles	N.27.b.2.9	Huts 50) rent 1)	40	1100		
"	Gibraltar	N.27.a.9.3	Huts 11)	3	150	28	"
"	Norfolk	N.32.b.6.6	Huts 17) rents 5)	8	360	237	"
"	(Doctors	N.21.d.5.4	Billets 2)	3	150	-	
"	(House.						
"	LaPOLKA	N.21.b.7.1	Huts 11)	3	220		
"	Kemmel	N.21.b.0.3. Huts	23 6	200	170		
"	Rossignol	N.21.b.9.3. Huts Perth	20) 1)	40	1100		

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Area	Name of Camp.	Map Location.	Class of Accommodation.	Off. Men. Horses.	Nature of Standings.
KAMMEL	Bellevue	N.27.c.2.9	Billets 2 Huts 4	3 30	
KAMMEL	Village			30 500 90	Covered
		N.21.c.6.4	Billets 2 Huts 17	6 150 50	"
ULVERGHAM					
R.M.	'b' block	I.5.d.2.7	Huts 9	10 210	
	'c' block	I.5.d.2.6.	Huts 8	10 180	
	Gable Farm				
	'A' block	I.5.a.7.1.	Huts 2 Dugouts 6	8 228	
	'B' Block	I.5.c.2.8	Dugouts 20	4 45	
	'C' block	I.5.a.6.8.	Dugouts 51	6 140	
	'D' block	I.5.a.2.6.	Huts 2 Tents 4	10 150	
			Dugouts 32		
	Tea Farm	N.34.d.1.6.	Dugouts 6	2 30	do.
	Fort Pinkie	I.5.b.8.6.	Dugouts 10	2 40	Covered
	(Newport	N.34.a.7.4.	Dugouts 15	4 60	
	{ Dugouts.				
	Spy Farm	N.28.c.7.6	Huts 8	12 265	100
			Dugouts 22		
	(Frenchman's	N.34.b.8.3	Dugouts 6	- 80	30
	{ Farm.				do.
	Bully Beef	N.29.c.1.8.	Tents 20	4 180	6
	{ Farm				Covered
	Corner	N.33.d.8.6.	Huts 6	3 150	180
	Laynebok	N.33.d.2.1.	Huts 6	3 150	160
	Daylight	N.33.c.9.8.	Billets 2 Huts 16	6 350	280
			Tents 4		
	Lindenhoek	N.27.c.9.2.	Huts 54	40 1100	
MESSINES	Ulvergham		Huts 15	20 670	
	'A' block	I.6.c.2.7	Dugouts 70		
	'B' block	I.6.c.2.4.	Dugouts 30	15 115	
	{ Bristol	U.1.c.2.4	Dugouts 110	10 300	
	{ Castle				
	S.Midland	I.6.c.6.5.	Dugouts 25	4 150	
	N.Kidland	I.6.c.7.9.	Dugouts	brigade Headquarters.	
Red CHINA	Irish House	N.23.c.9.7.	Dugouts		
AU.	Chinese Wall	I.23.b.4.3.	"	10 350	
	Arty. H.Q.	I.23.b.2.5.	"		
	Pioneer	N.24.c.6.2.	Dugouts 12	368	
	Railway	N.29.c.5.9.	Tin Sheds 1	50	
		I.19.b.2.3	& Dugouts 4	50	
	Parrain Fm.	N.22.d.2.1.	Dugouts 4	35	
	Port Victoria	N.28.c.6.8	Huts 1	10 324	70
			Tents 2		
			Dugouts 56		
	R.M. Camp.	N.28.c.8.4.	Huts 5	9 250	76
			Tents 12		
			Dugouts 18		
GRAND BUIS	Siege Camp	N.17.c.8.6	Tin Sheds 10	400	
	GRANDBUIS	U.15.c.4.2.	Dugouts 5	160	
	Red Chateau	U.13.c.1.4.	Dugouts 6	120.	
			Pillboxes		

APPENDIX NO. 7.TRAINING FACILITIES.1. RESERVE BRIGADE AREA.Ranges.

- (a) N.27.d.1.9.
- (b) N.28.a.8.3.
- (c) N.22.d.7.2.
- (d) N.27.b.8.4.
- (e) N.27.b.1.0.

(a) Is a good range, approximately 150 yards long, and in good repair. There are seven target frames which require new covering.
 (b), (c), and (d) ranges are miniature, and require more revetting to be safe. There are no target frames at these ranges.
 (e) approximately 100 yards long, and is safe. Target frames are required.

Field Firing Accommodation.

No area suitable.

Assault Courses.

Bayonet. ROSSIGNOL CAMP. N.21.b.9.4. in good repair.
 Elementary Bayonet Courses. LINDENHOEK CAMP (under construction).

Bombing Ranges. N.22.c.5.4.
 N.22.c.9.4.
 N.28.a.0.5.

These ranges have the required safety radius (250 yards) and with a little attention the throwing and firing bays will be in a safe condition. Picquets will need to be posted at suitable places to prevent men straying on to the ranges.

T.M. Practice Grounds. N.22.d.5.5. Good ground. 500 yards safety radius.

Parade Grounds. N.27.b. and d. 28.a. and c.
 LINDENHOEK CAMP, N.33.a.7.8.
 ROSSIGNOL CAMP, N.21.d.9.1.

N.21.c.2.8.

N.21.d.7.6.

Football Grounds. N.33.a.7.8.
 N.21.d.9.1.
 N.21.d.6.6.

2. RIGHT BRIGADE AREA.Lewis Gun and Rifle Ranges.

(a) M.30.d.8.4: range dug into side of hill. In good condition. Room for 5 or 6 targets, but none at present on range. There is a firing point at 30 yards and also one at 250 yards from butt. If used as L.G. range it would be advisable to sand-bag the stop-butt. This range is probably the best in the area.

(b) N.27.b.1.0. Range dug into side of hill and sand-bagged. There is room for 6 targets, but those at present on range are in bad repair. This range has evidently been recently constructed and is used only for rifle fire. An 80 yards range fairly safe. There is a makeshift L.G. range at N.27.b.2.2. which is placed up against a bank. There are no targets on range. Length about 25 yards. Unsafe at present, but could be improved.

(c) N.28.a.8.2. A breastwork range with banks on either side suitable for L.G. or rifle fire. Room for four targets but none at present on range. Length of range 30 yards. Fair condition. Fairly safe range.

(d) N.22.d.7.1. A range constructed in an old trench system and in fair condition. Enclosed on either side by banks. Room for four targets, but none at present on range. Suitable for L.G. fire. Length 30 yards. Not a very satisfactory site.

(e) N.23.a.8.8. A breastwork range in fair condition, suitable for L.G. fire. Room for four targets, but no targets at present on range. Length 30 yards. Not very satisfactory.

(f) T.5.b. A 30 yards L.G. range has been improvised in T.5.b. (in WULVERGHEM CAMP). With a little work, this could be made quite satisfactory.

Bombing Pits.

(a) N.35.c.4.9. A very good place for carrying out live practices with both hand and rifle grenades, also sennos.

(b) N.23.a.1.8. Suitable trenches for live throwing exist at this point.

(c) M.30.d.8.4. There is a L.G. and rifle range there, but no bombing range. One could easily be built there for live throwing practices. Suitable site.

(d) N.28.a.8.2. Suitable site for bombing range. None exists at present.

Assault Courses.

N.21.a.4.3.
M.30.d.8.4.
M.36.b.5.5.

APPENDIX No. 8.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. 2.

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 low flying 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 those 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 1,500 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.

(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.

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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 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. 2.

(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.

APPENDIX

~~SECRET~~FIRST AUSTRALIAN DIVISIONGENERAL STAFF MEMORANDUM, No. 39.Headquarters,
Jany. 25th 1918.T R A I N I N G.1. PERIOD.-

When the Division moves to the Support area, training programmes are to be designed with a view to a period of one month's training.

2. NATURE of TRAINING

Training is to be of two kinds. -

- (a) Military training.
- (b) Recreational training.

Military training is to occupy the whole of the morning and 3½ hours per day is to be devoted to this. The afternoon is to be devoted to recreational training.

3. MILITARY TRAININGProgressive Training:

There are no facilities in the Support area for training units larger than a battalion. A progressive scheme will be drawn out for the training of each unit, which will arrange for -

- (i) Individual training.
- (ii) Progressive training of sections and platoons.
- (iii) Training of companies and battalions.

Individual Training:

In individual training, musketry training is to occupy a leading place, and as far as ranges permit, every man is to fire a musketry course. It is not practicable for Divisional Headquarters to lay down the course which is to be fired owing to various conditions as regards ranges and other facilities, but the training in each brigade is to be standardised and definite courses are to be laid down in accordance with the facilities in each brigade area for firing musketry courses. Preliminary musketry training must be thorough. Particular attention is to be paid to rapid loading and fire discipline and fire control.

Arrangements are being made for the use of the field range at LUMBRES.

Bomb-throwing and rifle grenade practice will be carried out on the lines laid down in G.S.Memo. No. 25 dated 19th November 1917.

The training of specialists will be carried out and special classes will be held for battalion signallers.

Collective Training:

Collective training of sections and platoons will be carried out on definite lines; model platoon training is to be given a prominent place.

Intelligence sections and battalion signallers will undergo special courses for each of which a syllabus will be drawn up in advance.

Throughout the whole period, each company will be assembled at least once daily and be given a short period of close order drill. Where billeting conditions permit the whole battalion should be assembled daily and be given a short period of close order drill.

APPENDIX 22

- 2 -

Exercisos:

The collective training of smaller units will include exercisos against defined enemy localities, such as strong points, sunken roads and isolated villages. The exercise gains greater value where it can be first carried out as a regimontal exorcise by the officers before the troops are set to do it, and this principle is to be continually kept in mind during collectivo training.

Night Training:

Training at night will be carried out during the individual and collective period and men should be taught to find their way by the idontification of two or three of the principal stars.

Marchos:

During the early part of the period, route marches should be short and brisk. All route marchos of over three miles will be carried out in full marching order.

Lecturos:

Lectures should be given by platoon commanders on Divisional Standing Orders and Trench Standing Orders, patrol work and similar subjects. Battalion Commandors should arrango for lecturos within the battalion by senior officers on subjects such as -

(i) Method of Defence in depth.

(ii) Organisation of the Company in the attack. All these lecturos should aim at obtaining practical result and should be followod as a rule by one exorcise on the subject next day. Outsido lectures will be arranged by the Division at H.Q. as far as can be done. Brigades are requested to submit any request for special lectures that they desire and if possible Divisional Headquarters will arrango to provide suitable lecturers to meet these demands.

4. RECREATIONAL TRAINING

The aim of recroational training is to induce over man to take part and not to allow recreation to become the entertainment of the crowd by a few spacialised atholotos. To secure this, men not taking part in recreational train' ing during the afternoon, except on spacial occasions, will be detailed to carry on the ordinary military trainin. The object of recroational training is first to improve thmons' physical and mental condition, and secondly the entertainment of the troops.

Attention is directed to G.S.Memo. No.34. dated 22nd November 1917; the arrangements laid down theroin will be continued while the units are in the rest area.

Brigados will submit weekly training programme to ronch Divisional Headquarters on each Friday evening for the following week, the first of those programmes to reach Headquarters on the evening of the 2nd Febrv.

5. MATERIAL.

Requirements in engineer material, special storos and ammunition are to be indonted for before leaving the forward area. This will reduce the inevitable delay in supply and assist materially in getting forward with the training.

J.A.B. Slempy

Colonel. G.S.
1st Australian Division.

APPENDIX 23

SECRET.FIRST AUSTRALIAN DIVISION.

COPY NO.....

Headquarters.
26th January 1918.FIRST AUSTRALIAN DIVISION ORDER NO. 61.

Reference Map. Sheets 27 and 28. 1 - 40,000.

1. The 1st.Aust.Div. (less Artillery) will be relieved in the MESSINES - WYTSCHAETTE Sector by the 5th.Aust.Div. (less Artillery) between the 29th January and 1st February.
2. (i) On relief the Division will be withdrawn to the Support Division Area.
(ii) The relief will be effected in accordance with the attached move table.
3. (i) Defence Schemes, maps, photographs, works policy and all documents and information of use to the incoming units will be handed over.
(ii) On reaching the Support Division Area defence Schemes which have been prepared for Brigades in Support will be taken over and orders for action in accordance therewith will be promulgated to all concerned. A certificate that this has been done will be furnished to D.H.Q. by 9. p.m. on the day following the completion of the move.
4. (i) Instructions for the relief of Engineer and Medical Units and for the Divisional Train and Mob.Vet.Section will be issued separately by their respective Commanders.
(ii) The D.M.G.O. will issue instructions for the relief of the 21st.M.G.Coy.
5. (i) No movement of troops forward of the MESSINES "WYTSCHAETTE Ridge will take place before 5.p.m. Should the days of relief prove foggy the G.Os.O. relieving Brigades will exercise their discretion as to the hour at which troops may cross the ridge.
(ii) Movement forward of the KEMMEL - NEUVE EGLISE Road will be by platoons at 100 yards distance. In rear of that road the distances prescribed by Fourth Army will be maintained on all roads. (Standing Orders)
6. Separate instructions will be issued by the Administrative Branch of the Staff.
7. Details of relief not provided for herein will be arranged direct between Brigadiers concerned. Command of each Brigade Sector will pass on completion of the infantry relief. G.O.C. Relieving Brigade will report completion to Div.H.Q.s.
8. Command of the Divisional Sector will pass to the G.O.C. 5th.Aust.Div. at 11.a.m. on 1st. February at which hour 1st.Div.H.Q. will open at MERRIS.
9. ACKNOWLEDGE.

*Colonel. General Staff.
1st Australian Division.*

APPENDIX 23

(2)

DISTRIBUTION.

Copy No.	Issued to.
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	C.R.A.1st.Aust.Div.
12	C.R.F.1st.Aust.Div.
13	1st.Aust.Div.Sig.Coy.
14	D.M.G.O.
15	Camp Commandant.
16	B.S.O.
17	1st.Aust.Div.Train.
18	A.D.M.S.
19	D.A.D.O.S.
29	D.A.D.V.S.
30	1st.Pioneer Bn.
31	A.P.M.
32	Salvage Coy.
33	21st.M.G.Coy.
34	Mob.Vot.Section.
35 to 36	Aust Corps.
37	2nd.Aust.Div.
38	3rd.Aust.Div.
39	4th.Aust.Div.
40	5th.Aust.Div.
41	177th Coy.R.E.
42	C.R.E.Corp Troops.
43	Area Comdt. KEMIPL.
44	" " RED CHATEAU.
45	" " WULVERGHEM.
46	" " LOCRE.
47	" " RAVELSBERG.
48	" " MERRIS.
49	" " DRANOUTRE.
50	" " BEAVER.
51	" " GRAND BOIS.
52	" " MESSINES.
53	Town Major. BAILLEUL.
54	File.
55 to 57	Spares.

Issued at. 11.a.m.

SECRET.

MOVE TABLE ISSUED WITH 1ST AUS.DIV. ORDER NO. 61.

1 Serial No.	2 Date.	3. Unit.	4 From.	5 To.	6 Route.	7 Remarks.
1.	Jany 29th.	2nd A.I.Bde.	KERMEL-WULVERG- HEM Area.	LOCRE AREA.	March route via KERMEL.	Camps to be clear by 10 a.m. Not to reach LOCRE before 10 a.m.
2.	Jany 29th.	14th A.I.Bde.	SAMER Area.	KERMEL-WUL- VERGHEM Areas.		By train to DE KENNEBAK.
3.	Jany 30th & night 30th 31st.	14th A.I.Bde.	KERMEL-WULVERG- HEM Area.	Line left Sector.		In relief of 1st A.I.Bde.
4.	Jany 30th & night 30th 31st.	1st A.I.Bde.	Line left Sector.	KERMEL-WULVERG- HEM Area.		On relief by 14th A.I.Bde
5.	Jany 30th.	8th A.I.Bde.	SAMER Area.	RAVELSBERG- NEUVE EGLISE Area.		By train to DE KENNEBAK
6.	Jany 31st.	1st A.I.Bde.	KERMEL-WULVERG- HEM Area.	MERRIS Area.	By bus - route to be notified later.	Detailed arrangements to be issued later.
7.	Jany 31st.	15th A.I.Bde.	SAMER Area.	KERMEL-WUL- VERGHEM Area.		By train to DE KENNEBAK
8.	Jany 31st & night 31st/ 1st Feb.	8th A.I.Bde.	RAVELSBERG- NEUVE EGLISE Area.	Line Right Sector.		In relief of 3rd A.I.Bde.
9.	Jany 31st & night 31st/ 1st Feb.	3rd A.I.Bde.	Line Right Sector.	RAVELSBERG- NEUVE EGLISE area.		On relief by 8th A.I.Bde.
10.	On reliefs.	1st Pnr.Btn. loss 2 Cos.	SPY FARM	R.E.FARM N.15.c.		G.R.E. to arrange for 8th Fld.Coy. to vacate R.E.FARM.

SECRET &

APPENDIX 24

FIRST AUSTRALIAN DIVISION.

Divisional Headquarters,
26th January, 1918.

Administrative Instructions issued with 1st
Australian Divisional Order No. 61.

1. Quartering and Accommodation.

Billets and Accommodation in the Support Divisional Area will be taken over by brigades as under :-

1st A.I.Bde. take over from 9th A.I.Bde. MELRUCN Area.

2nd A.I.Bde. take over from 11th A.I.Bde. LOGRE Area.

3rd A.I.Bde. takes over from 10th A.I.Bde. RAVELSBURG & NEUVE EGLISE Areas.

Area Commandants are located as follows :-

RAVELSBURG Area.	- Lt. Col. RIGDON - RAVELSBURG Camp.
	Lieut. DAVIES (Asst.) S.17. central.
NEUVE EGLISE Area	- Col. SALVANS - NEUVE EGLISE.
LOGRE Area	- Col. FISHER C.b.-Hospice, LOGRE.
MELRUCN Area	- Lt. Col. GRANT-SMITH, D.S.O., MELRUCN.

Units Headquarters are located as shown in attached table 'A'.

2. Supplies.

Refilling Points in new Area will be as under :-

Divisional Troops	- La ORCHE.
1st brigade	- MELRUCN.
2nd brigade	- LOGRE.
3rd brigade	- La ORCHE.

Supplies will be drawn from Railhead by Train Transport and taken from Refilling Points by 1st Line Transport.

From 31st January to 3rd February, inclusive, 1st Divisional Artillery will be rationed by S.S.O., 5th Division from BAULOUZ Railhead, rejoining 1st Divisional Pack Train at STEENWICK on 4th February.

From 31st January, the 2nd Aus. Inf. bde. will be rationed by S.S.O. 5th Division.

Corps Troops and Artillery Units, now rationed by Division, will be transferred as follows, under mutual Arrangements made by S.S.O.s.

From 2nd Aus. Div. to 1st Aus. Div.
From 1st Aus. Div. to 5th Aus. Div.

Stocks of solidified paraffin and anti-frostbite ingredients remaining on hand will be transferred to 5th Australian Division.

Localities allotted for the exploiting of Shattered Woods for fuel purposes will be transferred as follows :-

From 2nd Aus. Div. to 1st Aus. Div.
From 1st Aus. Div. to 5th Aus. Div.

Reserve Rations. General purpose and Supporting Point Rations will be transferred *In situ* and copies of receipts sent to D.H.Q.

P.M.

APPENDIX 24

-2-

3. Ordnance.

Ordnance will be located at S.23.a.8.6.- Sheet 28.

4. Mobile Veterinary Section.

Mobile Vety. Section will be located on BAILLEUL-ARMENIERES road at S.29.b.2.2. - Sheet 28 SW.

5. Medical Arrangements.

First Aus. Fld. Amb. will be in charge of Scabies Station located at RAVELBORG.

Second Aus. Field Amb. will be in charge of Divisional Rest Station, BAILLEUL.

3rd Aus. Fld. Amb. will be located at QUARSTEIN.

6. Ammunition.

^{mobile}
Units will move with full echelons (Artillery included).

7. Area and trench Stores.

Area and trench Stores will be handed over as laid down in Divisional memo of 26/1/1918.

Paillasses will be returned to D.A.D.U.S. before leaving the present area.

8. Duties.

The responsibility for traffic control, police duties, to carry on work in the Divisional Areas will be transferred as shown below. Transfer to be completed by 8 a.m. on 31/1/1918.

<u>Area.</u>	<u>Transferred.</u>
	From. To.
"b" Division	1st Aus. Div. 5th Aus. Div.
Support Division	3rd do. 1st do.

Working Parties will be provided as set out in Table "b" attached.

9. Reinforcement Camp.

1st Aust. Div. Reinfor. Camp at CALISIRE will close on 30th January; the Camp being handed over to 3rd Aust. Division.

It will be opened at Sheet 28 - S.25.d.9.8. on the same day.

The Reinforcement railhead for 1st Aust. Div. will change from CALISIRE to BAILLEUL on 30th January.

10. Transport.

(A). The control of horse transport in Divisional Areas under the direction of A.D.S.F. (including the transport of rations to Corps Troops and H.A. Units) will pass to the C.O. Div'l. Train of the incoming Division on arrival in respective Areas.

(B). 1st Aust. Div'l. Train will relieve by mutual arrangements, the Q.S. Wagon complete turnout at Corps H.Q. at present supplied by 3rd Aust. Div.

(C). Teams and Ploughmen for the Army Farm will be relieved under arrangements to be made by A.D.S.F. Corps, direct with C.O., 1st Aust. Div'l. Train.

APPENDIX 24

-3-

11. Sub-Area Commandants.

Sub-Area Commandants, together with any 1st Australian Division personnel will rejoin their units on 1/2/1918.

12. Leave Train.

All personnel proceeding on leave will go by train from BAILLEUL at 11 a.m. and must report to R.R.O. before 10.30 a.m.

13. Baths.

Divisional baths Officer and personnel will not move with Divisions, but will remain at the baths and Laundries, where they are at present located.

The following baths are available for use of this Division, and change of underclothing will be available at the baths when men are bathed.

All applications for the use of these baths will be made to the Officer in Charge of the respective baths.

<u>Location.</u>	<u>Capacity per Hour.</u>
Palmer - Sheet 28, A.25.b.9.8.	200
Hoolenacker - Sheet 27, X.20.d.0.7.	80
Locre	100.
BAILLEUL	150.

14. bussing.

Arrangements for the move of the 1st Aus. Inf. Bde to METEREN Area will be notified separately.

15. Divisional Concert Party.

'The Sentimental blokes' will be located at METEREN.

R. G. [initials]
Lieut.-Colonel,
A. A. & Q. M. G.,
1st Australian Division.

TABLE 'A'.

Headquarters of Units in Support Division Area.

Map Reference Sheets 27, 28, 30 and 36a.

1st brigade H.Q.	X.16.c.0.7.
'A' Battalion.	X.17.c.4.4.
'B' do.	X.15.d.7.7.
'C' do.	F.2.b.5.8.
'D' do.	X.15.c.7.9.
1st A.A.G. Coy.	X.15.d.4.7.
1st L.R.M. bty.	X.15.d.7.7.
2nd bdo. H.Q.	M.23.c.4.4.
"A" battalion.	N.19.d.4.3.
"B" do.	M.29.a.8.9.
"C" do.	M.29.a.3.8.
"D" do.	M.29.c.8.2.
2nd A.L.G. Coy.	M.23.c.3.9.
2nd L.R.M. bty.	M.18.d.5.0.
3rd brigade H.Q.	S.18.d.2.1.
"A" battalion.	F.15.a.4.2.
"B" do.	F.20.a.1.1.
"C" do.	F.14.b.9.4.
"D" do.	F.15.b.4.5.
3rd A.L.G. Coy.	B.1.b.3.9.
3rd L.R.M. bty.	F.20.a.1.0.
Engineers.	
1st Fld. Coy.	B.1.d.6.5.
2nd do.	F.19.b.8.4.
3rd do.	B.1.d.8.5.
1st Aus. Pioneer bn. less 2 Cos.	R.S. Farm N.15.c.
Div. Train H.Q.	La GR. OH.
S.S.O.	La GR. CH.
1st A.A.O.O.	A.2.d.8.9.
2nd do.	B.9.c.
3rd do.	M.23.a.8.2.
4th do.	B.9.c.
1st Fld. Amb.	S.16.c.5.3.
2nd Fld. Amb.	S.18.c.4.4.
3rd Fld. Amb.	L.2.d.7.7.
Div. Headquarters	KERRIS.
D.A.D.O.S.	S.23.a.8.6.
Div. Reinfct. Eng.	S.25.d.9.9.
Mob. Vtly. Sect.	S.29.b.2.2.
21st A.M.G. Coy.	M.29.c.d.3.4.
Div. Salvage. Coy.	A.10.a.9.2.
A.F.M.	KARRIS.
Div. Paymaster	KARRIS.

TABLE "B".

Party No.	Employer.	Working Strength	Employed at	Now supplied by.	To be relieved by	Date.	Party to be quartered
1.	O.R.C.	1 Coy. (90 O.R.)	Romarin Stone Siding.	10th A.I.Bde.	3rd A.I.Bde.	2/2/18.	With Unit (Aldershot Camp)
2.	C.R.C.	1 Coy. (90 O.R.)	Sulverghem Stone Siding.	10th A.I.Bde.	1st A.I.Bde.	1/2/18.	Gable Farm Camp, Sulverghem.
3.	O.R.C.	1 Coy. (90 O.R.)	Dranoutre	11th A.I.Bde.	2nd A.I.Bde.	29/1/18	With Unit, Loco.
4.	R.U.O.O.X.D.	$\frac{1}{2}$ Coy. (50 O.R.)	Connaught & La Creche.	10th A.I.Bde.	3rd A.I.Bde.	2/2/18.	With Unit (Aldershot Camp)
5.	R.U.O.O.X.B.	$\frac{1}{2}$ Coy. (40 O.R.)	Front	10th A.I.Bde.	do.	2/2/18.	
6.	R.U.O.O.X.F.	$\frac{1}{2}$ Coy. (40 O.R.)	De Kennebak.	10th A.I.Bde.	1st A.I.Bde.	29/1/18	Gable Farm Camp, Sulverghem.
7.	O.S. Aust. Corps.	1 Coy.	De Seule Dump (50 O.R.) De Kennebak Dump (20 O.R) Bailloul Dump (30 O.R.)	10th A.I.Bde.	1st A.I.Bde.	29/1/18	At Dumps.
8.	O.S. Aust. Corps.	2 Coys. (200 O.R.)	Corps Defence		2nd A.I.Bde.	29/1/18	Lindenhook Camp Acc'd. for work, quarters, rations, to 1st Pioneer Bn.
9.	O.S. Aust. Corps.	2 Coys.	Corps Defence		1st Pioneer Bn.	29/1/18	Lindenhook Camp.
10.	O.R.C. Corps Troops.	2 Fld. Coys.	Baths, laun- dries, etc.	3rd Aus. Div. Engrs.	1st Aus. Div.	1/2/18.	With Units.
11.	A.P.M. Bailloul.	1 platoon 20 O.R.	Bailloul	9th A.I.Bde.	1st A.I.Bde.	2/2/18.	Rationed and quartered by A.P.M. Bailloul
12.	O.R. Supply Col.	15 O.Rs.	Steenwerck Station.	10th A.I.Bde.	3rd A.I.Bde.	1/2/18.	With Unit

SECRET

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APPENDIX. XXV.

APPENDIX 25

FIRST AUSTRALIAN DIVISION.

Headquarters.
23rd January 1918.

PIONEER INSTRUCTIONS. No. 1.

Issued under 1st.Aust.Div.Order.No. 61.

The following moves in relief of the 1st.aust. Pioneer Battalion will take place.

Serial No.	Date.	Unit.	From.	To.
1.	30-1-18.	1st.Pioneer.Bn. (loss 5 Coys.)	SPY FARM.	R.I. FARM.
2.	"	5th.Pioneer Bn. (loss 5 Coys.)	SAILER AREA.	SPY FARM.
3.	"	1 Coy. 5th.Pioneer Battalion.	" "	IRISH HOUSE.
4.	31-1-18.	1 Coy 1st.Pioneer. Battalion.	PECKHAM CAMP.	LINDENHOEK CAMP.
5.	"	1 Coy 1st.Pioneer. Battalion.	" "	BUTTERFLY FARM.
6.	"	2 Coys 5th.Pioneer. Battalion.	SAMR.	PECKHAM CAMP.

ACKNOWLEDGE.

John G. M. G.
Lieut-Colonel.
General Staff.
1st Australian Division.

Copy No. 1. 1st.Aust.Pioneer Bn.
" " 2. 5th.Aust.Division.
" " 3. A.G.
" " 4. G.
" " 5. File.
" " G-S. War Diary.

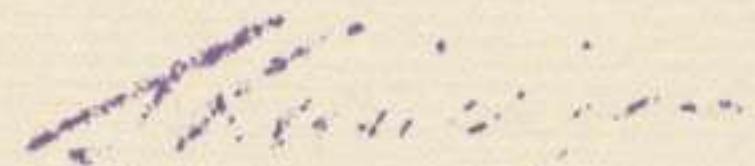
APPENDIX 26

~~SECRET.~~FIRST AUSTRALIAN DIVISION.S/7325.Headquarter.
28th Jany, 1918.

21st M.G.Coy.
 D.M.G.O. 1st Aus Div. }
 D.M.G.O. 5th Aus Div. } For information.
 3rd Aus Inf Bde.

1. The 21st A.M.G.Coy will be relieved in the line on the 30th inst by the 25th A.M.G.Coy.
2. On the 29th inst the 21st A.M.G.Coy rear Hd-Qrs will move to M.29.d.3.4. (LOCRF NOF FME) leaving a rear party behind to hand over accommodation at KEMMEL to the 25th A.M.G.Coy on the same day.
- 21st A.M.G.Coy will be clear of present camp at KEMMEL by 11 a.m.
3. On completion of relief 21st A.M.G.Coy (in the line) will move direct to M.29.d.3.4. (LOCRF NOF FME).

ACKNOWLEDGE.



Lt-Col.
General Staff.
1st Australian Division.

APPENDIX

FIRST AUSTRALIAN DIVISION.

169/295

Divisional Headquarters,
31st January, 1918.

1st Aus. Inf. Bdo.
 2nd do.
 3rd do.
 C.R.A. 1st Aus. Div.
 3rd Sqn, A.F.C. (for information).

Aeroplane Classes.

1. Arrangements have been made with the 3rd Squadron A.F.C. situated at Sheet 38. S.14.b.6.8. near BAILLEUL to hold classes of instruction for infantry and Artillery officers of the Division.

2. The object aimed at is the instruction in methods of contact patrols, wireless communication etc., and also generally the possibilities and limitations of the various types of aircraft.

3. Courses will be of three days duration and will run continuously. Six copies of the syllabus of work proposed to be carried out are attached.

4. Officers will report at the Aerodrome at 8.45 a.m. on the day of assembly; they will be accompanied by their batmen and valises. All ranks will be fully equipped, will carry blankets and 24 hours rations. Officers will be provided with pencils, note-books and binoculars.

5. Vacancies are allotted as follows:-

		<u>1st Bdo.</u>	<u>2nd Bdo.</u>	<u>3rd Bdo.</u>	<u>C.R.A.</u>
1st Course commencing	4/2/18	2	2	1	1
2nd "	7/2/18	2	1	1	2
3rd "	11/2/18	1	1	2	2
4th "	14/2/18	1	2	2	1
5th "	18/2/18	2	1	1	2
6th "	21/2/18	1	2	2	1
7th "	25/2/18	1	2	2	1
8th "	28/2/18	2	1	1	2

6. Nominal rolls will be forwarded to reach this office two days before the commencement of each Course.

Signature:

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

APPENDIX

PROGRAMME OF WORK.

for

Artillery and Infantry Officers attached to
 No. 3 Squadron, A.F.C.

(a) Work will commence on the morning of the day following afternoon of joining.

(b) Officers will be attached to Flights during the period of instruction.

(c) Flight Commanders will detail N.C.O.s to give instruction as follows:-

1st Day. Rigging and construction.
 2nd Day. Engines.
 3rd Day. Aerial Machine Guns (Sgt. Rosier).

(d) Officers will report to Flight Commanders at 9 a.m. daily. Work will finish at 4.30 p.m. daily.

(e) Combined lectures will be given as follows:-

1st Day.	10 a.m. The organisation of the R.F.C. Major Blakely.
	2 p.m. Theory of Flight, Elementary, Capt. Duigan.
2nd Day.	10 a.m. Aerial Armament. Lieut. Bell. 2 p.m. Types of Machines. Lieut. Jones.
3rd Day.	10 a.m. Contact patrols. Lieut. Trogillo. 2 p.m. Aerial Photographs - Interpretation. B.I.O.

(f) Flight Commanders will arrange (weather permitting) for Officers to have a short flight (about 30 minutes) if they so desire. They must not be taken closer than 1000 yards to the front line. A short reconnaissance report will be made out by each officer on conclusion of flight. This report will be forwarded immediately to C.O. Squadron for perusal.

Special attention will be paid during the course to such points as:-

(a) Heights at which varying details can be observed from the air. (Officers should particularly note these details for themselves during their flight in the air).

(b) Height at which Hostile aircraft can be engaged by H.G. fire from the ground.

(c) Aerial photographs and their interpretation.

(g) Officers will return to their units on the morning of the fourth day.

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FIRST AUSTRALIAN DIVISION.

Daily Strength as at Noon... 1 - 1..... 1918

UNITS.	On Establishment.			Attached.			Remarks
	Off.	O. R.	Total	Off.	O. R.	Total	
DIV. HEADQUARTERS.	28	104	132	6	263	269.	
DIV. ARTL.	78	2153	2231	5	21	26.	
DIV. ENGINEERS	20	566	586	2	84	86.	
Div. Signal Coy.	15	323	338	1	60	61.	
PIONEER BATTALION	37	1064	1101	1	8	9.	
1st INF. BDE. H.Q.	4	21	25	7	43	50.	
1st Battalion	33	666	699	1	2	3.	
2nd Battalion	37	663	700	1	17	18.	
3rd Battalion	31	677	708	1	11	12.	
4th Battalion	30	759	789	1	4	5.	
1st A.L.T.M. Battery	4	37	41	-	19	19.	
1st A.M.G. Coy.	9	158	167	1	4	5.	
2nd INF. BDE. H.Q.	7	29	36	4	41	45.	
5th Battalion	56	865	921	2	7	9.	
6th Battalion	43	865	908	2	15	17.	
7th Battalion	48	835	883	2	6	8.	
8th Battalion	45	854	899	2	7	9.	
9th A.L.T.M. Bty.	5	67	72	-	-	-.	
10th A.M.G. Coy.	15	174	189	-	2	2.	
11th INF. BDE. H.Q.	3	26	29	6	36	42.	
12th Battalion	32	775	807	1	6	7.	
13th Battalion	33	607	640	1	27	28.	
14th Battalion	32	687	719	2	8	10.	
15th A.L.T.M. Bty.	34	808	842	2	9	11.	
16th A.M.G. Coy.	4	52	56	-	-	-.	
DIVNL. TRAIN	14	193	207	-	1	1.	
1st Field Amb.	23	407	430	2	55	57.	
2nd Field Amb.	9	181	190	1	99	100.	
3rd Field Amb.	10	226	236	1	80	81.	
Div. Salvage Coy.	11	265	276	3	17	20.	
Mob. Vety. Sect.	1	53	54	1	2	3.	
21st A.M.G. Coy.	1	25	26	-	19	19.	
2nd Aust. Sanitary Sect.	13	167	180	-	3	3.	
TOTALS.	-	-	-	-	-	-	

FIRST AUSTRALIAN DIVISION.

Daily Strength as at Noon 31 - 1 - 1918.

UNITS.	On Establishment.			Attached.			Remarks
	Off.	O. R.	Total	Off.	O. R.	Total	
DIV. HEADQUARTERS.	28	79	107	13	300	313.	
DIV. ARTL.	86	2289	2375.	5	21	26.	
DIV. ENGINEERS	22	531	553.	6	70	76.	
Div. Signal Coy.	15	326	341	1	84	85.	
PIONEER BATTALION	42	1150	1192	1	10	11.	
1st INF. BDE. H.Q.	3	21	24	15	111	126.	
1st Battalion	29	616	645	1	3	4.	
2nd Battalion	35	683	718	1	9	10.	
3rd Battalion	32	656	688	1	6	7.	
4th Battalion	34	665	699	1	1	2.	
5th A.L.T.M. Battery	4	35	39	-	19	19.	
1st A.M.G. Coy.	10	155	165	-	-	-.	
2nd INF. BDE. H.Q.	7	29	36	5	48	53.	
5th Battalion	63	879	942	2	3	5.	
6th Battalion	46	883	929	2	115	117.	
7th Battalion	51	775	826	2	7	9.	
8th Battalion	50	924	974	2	7	9.	
2nd A.L.T.M. Bty.	5	60	65	-	-	-.	
2nd. A.M.G. Coy.	15	182	197.	-	2	2.	
3rd INF. BDE. H.Q.	2	25	27	5	36	41.	
5th Battalion	34	771	805	1	9	10.	
10th. Battalions	35	639	674	1	6	7.	
11th. Battalion	37	733	770	2	8	10.	
12th. Battalion	34	716	750	2	9	11.	
3rd A.L.T.M. Bty.	3	57	60	-	-	-.	
3rd. A.M.G. Coy.	13	196	209	-	1	1.	
DIVNL. TRAIN	21	418	439	3	59	62.	
1st. Field Amb.	3	144	147	-	3	3.	
2nd. Field Amb.	10	236	246	1	37	38.	
3rd. Field Amb.	11	266	277	2	17	19.	
Div. Salvage Coy.	1	66	67	1	1	2.	
Mob. Vety. Sect.	1	25	26	1	8	9.	
21st. A.M.G. Coy.	13	176	189	-	3	3.	
2nd. Aust. Sanitary Sect.	-	-;	-	-	-	-.	
TOTALS.							

FIRST AUSTRALIAN DIVISION.OFFICERS AND OTHER RANKS SENT TO SCHOOLS.JANUARY, 1918.

School.	Nature of Course.	Duration.	Number sent		Remarks.
			Off.	O.R.	
<u>G.H.Q. Small Arms School.</u>					
Lewis Gun Branch, Le TOUQUET.	"A" Course for instruction of Coy.Comdrs. in use of Lewis Gun. "B" Course for training Officers and N.C.Os for Battalions and Instructors for Schools.	1 week. 15 days.	3	-	Covers 3 Courses.
Vickers M.G.Branch. CAMIERS.	For advanced trainigg of Officers and other ranks of M.G.Companies.	28 days.	1	4	
School of Farriery, ABBEVILLE.		2 Months.	-	2	
2nd Army Signal School. ZUYTPEENE.	"A" Course. Officers "B" Course. N.C.Os and men.	3 weeks.	1	9	
Instruction at Vet.Hospitals.		3 weeks.	2	9	Covers 2 Courses.
4th Army Signal School ZUYTPEENE.	Signal instruction.	6 weeks.	-	1	
G.H.Q. P & B. Training Camp, St. POL.	For training of Battalion Gym- nastic Instructors.	15 days.	-	1	
2nd Army Artillery School. TILQUES.	Artillery instruction.	1 month.	2	4	

School.	Nature of Course.	Duration.	Number sent		Remarks.
			Off.	O.R.	
2nd Army T.M.School. LEULINGHEM.	T.M. instruction for Artillery personnel.	17 days.	2	21	Covers 2 Courses.
AUST. CORPS SCHOOL. AVELUY.	General Training.	5 weeks. 6 weeks. Gas, (S.15.d.2.1) Stokes. Bombing. Lewis Gun. Cookery. Intelligence.	20 4 22 12 days. 12 days. 12 days. 21 days. 3 weeks.	45 15 53 14 23 22 5 4	Covers 4 Courses. Covers 2 Courses. " " " " " "
Courses at Special Squadron R.F.C. BERTHANGLES.	Officer instruction.	4 days.	3	-	
2nd Army Scouting, Observation and Sniping School, MONT DES CATS.	For training Officers and O.R.s in the use of the telescopic rifle. etc.	18 days.	1	4	
4th Army Anti-Gas School, OXELAERE.	Gas instruction. (Officers)	7 days.	3	-	Covers 3 Courses.
Course for Training Pioneers at R.E. Training Camp, ROUEN.	Pioneer personnel instruction.	2 weeks.	1	1	
10th Corps Signal School BOESCHEPE.	Signal instruction.		1	18	
10th Corps School, BOESCHEPE.	General training.	Infantry. Lewis Gun. Bombing.	19 2 1	10 12 8	
10th Corps Gas School. BOESCHEPE.	For training of gas personnel.	7 days.	2	4	

School.	Nature of Course.	Duration.	Number sent		Remarks.
			Off.	O.R.	
Battalion Musketry Instructors Course, HAYLING ISLAND.	For training of Battalion Sergeant Musketry Instructors.	4 weeks.	-	2	
2nd Army Musketry Camp, LUMBRES.	For training of Musketry Instructors.	22 days.	4	14	
4th Army Cookery School. HAZEBROUCK.	For training of Officers Mess Cooks and mens cooks.	3 weeks.	-	2	
Courses at Signal Base Depot ABBEVILLE.	For training of Signal In- structors.	1 month.	-	1	
Instruction in Transport Duties, ABBEVILLE.	Instruction for Transport Officers and N.C.O.s,	3 weeks.	4	2	
XIX Corps Signal School MERCKEGHEM.	Signal instruction.		-	2	
4th Army Musketry School, NORTBERCOURT.	Musketry Instructors.	3 weeks.	2	2	
Elementary Course for Power Buzzer Operators, DRANOUTRE. (Divisional)	For training signallers in the use of the High Power Buzzer.	2 weeks.	-	13	
Courses in Carrier Pigeon Instruction DRANOUTRE. (Divisional)	Pigeon Instruction.	3 days.	16	84	Covers 4 Courses.
School for junior Medical Officers, BAILLEUL.		7 days.	8	-	Covers 2 Courses.
Courses in Aircraft Spotting at "H" Bty. A.A. R.A.	About 2 weeks.		-	8	

Casualties from 1st. January to 31st. January 1918.

<u>Killed.</u>	<u>Wounded.</u>	<u>Missing.</u>
Off. O.R's.	Off. O.R's.	Off. O.R's.
1 28.	8 178.	- 3.

Sick Wastage for month of January 1918.

<u>Officers.</u>	<u>Other Ranks.</u>
29.	791.

Number of Officers and Other Ranks received by the Division during the month of January 1918.

<u>Officers.</u>	<u>Other Ranks.</u>
107.	1050.
