

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

Signals

**Item number:** 22/1/19

**Title:** Assistant Director Signals, 1st  
ANZAC Corps and Assistant Director  
Signals, Australian Corps

November 1917



AWM4-22/1/19



# WAR DIARY

Army Form C. 2118.

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

## INTELLIGENCE SUMMARY.

(Erase heading not required.)

A.D.Signals, I ANZAC Corps.

Place	Date	Hour	Summary of Events and Information	Month ending 30th Nov: 1917.	Remarks and references to Appendices
HOOGRAAF	1st Nov.		<p>The 'AA' Cable Section, under Sergt. Hammond, and 35 other ranks left this Corps for 2nd Army Signal Company to-day. They were replaced by the 'AK' Cable Section - one officer and 13 other ranks, who were posted to EN.1.</p> <p>'F' Cable section commenced the relief of 'J' Cable Section in the 'D' Sub-area to-day. O.C. 'F' Cable Section and remainder of his men will be stationed at RB. Relief will be completed on November 4th.</p> <p>The synchronisation of watches by sending an officer from Corps Staff to Divisions, etc., ceases to-day. Time Signal will be sent by wire from the Signal Office daily at noon.</p> <p>Captain J.L.G. BUCKLAND, (MC), reported to O.C. 5th Australian Divisional Signal Company for duty on promotion to-day.</p> <p>Lieut. W. BEAZLEY of 4th Australian Divisional Signal Company rejoined from hospital to-day.</p>		
	2nd Nov.		<p>Seventh Course at Corps Signal School concluded on 27th October. 20 Officers and 60 other ranks attended. 16 Officers obtained certificates as Second Class Instructors of Signalling and 4 failed to qualify. Of these one was in hospital from 21st October to 27th October. Of the 60 Other Ranks, 52 qualified as Assistant Instructors of Signalling, 5 failed to qualify, and 3 were admitted to hospital during the course.</p> <p>Instructions with regard to the employment of additional personnel with Brigade Sections were drafted out and approved, and issued as a G.S. Circular. Copy attached.</p> <p>O.C. 2nd Australian Divisional Signal Company reports the buried cable route AW - AZ blown out by shell-fire this evening. He hopes to be able to effect the necessary repairs in daylight.</p> <p>'AK' Cable Section has been employed to-day overhauling and strengthening the Y - ZB poled cable route.</p>		App. 1.



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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
HOOGRAAF.	3rd Nov.		<p>'F' Section have completed their relief of 'J' Section in the 'D' Sub-area. 'J' Section are now in the 'A' Sub-area.</p> <p>O.C. 2nd Australian Divisional Signal Company reports the break on the AZ - AW route has been located and is being repaired.</p>	
	4th Nov.		<p>The cables outside 'Y' Box had got into a very untidy condition and Lieut. Jackson commenced to-day to clear these up outside the test point.</p> <p>2nd Signal Construction Company also completed the leading in of the C - Y cable route along the bank at the Ramparts.</p> <p>Lieut. Spurr commenced the work of clearing up the cables leading into RB, and making the leading in neat and tidy.</p> <p>2nd Lieut. Harvey commenced reeling up the DH - Y route which has been replaced.</p> <p>During the day an 11" shell burst exactly on the ID - JT buried cable route. The crater was some 12 to 15 feet deep, but fortunately the cables which were at a depth of 6 feet from the surface were left unharmed across the middle of the hole.</p>	
	5th Nov.		<p>O.C. 2nd Australian Divisional Signal Company reports he has been able to restore 20 pairs on the AZ - AW buried cable route which was broken by shell fire on 2nd instant.</p> <p>The work of clearing cables and refitting 'Y' Box is making good progress.</p> <p>Maintenance Instructions No.7 were issued to day. Copy attached.</p> <p>Wireless calls were allotted to the 5th Australian Division to-day for practice purposes. A copy attached.</p> <p>Lieut. L.C.Lucas, (MC), of the 2nd Australian Divisional Signal Company evacuated wounded to-day.</p> <p>C - Y open wire route blown down about 9 a.m. by shell fire and repaired by 10.15 a.m. and again blown down in the section consisting of poled cable near 'Y' Box almost immediately afterwards. This second breakdown was more difficult to repair, but all wires were through and working by 2 p.m.</p> <p>A summary of the state of wireless, Power Buzzer and Amplifier communications on this front is attached.</p>	<p>App. 2.</p> <p>App. 3.</p> <p>App. 5.</p>



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HOOGRAAF.	6th Nov.		<p>A.D.Signals Order No. 10 issued to-day dealing with relief of "F" Cable Section by 'AK' Cable Section, the former moving to VIII Corps area on the 10th inst. to relieve AD Cable Section; also W.18 Motor Airline Section being relieved by 31 Motor Airline Section and proceeding to VIII Corps area to relieve 48 Motor Airline Section.</p> <p>Orders received to restrict Wireless working on this Corps front to the minimum to prevent interference with working on Canadian Corps front during operations.</p> <p>Lieut. Jackson's party engaged upon clearing up cables etc., outside 'Y' Box and marking Y - RB routes.</p> <p>Lieut. Spurr's party clearing outside of RB Box, and maintaining the B<sup>A</sup> - ID route. 2nd Lieut. Harvey clearing out EN.3, recovering old poled cable routes, etc. 2nd Lieut. Gardner's party filling in shell holes on ID - JT route.</p>	App.4.
	7th Nov.		<p>Lieut. Jackson's party - ditto - Lieut. Spurr's party - ditto - 2nd Lieut. Harvey's party - ditto - 2nd Lieut. Gardner's party - ditto -</p> <p>Similar orders with regard to the restriction of wireless working on this front to-day as yesterday..</p> <p>As a result of the shortage of officers in Signal Companies and to the fact that some time would elapse before any of the Signal Cadet Officers now in England would have completed their course and be available for posting to their units, it was agreed, as a result of a conversation with the D.A.G., A.I.F., that two direct commissions should be allotted to each Divisional Signal Company of the A.I.F. The undermentioned 10 officers were accordingly commissioned and posted to units mentioned, dating from 6th November.</p>	



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HOOGRAAF.	7th Nov.		<p>To be 2nd Lieutenants and posted to units shewn dated 6th November, 1917.</p> <table><tr><td>No. 1008</td><td>Sergt. (T/C.S.M.) O'Brien, J.</td><td>...</td><td>to 4th Aust. Div. Sig. Coy.</td></tr><tr><td>" 10609</td><td>" Fountain, S.</td><td>...</td><td>" 3rd Aust. Div. Sig. Coy.</td></tr><tr><td>" 3653</td><td>" Hiscock, H.F.J.</td><td>...</td><td>" 5th Aust. Div. Sig. Coy.</td></tr><tr><td>" 151</td><td>" McKinlay, J.L.</td><td>...</td><td>" 4th Aust. Div. Sig. Coy.</td></tr><tr><td>" 10786</td><td>" Gifford, A.S.H.</td><td>...</td><td>" 3rd Aust. Div. Sig. Coy.</td></tr><tr><td>" 189</td><td>" Harris, H.P.</td><td>...</td><td>" 1st Aust. Div. Sig. Coy.</td></tr><tr><td>" 50</td><td>" Mudford, B.E.</td><td>...</td><td>" 5th Aust. Div. Sig. Coy.</td></tr><tr><td>" 2417</td><td>" Russell, P.L.</td><td>...</td><td>" 2nd Aust. Div. Sig. Coy.</td></tr><tr><td>" 1783</td><td>" Dunbar, R.C.</td><td>...</td><td>" 2nd Aust. Div. Sig. Coy.</td></tr><tr><td>" 1095</td><td>" Smith, C.J.D.</td><td>...</td><td>" 1st Aust. Div. Sig. Coy.</td></tr></table> <p>O.C. 2nd Australian Divisional Signal Company reports 20 pairs have been restored on the AZ - AW route.</p> <p>Lieut. Slade, C.S. from 32nd Battalion, 5th Aus. Div. A.I.F., reported at Corps Signal School to day as Assistant Instructor.</p>	No. 1008	Sergt. (T/C.S.M.) O'Brien, J.	...	to 4th Aust. Div. Sig. Coy.	" 10609	" Fountain, S.	...	" 3rd Aust. Div. Sig. Coy.	" 3653	" Hiscock, H.F.J.	...	" 5th Aust. Div. Sig. Coy.	" 151	" McKinlay, J.L.	...	" 4th Aust. Div. Sig. Coy.	" 10786	" Gifford, A.S.H.	...	" 3rd Aust. Div. Sig. Coy.	" 189	" Harris, H.P.	...	" 1st Aust. Div. Sig. Coy.	" 50	" Mudford, B.E.	...	" 5th Aust. Div. Sig. Coy.	" 2417	" Russell, P.L.	...	" 2nd Aust. Div. Sig. Coy.	" 1783	" Dunbar, R.C.	...	" 2nd Aust. Div. Sig. Coy.	" 1095	" Smith, C.J.D.	...	" 1st Aust. Div. Sig. Coy.	
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	8th Nov.		<p>The weekly return of Wireless and Earth Induction Sets is attached.</p> <p>A list shewing the noves of this Corps and the Divisions concerned is attached.</p> <p>It is notified to-day that the promotions of Lieut. T.J.Farrow of 1st Aust. Div. Signal Company and Lieut. V.D.Bowen (MC) of the 3rd Aust. Div. Signal Company are both antedated to 1st May, 1916. This will be published in A.I.F. Orders.</p> <p>Some interesting statistics showing the work of the Signal Section 1st Anzac Heavy Artillery have been compiled. A copy is attached.</p> <p>The spurr to MG on the BX - ID route has been blown out owing to the explosion of an ammunition dump which had been placed over the route. 14 pairs have been disconnected. The work of repairing the route will be put in hand as soon as it is possible to get to the wires.</p>	<p>App.6.</p> <p>App.7.</p> <p>App.8.</p>																																								
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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
HOOGRAAF.	8th Nov.		No.3492 Sergt. W.P. Price proceeded to-day from Corps Wireless Section to Corps Signal School for duty as Assistant Instructor.	App.9.
	9th Nov.		A.D.Signals Orders No.11 re transfer of 'J' Cable Section from I ANZAC to Canadian Corps. Stores at EN.1 taken over by II Anzac Corps to-day. Handing over receipt signed.	
			Pigeons handed over to II Anzac to-day.	
			Lieut. J.B.Cane rejoined 2nd Australian Divisional Signal Company from Hospital to-day.	
			Sergt. Mashford left I Anzac Wireless Section for Cadet School, England, to-day.	
			'AK' Cable Section relieved "F" Cable Section at ID Box to-day.	
	10th Nov.		Lieut. Spurr and party engaged trying to find fault on BX - ID route where it was blown out by shell dump.	
			Lieut. Jackson and party engaged clearing leads and altering leading in wires at Y Box.	
			II Anzac Area Officers shewn round the area and test points by Lieut. Edwards.	
			'F' Cable Section left the area for Second Army to-day.	
			A new exchange is being fitted in a dug-out constructed by the Australian Tunnelling Company for the 10th H.A.G. The old exchange dug-out was in bad condition and under water, so a temporary exchange was constructed whilst the new one was being prepared and fitted.	
			4 R.F.C. operators belonging to the 4th Squadron who have been employed on Infantry Contact Aeroplane Receiving Sets were withdrawn on 6th November, 1917.	App.10.



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Page 6.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
HOOGRAAF	11th Nov.		<p>66th Division opened at Ramparts, YPRES, at 10 a.m. relieving 1st Australian Division. 1st Australian Division opened at REMESCURE at 10 a.m.. 5th Australian Division closed at SCOTTISH LINES and opened at BAILLEUL 11 a.m.</p> <p>Instructions having been received from Second Army to take certain steps to reduce the amount of jamming which has recently taken place with wireless communications, a report is furnished by the Corps Wireless Officer on the results obtained after a week's working.</p> <p>The Commandant, Corps Signal School, reports 2/Lieut. J.F.MANT, 1st Inf. Bn., A.I.F., and 2/Lieut. COURT, W.J., of 4th Inf. Bn., A.I.F., with 5 other ranks arrived at School on 9th instant having travelled to Brigade Rest Camp, CAESTRE, on 29th ultimo, sent to 1st Div. Reinforcement Camp on 30th where they reported to Major Kirby, who having no orders for them to proceed returned them to CAESTRE. After repeated enquiry they were ordered eventually on the 8th inst. to proceed to Corps Signal School. The movement order appears to have gone astray between the 1st Australian Division and the 1st Australian Divisional Reinforcement Camp.</p> <p>The Commandant, 1st Anzac Corps Signal School, reports that No.214 L/Cpl. CANDLISH, W.G., of the 2nd Aust. Field Artillery Brigade arrived at School on the 9th inst., the late arrival being due to his movement order being made out to 2nd Anzac Corps Signal School. Enquiries direct from his unit revealed his correct destination and he was promptly sent on. The delay is properly covered by Railway Transport Officers' certificates, etc.</p>	App. 10.
	12th Nov.		<p>Lieut. Spurr reports the re-arrangement at RB completed.</p> <p>Lieut. McLaughlin proceeded to FLETRE to-day to take over the Signal Office at new Corps Headquarters on VIII Corps.</p>	



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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
HOOGRAAF.	13th Nov.		<p>Details of the Buried Cable routes, Test Points, Maintenance, Allotment of Lines, Fittings in Test points, with a history of the construction of the system, also Wireless arrangements, Pigeon Service arrangements, and method of rationing the men in the forward test points, - copies of those handed over to the 2nd Anzac Corps for the relief which is now taking place, are attached.</p>	App. 11.
	14th Nov.		<p>A.D.Signals, Orders No.12 relating to the move of this Corps to FLETRE on the 15th inst, are attached.</p> <p>The portion of the buried route HH - HO between HH and the temporary test point, referred to in my War Diary entry for 19th October, was blown out this morning in six places. Efforts are being made to restore communication as quickly as possible.</p> <p>AZ - AW buriedcable route repaired by 49th Divisional Signal Company to-day.</p>	App: 12.
HOOGRAAF & FLETRE	15th Nov.		<p>The move of the I Anzac Corps to the VIII Corps Area was successfully carried out to-day according to orders. The Signal Office closed at HOOGRAAF at 12 noon and opened at the same time at FLETRE.</p> <p>All Signal Offices and Telephone Exchanges in I Anzac Corps area were handed over complete with instruments and fittings as they stand, that at HOOGRAAF to VIII Corps, and the remainder to II Anzac Corps..</p> <p>I Anzac Corps took over all Signal Offices and Telephone Exchanges in VIII Corps area complete with instruments and fittings, and subscribers telephones "in situ". Adjustments of instruments will be made later between O's.C.Corps Signal Companies.concerned.</p>	



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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices																								
FLETRE	15th contd:		<p>The following units were transferred from I Anzac Corps to 2nd Anzac Corps at the same hour :-</p> <table><tr><td>AN Cable Section.</td><td>AT Cable Section.</td><td>37 Area Signal Detachment.</td></tr><tr><td>10th H.A.G. Signal Sub-section.</td><td>22nd H.A.G. Signal Sub-section.</td><td></td></tr><tr><td>28th H.A.G. Signal Sub-section.</td><td>30th H.A.G. Signal Sub-section.</td><td></td></tr><tr><td>57th H.A.G. Signal Sub-section.</td><td>73rd H.A.G. Signal Sub-section.</td><td></td></tr></table> <p>Lieut. E.A. Edwards, R.E., attached supernumerary from 2nd Army Signal Company was also transferred as above.</p> <p>On taking over at FLETRE the following formations were transferred from VIII Corps to I Anzac Corps from 12 noon;-</p> <table><tr><td>WW Cable Section.</td><td>11 Area Signal Detachment.</td><td>13 Area Signal Detachment.</td></tr><tr><td>14 Area Signal Detachment.</td><td>12th H.A.G. Signal Sub-section.</td><td></td></tr><tr><td>41st H.A.G. Signal Subsection.</td><td>51st H.A.G. Signal Subsection.</td><td></td></tr><tr><td>52nd H.A.G. Signal Sub-section.</td><td>99th H.A.G. Signal Subsection.</td><td></td></tr></table> <p>The Pigeon Lofts, as detailed in A.D.Signals Orders No.12 of 14th Nov. (Appendix 12) were exchanged.</p> <p>The 3rd Australian Division is transferred from II Anzac Corps to I Anzac Corps on and from 12 noon to-day.</p> <p>The 5th Australian Divisional Signal Office closed at BAILLEUL at 10 a.m. and opened at DRANOUTRE at the same hour.</p> <p>The 4th Australian Division moves from BOMY area to-day on the first stage of the journey to L. of C. area, staging at FRUGES to-night.</p> <p>The 69th (Aust:) Squadron R.F.C. has relieved the 42nd Squadron R.F.C. at BAILLEUL and is attached to I Anzac Corps from to-day.</p> <p>The 104th (Army) Brigade R.F.A. and the 14th Anti-Aircraft Section are transferred from VIII Corps to I Anzac Corps to-day.</p>	AN Cable Section.	AT Cable Section.	37 Area Signal Detachment.	10th H.A.G. Signal Sub-section.	22nd H.A.G. Signal Sub-section.		28th H.A.G. Signal Sub-section.	30th H.A.G. Signal Sub-section.		57th H.A.G. Signal Sub-section.	73rd H.A.G. Signal Sub-section.		WW Cable Section.	11 Area Signal Detachment.	13 Area Signal Detachment.	14 Area Signal Detachment.	12th H.A.G. Signal Sub-section.		41st H.A.G. Signal Subsection.	51st H.A.G. Signal Subsection.		52nd H.A.G. Signal Sub-section.	99th H.A.G. Signal Subsection.		
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I ANZAC CORPS.

Army Form C. 2118.

Page 9.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
FLETRE.	15th contd:		<p>Captain L. Thoday, O.C.Corps Heavy Artillery Signal Section, reports that during the operations on the YPRES front between 6th September and 31st October, 46,454 messages and D.R.L.S. packets passed through the Heavy Artillery Signal Office; 31,232 of these were telegrams and 15,222 were D.R.L.S. packets.</p> <p>During the twentyfive days of September, 17,375 messages and 7,998 D.R.L.S. packets were dealt with giving an average of 1014 daily.</p> <p>During the month of October, 13,857 messages and 7,227 D.R.L.S. Packets were dealt with giving an average of 680 daily.</p> <p>The daily average of the whole period works out at 845 messages daily.</p>	
	16th Nov.		<p>Orders issued to-day by I Anzac Corps to I Anzac Cyclist Battalion to detail three N.C.O's and thirty men to report at 9 a.m. on the 18th inst. at STEENWERCK for work on buried cable routes.</p>	
	17th Nov.		<p>Nothing of unusual interest occurred to-day.</p>	



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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
FLETRE	18th Nov.		Wilson wireless set installed at M.35.c.85.15. (Sheet 28), Headquarters 5th Australian Division, as control station for the Left Division in the line.	
	19th Nov.		2nd Australian Division closed office at EECKE at 10 a.m. and opened at <del>RAVELSBURG</del> RAVELSBURG same hour. 4th Australian Division closed office at BOMY at 12 noon and opened at REGNIERE ECLUSE SAME HOUR. G.S.Circular No.106 - Overhearing, containing instructions for the use of Position Calls in the forward area was published to-day. Copy attached. A German pigeon, ring number 436.IV.17.A. with wing markings 13.IV.72 alighted at Stationary Loft No.6, situated at No.5 Rue de Sud, BAILLEUL, at 8 a.m. to-day carrying a message dated 18/11/17 which was immediately conveyed to the Intelligence Staff and found to be very important.	App.13.
	20th Nov.		After a consultation with the B.G.G.S. it was decided to establish the Listening Set in the AU CHASSEUR CABARET Pill Box at U.17.a.13.33. and instructions were issued by the Staff to the 3rd Australian Division to prepare the pill box by having it pumped out and properly drained.	
	20th Nov.		Lieut. Col. R.M.Powell, D.S.O., A.D.Signals, left Headquarters for leave. Signal Instructions No.1, Series 7, giving details of the communications in the area with proposals for improvements in various directions published to-day. Copy attached. Lieut. V.D.Bowen, (M.C.), reported to 5th Australian Division to-day on promotion to Captain.	App.14.
	21st Nov.		FZ dugout flooded. O.C. 3rd Australian Divisional Signal Company has arranged to give assistance in the morning to clear this. Return of Wireless and Earth Induction Sets for week ending 19/11/17 attached. Reports from Area Officers in charge of Nos.13 and 14 Area Signal Detachments on the condition of the buried routes in their respective areas, with suggestions for rearrangements and improvements. It was reported that the buried cable from LV to US had been blown out, but on investigation the report was found to be unfounded.	App.14.15



## WAR DIARY

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Army Form C. 2118.

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Page 11.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
FLETRE	22nd Nov.		XI Corps relieves XV Corps on right of I Anzac Corps at 4 p.m. to-day.	
	23rd Nov.		Captain C.H.Walsh, representing the A.D.Signals who is on leave in England at present, went to the I Anzac Corps Signal School on a visit of inspection accompanied by the Corps Wireless Officer, and the formation of a separate wireless course was discussed. Captain C.H.Walsh has prepared a report on his visit for the A.D.Signals.  2nd Lieutenant A. Hemsley reported; recalled from leave 22/11/17.	
	24th Nov.		XI Corps closed old position and opened new position at noon.  No.115438 a/Bdr. Stokes, R.G.A. (343 Bty.) Signal student at Corps Signal School marched out and instructed to rejoin his unit to-day for disciplinary reasons.  Lieut. J.L.G. Buckland reported to Signals 3rd Australian Division to day from 5th Australian Divisional Signals.	
	25th Nov.		Sergt. A.H.Weekes, Pigeon N.C.O., arranged classes with Major Watson, 2nd Australian Divisional Signal Company.	
	26th Nov.		Pigeon classes commenced to-day for 2nd Australian Division.  4th Australian Division established headquarters at GAMACHES to-day.	



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

## INTELLIGENCE SUMMARY.

(Erase heading not required.)

Page 12.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
FLETRE.	27th Nov.		<p>Work done by No.14 Area Signal Detachment during week 18th - 25th Nov. as follows.</p> <p>UR straightened up and route forward and back much improved.</p> <p>FZ in bad condition, test box in pool of water, required Field Company assistance to improve it.</p> <p>SF pumped out but only remained dry for a day or two.</p> <p>RD.2 - water drained to 1 ft. level and being kept at that level. Panel being moved higher up and will then be safe.</p> <p>LS is now straight and O.K.</p>	
	28th Nov.		<p>O.C. "K" Corps Signal Company visited Second Army and mentioned the importance of doing <del>work</del> away with Bailleul Corps Office. Agreed.</p> <p>Applied for Construction party from Army, and was informed that this Corps were first on the list for Construction party.</p> <p>Enquired about GQ Cable Section and was informed they cannot be sent to us at present.</p> <p>Spoke to "G" (Training) about Power Buzzer and Amplifier Courses. Orders are being issued for the 2nd Australian Division to provide twelve men to assemble at Corps Wireless H.Q. on 2nd December to commence course on Monday, 3rd December. Course to last one week.</p>	
	29th Nov.		<p>Return of all Wireless and Earth Induction Sets, 28-11-17.</p> <p>Lieut. A.W.Sirett left for 'L' Signal Battalion, HAVRE, to-day. Auty: Second Army A/307/215.</p>	App: 16.
	30th Nov.		<p>O.C. "K" Corps Signal Company visited by representatives of American Army Signals, Colonel Gibbs and Staff, who inspected 5th Aust. Divisional Signal Office, Left Division Central Visual Station, Kemmel Hill, also all Kemmel buried system and exchanges, Left Brigade Signals at Regent Street Dug-outs - both Infantry and Artillery, manned test-box PMN and unmanned test-box PDN.</p>	



HEADQUARTERS,  
I  
ANZAC.

G.175/382.

First ANZAC Corps.

2nd November 1917.

GENERAL STAFF CIRCULAR NO. 97.

SUBJECT:- Communications Personnel.

1.- With reference to General Staff Circular No. 80 of 4th August 1917, it is pointed out that the Assistant Brigade Section Officers provided under paragraph 2, and the increase of personnel provided under paragraphs 3, 4, and 5, for a divisional Signal Company are primarily intended to enable the division to carry out its forward Communications in Battle on the lines laid down in S.S. 148.

2.- When active operations are not in progress, and the division is holding a defensive sector, it is considered that communications can be maintained without the employment of the whole of the additional personnel mentioned above.

3.- It is suggested therefore that when a Brigade is holding the line the supernumerary brigade section officer should not accompany the brigade signal section, but should be employed out of the line for training such brigade section and battalion signallers of the brigade as may be held in reserve, or be at the disposal of the O.C. Divisional Signal Company for temporarily filling the place of any officer of the company who may be absent by reason of sickness, attending a course etc.

Also that as many of the additional personnel with the Divisional Signal Company and as many battalion signallers as can be spared should be kept out of the line for training purposes and attending schools of instruction.

The numbers that can be kept out of the line would of course depend on the conditions of the sector which the division is holding, and how much assistance it is desired to give battalions for their forward communications, vide paragraph 11 of General Staff Circular No. 80.

4.- It is pointed out that the additional personnel referred to above is mainly drawn from Signal reinforcements, the demand for which has recently been very large, and it is therefore essential to reduce the wastage of Signal personnel as far as possible.

*W.M. Ross*  
for

Brigadier-General,  
General Staff,  
First ANZAC Corps.

DISTRIBUTION

Second Army.	2.	'Q'	2.
1st Aust. Div.	10.	Ig.	1.
2nd Aust. Div.	10.	G.O.C.R.A.	1.
4th Aust. Div.	10.	C.E.	1.
5th Aust. Div.	10.	A.D.Sigs.	5.
B.G.H.A.	1.	A.D.O.S.	1.
'K' Corps Sig. Coy.	3.	D.A.G.A.I.F.	2.
1st ANZAC Corps School	2.	O.O.File	1.
G.O.C. )		Corr. File	1.
'AQ' ) 1 each.		War Diary	3.
'A' )			



16 app: 2 14

## I ANZAC CORPS BURIED CABLE SCHEME.

## Instructions for Maintenance No.7.

1. Reference Instructions for Maintenance No.6 of 23-10-17,  
paragraph 4 :-

Maintenance parties are now allotted as follows:-

A (Blue)	Sub-area	...	Belgian Chateau	...	J Section	(Lt.Comport).
B (Red)	"	"	YPRES	...	AT	" (Lt.Jackson).
C (Green)	"	"	Broken Bridge	...	AN	" (Lt.Spurr).
D (Black)	"	"	I D	...	F	" (2/Lt.Garner).
E (Purple)	"	"	HOOGE	...	16 Area Sig. Detachment	(under X Corps).

2. ZB point will not be manned in future unless specially ordered.

37 Area Detachment will provide one N.C.O. and two resident linemen at C Box.

Para. 5 of Maintenance Instructions No.6 will be amended accordingly.

3. The party from AK Cable Section will be quartered at EN.1 and be available for breakdown and clearing work in the area generally.

*R. Powell*

5th November,  
1917.

Lieut. Colonel, R.A.,  
A.D.SIGNALS, I ANZAC CORPS.

Distribution:	Copy No.
O.C. "K" Corps Signal Coy.	1.
O. i/c Signals, Corps H.A.	2.
O.C. 1st Aust. Div.Sig.Coy.	3.
O.C. 2nd Aust. Div.Sig.Coy.	4.
O.C. 4th Aust. Div.Sig.Coy.	5.
O.C. 5th Aust. Div.Sig.Coy.	6.
Lieut. Edwards.	7.
" McMurray.	8.
" Jackson.	9.
" Hemsley.	10.
" Harvey.	11.
" Garner.	12.
" Spurr.	13.
" Comport.	14.
Area Officer, HOOGE.	15.
War Diary.	16. ✓

I Anzac G.S.	} For information.
A.D.Signals, X Corps.	
A.D.Signals, Canadian Corps.)	



SECRET.

A. D. SIGNALS.	
1st ANZAC	CORPS.
No.	T.S. 360/10
Date	5/11/17.

O.C. 1st Aust. Div. Sig. Coy.  
 O.C. 2nd Aust. Div. Sig. Coy.  
 O.C. 4th Aust. Div. Sig. Coy.  
 O.C. 5th Aust. Div. Sig. Coy.  
 O.C. "K" Corps Signal Coy.  
 Corps Wireless Officer.

I Anzac G.S.  
 D.D. Signals, Second Army. ) For information.

-----  
 War Diary

1. The following Wireless Calls are allotted temporarily to 5th Australian Divisional Signal Company for practice purposes from this date :-

C E, P O, C I, P R', M V, P A'.

2. ACKNOWLEDGE.

*R. Powell*

Lieut. Colonel, R.A.,

A.D.SIGNALS, I ANZAC CORPS.

5th November,  
 1917.



First ANZAC Corps,

6th November, 1917

ORDERS BY A.D.SIGNALS.No. 10.

appendix 4

1. RELIEFS.

The party from 'AK' Cable Section now at KRUISTRAAT Farm will relieve 'F' Section in "D" Signal Maintenance Sub-area forthwith, under arrangements to be made by O.C. "K" Corps Signal Company. Relief to be completed by 10th inst. 'F' Section as relieved will assemble at KRUISTRAAT FARM.

2. MOVES.

(i) W.18 Motor Airline Section will be gradually relieved in I Anzac Corps area by 31 Motor Airline Section from II Anzac Corps, and on completion of relief will proceed to VIII Corps area to relieve 48 Motor Airline Section in that area.

(ii) 'F' Cable Section will proceed from KRUISTRAAT FARM to VIII Corps area on the 10th inst. to relieve 'AD' Cable Section in that area.

Details of moves and reliefs to be arranged by O.C. "K" Corps Signal Company with the O's.C. Corps Signal Companies concerned. Completion to be reported to this office.

3. 'J' Cable Section now stationed in 'C' Signal Maintenance Sub-area, (BELGIAN CHATEAU), will be held in readiness to move from I Anzac area, on receipt of further instructions.

4. ACKNOWLEDGE.

Lieut. Colonel, R.A.,  
A.D.SIGNALS, I ANZAC CORPS.

Distribution;

1. O.C. "K" Corps Signal Coy.
2. Area Signal Officer.
3. A.D.Signals, VIII Corps.
4. A.D.Signals, II Anzac Corps.
5. D.D.Signals, Second Army.
6. I Anzac G.S.
7. I Anzac A.Q.
8. War Diary.



W.32/5.  
2/11/17.

A.D.Signals,  
1st Anzac Corps.

*Appendix 5*

The following is a brief summary of the state of Wireless, Power Buzzer and Amplifier communications on this front. Map references where mentioned are Sheet 28.

#### WIRELESS.

Five stations are in operation as under:-

STATION.	Reference.	Call.	Manned by
Army Control Stn.	H.21.d.3.7.	DL, CA', CP.	Corps Section.
Corps Dtng. Stn.	I.14.b.1.8.	NR, PK, MH.	Corps Section.
Bde. H.Q. R.Div.	J.1.d.7.2.	MP, CF, CML,	R.Div.W/T Sect.
Bde. Fwd. Stn. R.Div.	D.28.d.5.7.	YN, DA, DV.	R.Div.W/T Sect.
Bde.H.Q. L.Div.	J.2.a.1.8.	ML, CY, CK.	L.Div.W/T Sect.

Good communication is established between all these stations.

The Army Control Station has been fitted with 80 ft. masts; and during the course of the next few days will have a  $\frac{1}{2}$  k.w. Pack Set substituted for the Wilson Set at present in use for transmission. Intercept reports are taken on the work between all stations on this Army front. It is also available to act as Corps Rear Directing Station in case of necessity, and is connected by telephone to EN.1 exchange.

The Corps Directing Station is adjacent to both Right and Left Divisional H.Q. at the YPRES Ramparts. A Wilson Set is used for transmission. A large reserve of stores and accumulators are kept at this station with a sergeant in charge who issues direct on receipt of demands from Div. W/T Officers and arranges means of sending stores forward.

One Trench Set is installed in vicinity of Right and Left Brigade H.Q. (which are adjacent) in Right Div. area, and one at Retaliation Farm, where it is near the head of the buried route and easy of access to Left Battalion and Left Brigade Forward Station.

In Left Div. area a Wilson Set is installed at Sans Souci, adjacent to Right and Left Brigade H.Q.; and a reserve trench set is kept available at the Left Brigade Forward Station, (though not manned), to erect in case of necessity, and communicate with the Wilson Set installed.

#### AMPLIFIERS.

Communication forward of the Wireless sets has been carried on by Power Buzzer and Amplifier in each Division. In the Right Div. area, combined Power Buzzer and Amplifier Stations for up and down working are situated as under:-

Station.	Location.	Call.
Bde. H.Q. R.Div.	J.1.d.7.2.	M A J.
Relay.	J.3.d.3.8.	C B D.
Bde. Fwd. Station	J.4.b.9.9.	M U T.

The following Power Buzzer and Amplifier Stations are established in the Left Division area:-

Station.	Reference.	Call.
R. & L.Bdes. L.Div.	J.2.a.1.8.	M S M.
Relay.	J.3.c.3.9.	C T T.
R.Bde. Fwd. Stn.	D.28.b.6.6.	C R O.
L. Battalion.	D.22.b.5.9.	M G E.

/Thus...



Thus in the Right Div. area alternate chains of wireless and Power Buzzer communication exist from near the front line to Brigade H.Q., with wireless back to Div. H.Q.; and in the Left Div. area P.B. communication exists from Left Battalion H.Q. to both Brigade H.Q., and wireless from there to Div. H.Q.

#### CHARGING ARRANGEMENTS.

A Corps Forward Charging Station is established at Sans Souci where accumulators from forward amplifier stations of both divisions are charged. An electrician from Corps Section has charge of the set which consists of one k.w. Ballot.

The Corps Charging Station is installed at the Ramparts with the Wireless Directing Station. A Ballot Set and a tapping from the electric light mains supplies the necessary current. A reserve of accumulators is maintained at this point and minor repairs can also be done when necessary.

The Corps Lorry Charging Set is situated at the Wireless Section H.Q., Stone Siding OUDERDOM.

#### GENERAL.

A considerable amount of business was transmitted while 5th Australian Division was in the line; and in the Left Div. area since the 1st Aust. Div. has held it. The excessive amount of jamming often greatly delayed messages; but conditions have improved since the new orders in respect to unnecessary calling have come into force. Also the rearrangement of wave lengths will, I think, be a considerable improvement.

A direct telephone line between the Army Control Station and Corps Directing Station has proved of great value. All messages received are taken down by each station, compared over the telephone, and thus the necessity for asking for wireless repetitions of doubtful groups of cipher largely eliminated.

An insufficient number of trained wireless and power buzzer personnel now exist in the Corps and Divisional Wireless Sections, to carry out a scheme of such extent as was possible during last active operations; but steps have been taken to train as many operators as possible while divisions are in rest.

(Signed) R. WILKINSON,  
Lieut.,  
Corps Wireless Officer,  
1st ANZAC.



CONSOLIDATED RETURN.

I ANZAC.

Australian Divisional Signal Company.Return of all Wireless and Earth Induction Sets.Monday s.To be rendered IN DUPLICATE to A.D. Signals, I. Anzac Corps, weekly (up to and including ~~Sundays~~).

Formation.	No. of Map.	Map square.	Type of set.	Wave length.	Call.
<u>WIRELESS.</u>					
H. Q. Station	28	G.35b2.8	Press		
Army Control Stn.	28	H.21d3.7.	Wilson	550	DL, CA', CP!
Corps Dting. Station	28	I.14b1.8.	"	"	NR, PK, MH.
Bde.H.Q. R. Div.	28	J.1d7.2.	T.S.	"	MP, CF, CML.
Bde. Fwd. Stn. R.Div.	28	D.28d5.7.	"	"	YN, DA, DV.
Bde. H.Q. L. Div.	28	J.2a1.8.	Wilson	"	ML, CY, CK.
<u>AMPLIFIERS.</u>					
<u>Right Division.</u>					
Bde. H.Q. R. Div.	28	J.1d7.2.	Amp. & P.B.	-	MAJ.
Relay	28	J.3d3.8.	"	-	CBD.
Bde. Fwd. Station	28	J.4b9.9.	"	-	MUT.
<u>Left Division.</u>					
R. & L. Bdes.L.Div.	28	J.2a1.8.	"	-	MSM.
Relay	28	J.3c3.9.	"	-	CTT.
R.Bde. Fwd. Stn.	28	D.28b6.6.	"	-	CRO.
L.Bde. Fwd. Stn.	28	D.22b5.9.	"	-	MGE.
L. Battalion	28	D.12c0.0.	"	-	MEB.

Date 7-11-17(Sd.) R. W. RobinsonO.C. Divisional Signal Co.Corps wireless off



SECRET.

A. D. SIGNALS.	
1st ANZAC	CORPS.
T.S. 376/3	
B/11/17.	

Appendix 7

D. D. Signals, Second Army.

O.C. "K" Corps Signal Coy. (for information).

1. Moves of Headquarters as follows are notified for your information, please;-

1st Aust. Div. H.Q. YPRES to RENESCURE 10 am. on 11th Nov.

1st Aust. Div. H.Q. RENESCURE to HALLENCOURT after 13th Nov.

2nd Aust. Div. H.Q. YPRES to EECHE 10 am. on 12th Nov.

2nd Aust. Div. H.Q. EECHE to RAVELSBURG on 18th Nov.

5th Aust. Div. H.Q. SCOTTISH LINES to BAILLEUL on 11th Nov.

5th Aust. Div. H.Q. BAILLEUL to DRANOUTRE on 15th Nov.

3rd Aust. Div. H.Q., II Anzac Corps, to STEENWERQUE on 14th Nov.

66th Div. H.Q. RENESCURE to YPRES 10 am. on 11th Nov.

49th Div. H.Q. STEENVOORDE to YPRES 10 am. on 12th Nov.

N.Z. Div. H.Q. NIELLE to SCOTTISH LINES on 12th Nov.

I Anzac Corps H.Q. HOOGRAAF to FLETRE 10 am. on 15th Nov.

2. I presume you will arrange communication via BAR to AYA and AYB when latter move to RENESCURE and EECHE respectively.

It is understood that communication to AYE at BAILLEUL on and after 11th November will be via BAR and HCO failing the provision of a direct circuit AVO to HCO.

Lieut. Colonel, R.A.,  
A.D. SIGNALS, I ANZAC CORPS.8th November,  
1917.



## Appendix 8

Headquarters,

1st Anzac Heavy Artillery.

A.D.Signals, (for information).

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In connection with the recent operations, the following particulars may be of interest :-

During the period 6/9/17 to 31/10/17, 46,454 messages and D.R.L.S. packets passed through H.A. Signal Office. 31,232 of these were telegrams and 15,222 were D.R.L.S. packets.

During the 25 days in September, 17,375 messages and 7,998 D.R.L.S. packets were dealt with giving an average of 1,014 daily.

During the 31 days of October, 13,857 messages and 7,227 D.R.L.S. packets were dealt with giving a daily average of 680.

The daily average of the whole period works out at 845 messages and packets per day.

(Signed) L. THODAY, Captain,

8th November,  
1917.

O.C. Signals, 1st ANZAC H.A.



Appendix No. 9

SECRET.

Copy No. ....

First ANZAC Corps,

8th November, 1917.

ORDERS BY A.D.SIGNALS.*Appendix 9*No. 11.

1. 'J' Cable Section (less operators, drivers, horses and vehicles) will move to-morrow, November 9th, from KRUISTRAAT FARM to GOLDFISH CHATEAU on transfer from I Anzac to Canadian Corps.
2. O.C. "K" Corps Signal Company will provide lorry transport for the move of the dismounted personnel as above. This party will carry two days rations.
3. The operators, drivers, horses and vehicles, of 'J' Cable Section will remain attached to "K" Corps Signal Company till further notice.
4. ACKNOWLEDGE.

*Reuborn*

Lieut. Colonel, R.A.,  
A.D.SIGNALS, I ANZAC CORPS.

Distribution:

O.C. "K" Corps Signal Co.	1.
A.D.Signals, Canadian Corps.	2.
A.D.Signals, II ANZAC.	3.
Area Signal Officer.	4.
D.D.Signals, Second Army.	5.
I Anzac G.S.	6.
I Anzac A.Q.	7.
War Diary.	8. & 9.



W.38/4.  
5/11/17.War Diary

A.D. Signals,

1st Anzac Corps.

Appendix 10

In reply to your T.S.331/8A of 3/11/17, I have to report that all the measures for prevention of mutual interference between Wireless Stations have been adopted, and the results as far as can be judged after such a short period of test, are satisfactory.

The re-arrangement of wave lengths has, as far as this Corps is concerned, been a great improvement; but as enemy jamming has been much less intense this week, it is difficult to say whether in the event of much business being offered he will take advantage of the comparative absence of mutual jamming between our own stations to redouble his own efforts to drown our work.

The amount of business offered has been so slight as compared with the previous week, that a comparison of the average time taken for transmission of messages would be of no value.

I think a week is a totally insufficient period over which to test the value of the rules laid down, or to draw conclusions therefrom.

In this Corps the number of calls per station per day has been restricted to four, previous to the new system coming into operation. It has not been necessary to take disciplinary action for irregularities in regard to procedure.

I am taking a keen interest in the matter and will have some suggestions to offer later.

(Sd) R. WILKINSON, Lieut.,  
Corps Wireless Officer, 1 ANZAC.



## I ANZAC CORPS

TS 397/4

BURIED ROUTES.  
=====

Set 4

Appendix 11

1. The accompanying schedule gives the particulars of the buried routes on this Corps front, with the numbers of serviceable pairs at date.

2. ROUTES. The following are known as "old buries"; -

EN.1. - C.  
C - CB - Y.  
C - E.  
Y - HG - HH.

EN.1 - EN.3 - C.  
QB - QA - F.  
Y - E.

These buries are all more or less in a bad state, though there <sup>are</sup> many pairs on them fit for local circuits. There are a few pairs suitable for use as portions of trunks.

A good deal of work has been done on the Y - HG - HH route lately, and this route should be fairly serviceable. The numerous intermediate test-boxes on these routes have been cut out and closed down.

The "quadrilateral" EN.1 - EN.20 - XT - C consists of shallow buries, but these are in good order and have not been damaged. They were constructed in September.

In addition to the old bury of 30 pairs from C - Y, there are 40 pairs of ditched armoured cable. 20 pairs run direct from C - Y, 20 from CB box to Y, being connected from C to CB by spares on the old bury. These ditched cables have always been unsatisfactory. New cables have been recently cut in between the Moat and Y Box, which has removed some short circuits. Most of the pairs shew earth, but the joints are good and probably the insulation of the armoured cable itself was in poor condition when laid. The whole C - Y route is not worth wasting time on, but it is desirable to reserve spares on it for Corps circuits for temporary use when the open wires into Y are broken.

Forward of Y, with the exception of the Y - HG - HH and the HG - RF routes, all routes are known as "new buries".

Y - RB, RB - BX, HH - BX are in good condition, and have been very little damaged. The leading into RB is a weak spot.

RB - HG is a link to connect the old and new systems.

HH - HO has been badly knocked about near HO, and is beyond repair for two sections nearest to HO. A Box has been fitted on the HH side of the gap whence 40 pairs are good to HH. This was to provide facilities to enable units to run ground cables over the gap to HO, if required, but it has been impossible to maintain any so laid. Owing to scarcity of labour it has been impossible to re-bury the bad part up to the present, and it was also considered advisable to wait till conditions were quieter and good work could be done before attempting the same. It will be well worth reconstructing this route when circumstances admit.

BX - ID is a most difficult route to maintain. It constitutes (with HH - HO out of action) the main forward bury. It has only been kept going by constant attention, and has been much patched up.

/The...



- 2 -

The chief trouble is the plank road which has been laid over the route since the latter was constructed, and which is constantly shelled. The route was originally split and 18 pairs led in and out of "MG" (I.12.c.3.2), which was a Brigade H.Q. at the time, and some pairs have been lost through this. It is impossible to find the junction owing to the road.

ID - JT was a good bury but has been broken more than once. About 70% pairs are still working. ID - WK, WK - JT, and WK - GW are routes of little importance. Many pairs have been lost, but there are still enough to be useful.

WK - PG, and AZ - PG were badly dug, and have been shot up beyond repair. They are not worth doing anything to.

JT - AZ is an important route, forming the sole main trunk. Unfortunately 35 pairs have recently gone 'dis' out of the 70, but efforts are still being made to recover these. It was a well dug route.

AZ - GP, GP - AL, and AL - TK are 'split' routes as shown on plan. AZ - GP was recently crumped and only 7 pairs are left. It may be possible to recover more, and work is going on, but a lot of casualties have been incurred in trying to restore this and the JT - AZ routes under present conditions.

GP - AL, AL - TK, and TK - RF are fairly satisfactory and the majority of pairs working.

RF - KF is a good route, but KF - MF has been blown out in many places and is probably beyond repair. KF at present serves as cable head for Left Division.

AZ - AW, AW - RF, RF - CR are small routes but have stood very well. CR is cable head for Right Division.

JT - SS - LR has been much knocked about and very few pairs are sound. It was decided not to reconstruct this route, as it was unlikely that Brigade Headquarters would remain at LR, and it would therefore be no use.

not  
HO - ID is a good route, as it was impossible to get full depth, but it has stood wonderfully well and has been very useful.

HO - CJ, CJ - GW are X Corps routes and were useful to us as an alternative when HH - HO was working. We had 7 pairs HH - HO on X Corps route via SW, but this has been blown out and, I understand, also abandoned for the time.

DV - JT forms the connection with buried system of Corps on left, and LR is also connected to latter.

ZB - HH has 14 good pairs. Y - ZB is poled cable. This route was constructed as an alternative to get HH or BX should Y - RB, or RB - BX go down, before Y - HG - HH was restored. It is not much used but might be.

6th November,  
1917.

Lieut. Colonel, R.A.,  
A.D.SIGNALS, I ANZAC CORPS.



### 5. MAINTENANCE.

Corps Signals maintain all routes as far forward as the line JT - WK - GW. Forward of JT the routes are in Divisional maintenance as under :-

Right Division. AZ - AW, AW - RF, RF - CR.

Left Division. JT - AZ, AZ - GP - AL - TK, TK - RF, RF - KF, KF - MF, also LR - SS - JT.

The organization for maintenance by Corps Signals is as shewn on attached ~~schedule~~ coloured plan. This was based on having available 5 Cable Sections, 1 Area Detachment, and the part use of the Area Detachment at HOOGE which is under X Corps. This arrangement enables one section to be kept in rest at EN.1, where there is good accommodation for men and horses. This section is available as breakdown party or for such clearing work as may be required in the area.

The area officer and the H.Q. of 37 Area Detachment are quartered at EN.1. The Area Detachment does not maintain any particular area, but finds certain linemen in boxes and does such maintenance and clearing work about the area as may be required.

The section in 'A' Sub-area live at Belgian Chateau. It was the intention not to man 'QB' box in the future, and therefore 'E' boxes the only out box in this sub-area that need be manned. EN.20 is manned by airline men.

The section in 'B' sub-area live in YPRES, and in addition to the maintenance of the red routes are responsible for finding repair parties for Corps poled cable routes in the town. This section does not man any out boxes.

The H.Q. of the section in 'C' sub-area is at Broken Bridge (Hell Fire Corner), where new accommodation has recently been constructed. This section finds two men at BX and 2 at HH.

The H.Q. of the section in 'D' sub-area is at ID Box (Bellewarde Ridge). This section finds two men at JT and two men at WK. The accommodation at ID is very bad, and the section have a very uncomfortable time, and should not be kept in this area more than a week or ten days. To ease matters I have arranged that the section officer may, if he prefers it, live at RB when no operations are in progress, and also keep at RB any men he does not actually require at ID.

16 Area Detachment work conjointly under this and X Corps, and are responsible for HH - HO and ID - HO routes. This detachment has a very big maintenance for X Corps, and would probably require assistance for breaks on either of our two routes mentioned above.

Horses and vehicles of cable sections, except in the case of the section at rest at EN.1 are kept back at Corps H.Q.

A party of 50 Infantry has been allotted permanently by Corps to assist in the maintenance of buried routes. These men are quartered at Belgian Chateau, and are the disposal of the Area Officer at EN.1. They go out daily as most required by the Signal Sub-area officers for filling in shell holes etc. It would have been impossible to maintain the routes without such assistance. The great difficulty in maintaining the forward routes is to find them. Although they have been carefully marked, so many roads, tracks, train lines, etc., have sprung up over them, and the ground is so continually torn up with shell holes that it is most difficult to recognize landmarks for any time. The routes require constant patrolling and re-marking.



#### 4. TEST POINTS.

The Test points at EN.1 and EN.20 are very good. EN.1 is a dug-out, and EN.20 a cellar. C Box has recently been reconstructed in the basement of Belgian Chateau and is now good.

QB is poor.

Y Box has recently been enlarged and fitted with new test boards and is now in very good order. It is lit with electric light. There is still a lot of work to be done in clearing up derelict cables about the Ramparts, but this is in hand.

RB Box is a small place but it has recently been strengthened, and is being rewired and refitted inside. ZB Box is a miserable place. There is room for two linemen, but it should not be necessary to man this box. It has been closed down and a door fitted.

BX is at the bottom of the deep dug-outs at Birr Cross Roads. It is very damp and was recently completely flooded out. After great difficulty it was pumped out, and new test racks have been fitted. Culverts have been constructed across the road to drain off the surface water, and there has been no serious trouble since, but it wants watching. The leading in of the cables into the dugout requires improvement and this work is in hand. It is intended to fit a wooden casing for these. HH is in the deep dug-outs at Halfway House. It is much better than BX, and the test racks and wiring are satisfactory, but the cables want encasing down the stairs and straightening up. This is in hand.

HG Box is under water and a new test point is being built. There will be suitable accommodation for linemen in the new ~~shelter~~ shelter if required.

HI Box is being cut out and closed down and the Y - HG - HI route led straight into HH.

ID Box requires strengthening. It has had several direct hits on it. A dressing station is in another part of the box, and if this moves it would greatly help if the accommodation could be secured for Signals. So far it has been impossible to get any further dug-out accommodation there.

The forward test points are more or less satisfactory but are mostly small and cramped. A new dug-out is being constructed at CR.

The test points have been fitted with plug and socket boards as linemen's exchanges throughout the system and these are satisfactory. A list of fittings and stores in test points is attached.



### 5. ALLOTMENT OF LINES.

The allotment of lines on buries in Corps maintenance is controlled by the Area Officer at EN.1. Each Sub-area officer keeps a record of allotment and use of circuits on routes in his maintenance. The general record is kept by the Area Officer at EN.1. Allotments of new circuits are only made after reference to and approval of A.D.Signals. Sub-area officers only allot new circuits after reference to and under instructions of Area Signal Officer. The Area Signal Officer is, however, empowered to divert existing circuits on to such spares as are available in the event of any breakdown occurring.

Forward of Corps Maintenance, allotment of lines is made by each Division on the routes it maintains, subject to a general proportionment of allotment made on each route by A.D.Signals at the time the route is constructed.

The original allotment as between Corps and Right and Left Divisions on the new buries was as shown on attached table. Where routes have partially failed, the allotment has been reduced proportionately, at discretion of the officer responsible for maintenance of the particular route. Allotment to Corps includes requirements of H.A.

Highest numbers on each route are retained for linemens' circuits and included in "Reserve".



Summary of I Anzac Corps Buried Routes.

Route.	No. of Pairs	Cable used.	Work- ing Pairs	Dis.	Spare.	REMARKS.
EN.20 - XT	16	2 - 7 pair 1 quad.	7	1	8	Shallow bury.
EN.20-EN.1	32	4 - 7 pr. 2 quad.	19	9	4	Shallow bury.
EN.1 - C (new)	40	20 b.s. quad	18	-	22	Shallow bury.
EN.1 - C (old)	25	25 ar. twin.	12	1	12	Shallow bury.
EN.1 - C (old) via B.	18	18 ar. twin.	15	3	-	Shallow bury.
QB - QA	40	20 quads.	17	5	18	Some pairs via EN.3.
QA - F	42	21 quads.	11	1	7	
C - Y (old)	50	25 quads.	21	24	5	
C - Y (new)	20	10 quads.	16	4	-	
C - E	35	Misc.	11	14	16	
E - Y	30	Misc.	4	26		7 pairs only between YA and Y.
Y - HG	30	4 - 7 pr. 1 quad.	-	9	21	
HG - HH	30					
HG - RF	16		8	8	-	
<hr/>						
Y - RB	54	6 - 7 pr. 6 quad.	45	9	-	Dug 6/9/17.
Y - ZB	16	Poled cable	7	4	5	Erected 26/9/17.
ZB - HH	16	8 - quad. 6 - 7 pr.	7	2	7	Dug 25/9/17.
RB - BX	54	6 quad.	50	4	-	" 9/9/17.
RB - HG	28	4 - 7 pr.	8	-	20	" 9/9/17.
HH - BX	54	6 - 7 pr. 6 quad.	43	7	4	" 9/9/17.
HH - HO	54	6 - 7 pr. 6 quad.	-	54	-	" 14/9/17. 40 pairs work- ing from HH to 2nd section. Test box made. Dug 6/9/17.
BX - ID	54	6 - 7 pr. 6 quad.	35	19	-	
ID - HO	54	6 - 7 pr. 6 quad.	24	27	3	Dug 10/9/17.
ID - JT	70	23 twin. 6 - 7 pr.	39	18	13	" 20/9/17.
ID - WK	25	3 - 7 pr. 2 quad.	9	16	-	" 20/9/17.
WK - JT	25	3 - 7 pr. 2 quad.	1	17	7	" 23/9/17.
GW - WK	26		6	20		" 24/9/17.



~~N Xipuaddy~~

## Summary of Divisional Buried Routes.

## I Anzac Corps.

ROUTE.	No. of Pairs.	Cable Used.	Work-ing Pairs.	Dis.	Spares.	Remarks.
JT - AZ	70	6-7 pr. 28 twin.	32	35	3	4 N.Z.R.B. Dug 28/9/17.
AZ - GP	70	- do -	7	63	-	Dug 30/9/17 (Fault in hand).
GP - AL	42	6 - 7 pr.	8	8	23	Dug 1/10/17.
AL - TK	42	6 - 7 pr.	15	4	23	" 2/10/17.
TK - RF	42	6 - 7 pr.	9	10	23	" 7/10/17.
JT - SS	25	3 - 7 pr. 2 quad.	7	18	-	" 29/10/17.
SS - LR	25	- do. -	9	16	-	" 30/10/17.
AZ - AW	28	4 - 7 pr.	20	8	-	" 2/10/17.
AW - RF	28	4 - 7 pr.	18	10	-	" 5/10/17.
RF - KF	44	6 - 7 pr. 1 quad.	6	38	-	" 8/10/17.
KF - MF	44					Route dis.
RF - CR	28	4 - 7 pr.	19	9		Dug 10/10/17.
WK - PG	Beyond repair.					Route dis. Dug 20/9/ 17.
PG - AZ						
						- do. -



ALLOTMENT OF LINES.

ROUTE.	CORPS.	RIGHT DIV.	LEFT DIV.	RESERVE.
Y - RB	20	10	10	14
RB - BX	20	10	10	14
BX - ID	12	4	12	26
BX - HH	10	12	4	28
HH - HO	10	12	4	28
ID - HO	10	4	4	36
ID - WK	20			5
GW - WK	8			18
JT - WK	10			15
ID - JT	10	15	15	30
JT - AZ	20	15	15	20
LR - JT	All Left Division allotment.			
AZ - GP	15	-	15	40
GP - TK	15	-	15	12
TK - RF	15	-	15	12.
RF - KF	15	-	15	14
KF - MF	15	-	15	14
AZ - AW	5	15	-	8
AW - RF	5	15	-	8
RF - CR	5	15	-	8
ZB - HH	All Corps reserve for emergency.			



CORPS STORES IN TEST BOXES.

B O X.	Ringing ' Phones.	D.III's.	Galvos etc.	Terminal strips.	Plug & Socket Boards.
EN.1	10	8		14 - 8 pair. 8 - 10 pair. 8 - 18 pair. 1 - 12 pair. 1 - 21 pair.	4 10-cell batt. 2 transformers. 4 fuze frames. 1 S.C. Set. 1 40-line ringing exchange. 1 frame 89 pairs.
EN.20.	2	1	2 Q. & I.	1 - 10 pair. 1 - 8 " 10 - 7 "	
ID.	1			4 - 50 pair. 7 - 10 " 4 - 8 " 2 - 4 "	3.
JT.				3 - 50 pair. 2 - 25 pair. 3 - 20 pair. 1 - 8 "	2 - 4 way.
WK				5 - 25 pair. 8 - 10 "	5.
RB.		1	2 S. & D.	2 - 34 pair. 1 - 32 pair. 1 - 28 " 2 - 12 "	1 - 9 way.
BX	1	1		4 - 34 pair. 3 - 10 "	1 - 6 way.
MR	1	1		2 - 50 pair. 11 - 10 pair. 3 - 7 pair. 1 - 30 pair.	1 - 6 way.
C.	2.			1 - 30 pair. 1 - 44 "	1 - 9 way. 1 Terminal board 350 pair.



B O X. 'Ringing' D.III's. 'Salvos, etc.' Terminal strips. Plug and  
Phones. Socket Boards.'

C (contd).			1 - 15 pair.		
			1 - 50 pair.		
			4 - 10 pair.		
DM.	1	1	1 - 48 pair.	1 - 4 way.	(Shown also on "K" Coy. list.
E.			1 portable Test set No.1. 21 - 8 pair.	1 - 8 way.	
Y.	4	1	2 - 30 -	10 - 18 pair. 2 - 30 pair.	1 - 8 way. 3 - 1 way. 2 French Exchanges. Also 1 Test frame 400 prs. and Test Frame 105 pairs.
HG.				10 - 16 pair. 4 - 15 pair. 4 - 30 pair.	
HI				15 - 13 pair.	
ZB				2 - 50 pair.	1 - 4 way.
QB				1 - 12 pair. 3 - 8 pair.	1 - 4 way.
AZ				5 - 25 pair.	1 - 4 way.
AW				1 - 25 pair.	2 - 4 way.
RF				1 - 14 pair. 3 - 10 pair. 1 - 25 pair.	1 - 4 way.
CR.				1 - 25 pair.	
SS.				2 - 10 pair.	

Appendix No. 11



B O K 'Ringing Plug and Socket  
Phones.' D.III's.' Salves, etc.' Terminal strips.' Boards.

LR 2 - 10 pair.

GP 2 - 50 pair.  
7 - 10 pair.

AL 2 - 50 pair.

TK 2 - 50 pair.  
4 - 10 pair.

KF 3 - 14 pair.

DV 4.







29-9-17.

HISTORY OF 1st ANZAC CORPS SIGS. NEW BURIED ROUTES.

The new buried system of the 1st Anzac Corps was commenced on 5th September, 1917.

The whole scheme, approximate by 6½ miles, was dug by the 1st and 3rd New Zealand Rifle Batts. and was finished by the morning of 14th Sept., so far as the actual digging was concerned.

The task was divided between the two Batts. as follows.

1st Battn. dug the trench from Y to RB, BX to HH and HI, HH to HO, and HO to CJ.

The 3rd Battn. dug from RB - ID and ID to HO.

The cable trench holds 54 pairs thro' the system except between HO and CJ, where a 100 pairs were put in. Between RB and HG, 28 extra pairs were laid, and between HH and HI on the existing route 60 pairs were laid, so that the old route between Y and YP could be connected.

The proportions of cable in the 54 pair routes are as follows :-

- 6 - 7 pair (partly armoured and partly brass sheath).
- 6 - quad (armoured).

The 100 pair route consists of :-

- 12 - 7 pair brass sheath cable.
- 8 - quad armoured.

The 28 pairs from RB to HG -

- 4 - 7 pair brass sheath cable.

The jointing and marking of all routes was done under the direction of 2/Lt. Paul, R.E., and was carried on at the same time as the digging, so far as possible.

2/Lt. Hare, R.E., was responsible for the leading in of all routes to the various test boxes and dug-outs.

Two cable sections were attached to each battalion and they were responsible for the laying of the cable.

BD Cable Section under 2/Lt. Starbuck, R.E., and J Cable Section under 2/Lt. Hedderwick, R.E., were with the 1st N.Z.R.B.

AT Cable Section under 2/Lt. Jackson, R.E., and P Cable Section under 2/Lt. Helmsley, E. Surrey Regt., were with the 3rd N.Z.R.B.

Route Y - RB. (1st N.Z.R.B.)

This route was commenced on the morning of 5th Sept. 1917, and about 400 yards were laid. Across the moat layers of sandbags have been ~~put~~ placed on the cable to form a protection against shell fire. Average depth of trench in Ypres is 8 ft. From the Moat to RB the average depth is 5'6" and was completed on the night of the 6/7-9-17.

The route has been "crumped" twice on the one day. The shell holes were about 10' deep. Position of breaks - one on the railway cutting, and one 60 yds. East of RB. Since then there has been no trouble.

/Route...



Route RB - BX (3rd N.Z.R.B.)

This route was dug on 8th and 9th Sept., 1917. It was commenced from the BX end. Average depth 5'6". Composition of cables is the same as Y - RB.

Up till the present this route has not been crumped. 28 pairs have been laid between RB and HG box on existing route.

Route BX - ID (3rd N.Z.R.B.)

Commenced on night of 5/8-9-17 from ID. The digging was very difficult on this part of the route owing to the bad ground. The area is very badly shell-holed and at the time of digging these were full of water. Pumps were used freely and with great success. At the BX end the ground is worse to dig than at the ID end, but the average depth was maintained at 5'6".

Fourteen pairs were lost between I.12.c.8.7 and I.12.a.3.1, so a new trench was dug and 2 7-pair cables were put in. This route has been cut once by a "dud" shell which penetrated about 10 feet into the ground; this happened at I.11.d.1.2 before the route had been completed. Since then it has been hit in several places but has not "gone down".

Route BX - HH (1st N.Z.R.B.)

Commenced on night of 7/8-9-17 and finished 8/9-9-17. This is a 54 pair route of the same composition of cables as the others. An extension of 60 pairs has been made to the old HI box and the old route has been connected up so that it can be controlled from HH box. The route was cut by a shell before the jointing was completed. Since then it has been thro' all the time.

Route ID - HO (3rd N.Z.R.B.)

Commenced on night of 9/10-9-17 and finished 10/11-9-17. Digging was commenced from HO end. It was tried to drive a way thro' Chateau Wood but this was found to be impossible owing to the tree routes and water. The route was brought on the east side of the wood thro' very wet ground. The average depth in the valley is 4'6". A greater depth was impossible owing to the water which rose in the trench as soon as it was dug. On the high ground at ID and HO the depth averages 5'6". This route has been cut three times; twice at the door of HO dug-out, and once ~~see~~ about 100 yds. from HO.

Route HO - CJ (1st and 3rd N.Z.R.B.)

This route was dug partly by the 1st and 3rd N.Z.R.B., and was done on night of 13/14-9-17. Average depth 5 feet. The ground is very bad from HO to the D/2 entrance to the tunnel. From D/2 entrance to CJ was laid by the Bde. in the tunnel. 100 pairs buried.

In the open this route has not been cut, but at HO dug-out entrance it has been cut twice. Considerable difficulty was experienced in the jointing owing to the heavy shelling of the area.

Route HH - HO (1st N.Z.R.B.)

Commenced 8/9-9-17 and finished 13/14-9-17. 54 pairs were laid. Average depth 5'6". Route has been cut once at HO end.

The 3rd N.Z.R.B. dug 220 yards of the trench at the HO end. This route has not been cut since the first time.



- 3 -

During the actions of the 20th and 26th Sept., 1917, the buried systems stood well. Communications forward were thro' at these dates.

Route GW - NB - PG.

A new 70 pair route between the above points was put in by the 4th N.Z.R.B..

It was commenced on 22/23-9-17 from PG - NB. Average depth was 5 feet.

On 23/24-9-17, NB - junction with 5th Div. bury from GW was completed.

The joints were made and test ~~point~~ boards were put in at the 3 boxes mentioned and the lines tested well. Only three pairs were lost right through. On the morning of 26-9-17 these routes were blown out between J.14.b.3.4 and NB so that it could not be repaired. Three hundred yards forward from NB the same thing occurred.

These routes are now out of commission.

Route GW - WK.

Twenty-six pairs were laid by the 4th N.Z.R.B. to join up with Divl. bury from WK on night of 24/25-9-17. Average depth 5'6". Route tested out and put on boards 25/9/17. No trouble has occurred so far on this route.

Route ID - JT - AZ.

Seventy pair route dug by 4th N.Z.R.B. commenced 26-9-17. Average depth 5 feet. Digging started from ID end. JT to AZ was done 27/28-9-17. Average depth 5 feet. These routes tested out well, only four pairs being lost. Up till now (3-10-17) the routes have not been cut.

The jointing and wiring up of the dug-outs on the routes forward of ID was done under the supervision of 2/Lt. McMurray, R.E.

I am, Sir,

Your obedt. servant,

(signed) Robt. McMURRAY,

2/Lt. R.E.

EN.1.  
3/10/17.



I ANZAC CORPS

WIRELESS ARRANGEMENTS

The following summary shews the present arrangements for Wireless Communications on the Corps front.  
Map reference Sheet 28.

WIRELESS.

Five stations are in operation as under :-

<u>Station.</u>	<u>Set.</u>	<u>Location.</u>	<u>Call.</u>	<u>Manned by</u>
Army Control Stn.	Wilson.	H.21.d.3.7.	DL, CA', CP.	Corps Sect.
Corps Drtng. Stn.	Wislon.	I.14.b.1.8.	NR, PK, MH.	Corps Sect.
Bde.H.Q. R.Div.	Trench.	J.1.d.7.2.	MP, CF, CML.	R.Div. W/T Sect.
Bde.Fwd.Stn.R.Div.	Trench.	D.28.d.5.7	YN, DA, DV.	- do. -
Bde.H.Q. L.Div.	Wilson.	J.2.a.1.8.	ML, CY, CK.	L.Div. W/T Sect.

Good communication is established between all these stations.

The Army Control Station has been fitted with 80 ft. masts. A  $\frac{1}{2}$  k.w. set has also been installed for use when required. Intercept reports are taken on the work between all stations on the Army front. The station is also available to act as Corps Rear Directing Station in case of necessity. It is connected to EN.1 exchange and also by direct line to Corps Directing Station at Ramparts.

The Corps Directing Station is adjacent to both Right and Left Divisional Headquarters at YPRES. Delivery of messages is by orderly provided by Corps Section.

A reserve of stores and accumulators is kept at this station with a sergeant in charge who issues direct on receipt of demands from Divisional W/T officers and arranges means of sending stores forward.

AMPLIFIERS AND POWER BUZZERS.

Communication forward of the wireless stations is carried forward by P.B. and Amplifier on each divisional front. In the Right Division area, combined power buzzer and amplifier stations for up and down working are situated as under.

<u>Station.</u>	<u>Location.</u>	<u>Call.</u>
Brigade H.Q.	J.1.d.7.2.	M A J.
Relay	J.3.d.3.8.	C B D.
Brigade Fwd. Stn.	J.4.b.9.9.	M U T.

In the Left Divisional Area, similar stations are ~~established~~ established as follows :-

Brigade H.Q.	J.2.a.1.8.	M S M.
Relay.	J.3.c.3.9.	C T T.
Bde. Fwd. Stn.	D.28.b.6.6.	C R O.
Left Battn.	D.22.b.5.9.	M G E.

Thus in the Right Divisional area alternate chains of P.B. communication exist from near the front line to Brigade H.Q. with Wireless thence to Divisional H.Q., and in the Left Divisional area P.B. communication exists from Left Battalion H.Q. to Brigade H.Q. with wireless.thence to Divisional H.Q.

/Charging...



CHARGING ARRANGEMENTS.

A Corps Forward Charging Station (1 k.w. Ballot Set) is established at Sans Souci where accumulators from forward stations of both divisions are charged. An electrician from Corps Section is in charge of the set.

The Corps Charging Station is installed at the Ramparts with the Corps Directing Station. A tapping from the electric light mains supplies the necessary current. A reserve of accumulators is maintained at this point, and minor repairs can also be done when necessary.

The Corps Lorry Charging Set is situated at the Wireless Section H.Q.

GENERAL.

The Headquarters of the Wireless Section is situated on the RENINGHELST - OUDERDOM Road opposite stone siding at G.35.b.2.7. Protected accommodation has been provided here. A hut has been erected as a school room for training and accommodation of reinforcements. The wireless mechanics' shops are installed here.

Press and Time Signals are taken at this station.

The direct line between the Army Control and Corps Directing Stations has proved of great value. All messages received are taken down by each station and compared over the telephone, and thus the necessity for asking for Wireless repetitions of doubtful groups of cipher, etc., is greatly eliminated, and jamming reduced accordingly.

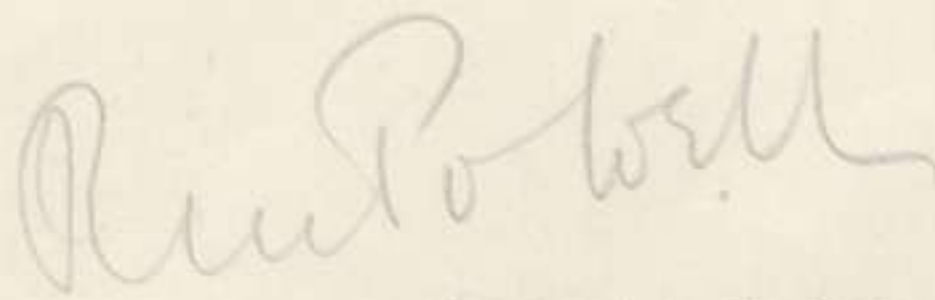
Wave length for this Corps is 550 metres.

The following wireless calls have been allotted to this Corps :-

ZR', MP, PM, CF, ZB', CML, CP', ML, PN, CY,  
MH, CK, ZW, CN', CA', CZ', PK, CPE, DL, NQ,  
DQ, NU, DF, DS, DV, YI, NR, DA, NG, CE,  
PR', ZE, PO', CU, PO, MV, MN', ZN, ZI, CI,  
PA', CM, PC, ME'.

Power Buzzer and Amplifier calls are as laid down in D.D.Signals, Second Army, secret letter 6227 of 24/9/17.

There are no C.W. Sets working in the area.



Lieut. Colonel, R.A.,

A.D.SIGNALS, I ANZAC CORPS.

6th November,  
1917.



## I ANZAC CORPS PIGEON SERVICE

\*\*\*\*\*

Appendix No. 11

The attached schedule shews the Pigeon Lofts in this area which are allotted to the I Anzac Corps.

It will be seen that two lofts with a total number of 137 pigeons are allotted to the Right Division, and two lofts with a total number of 130 pigeons to the Left Division. These four lofts are connected by telephone to EN.1 exchange. Normally the division provides one telephonist at each loft allotted to it for the purpose of disposing of messages by telephone as received at the loft. At present, however, as the 1st Australian Division is not using any pigeons, their two operators have been withdrawn.

No.5 Motor Mobile Loft, which supplies the Heavy Artillery and is also used as a reserve loft, is immediately opposite the Heavy Artillery Signal Office and messages are handed into the Signal Office direct by the man in charge of the loft, and telegraphed from there to Corps for transmission.

The Corps Pigeon Sergeant is in general charge of all the lofts, and was at EN.1, where a pigeon D.R. is also stationed.

The arrangements for the supply of pigeons to Divisions are as follows. Not later than 8 p.m. each evening each division in the line advises the Pigeon Sergeant the numbers of birds required on the following day. These birds are taken out by the Pigeon Sergeant and D.R. at 5.30 a.m. the following morning to the refilling point, WHITE CHATEAU, (location I.10.c.3.3) arriving there about 40 minutes later, where they are handed over to the men sent from divisions to receive them.

The supply of birds is normally limited at present to two per battalion in line, and they are renewed every 24 hours.

The Right and Left Divisions have each been supplied with 50 assault baskets, and the Corps Heavy Artillery with 20. In each assault basket is placed a waterproof envelope containing message forms sufficient for two messages, clips, and a pencil. A reserve stock of baskets, message forms, etc., is held by the Pigeon Sergeant at EN.1.

(A...



- 2 -

In each assault basket is placed a waterproof envelope containing message forms sufficient for two messages, clips, and a pencil.

A reserve stock of baskets, messages forms, etc., is held by the Pigeon Sergeant at EN.1.

A schedule is furnished weekly by the pigeon Sergeant on a form as per attached Specimen 1, shewing the work done daily, also a weekly casualty report of any birds killed or missing for 6 days, on forms as per specimen 2, attached.



1<sup>st</sup> Anzac Corps.Carrier Pigeon Service.

Loft	Location	Men in charge.	Nº of Birds available.	
R. 25 Stationary.	EN. I.	Pnr Pullen. " Kean.	70.	
5. Motor Mobile	Brandhoek	Cpl Trewartha. D <sup>r</sup> Finney.	80.	
19 Horse Drawn	EN. I.	Cpl Gumbrill. Pnr Harvey.	64	
24 Horse Drawn	"	Cpl Butler Pnr Whittaker	67.	
57 Horse Drawn	"	Cpl Saunders Pnr Gragham	53.	
58 Horse Drawn.	"	Cpl Wallace.	67.	
62 Horse Drawn	Ecole Ypres.	Cpl Hilton Pnr Taylor	80..	
63 Horse Drawn	"	Cpl Sanders Pnr Diskill	79.	



-- NOTES ON RATIONS. --

Rations have been arriving at Corps Signal Headquarters at 12 noon daily.

For the Signal Stable Camp the cooks with a limber are sent up to the ration stand at 2-45 pm. for the purpose of taking away their own rations.

The H.Q. Signal Camp send over their cooks at the same time.

Two lorries are sent to the out stations daily.

"A" lorry proceeds to:-

- (i) Y Box at Ypres with the rations for "AT Cable Section and pigeoneers - the pigeoneers from the Ecole East of Ypres fetch their rations from Y Box.
- (ii) To Hell Fire Corner with the rations for the Section at RB and ID Test Boxes. Two men from the section at ID generally drivers, are stationed at RB for the purpose of carrying up rations to ID test box.

"B" lorry proceeds to:-

- (i) Busseboom Test hut- the Lineman at "Scottish Camp" walks in (patrolling his lines) to Busseboom for his rations.
- (ii) Reninghelst - for the lineman.
- (iii) EN.1 - for all Signal Personnel there.
- (iv) EN.20 - For Signal personnel - the "Dolls House" linemen, walk to EN.20 for their rations.
- (v) Belgian Chateau - lineman and Cable Section.

Water as follows must be provided:-

- (i) By the "A" lorry 8 tins every second day for the personnel at RB.
- (ii) By the "B" lorry 6 tins every other day for Busseboom personnel.

The "A" lorry delivers fodder for four horses at Y Box every third day.

The Mail is delivered by these lorries for all personnel in the out stations



- 2 -

Ration vouchers are sent out for each out-station with the details of the days rations - these are signed for by an N.C.O. if possible otherwise by the cook.

The daily consumption of candles is large, and a special issue is drawn from the Supply Column daily and issued as follows :-

Y Box.	.....	daily	24	candles.
RS.Box.	.....	"	36	"
Pigeon lofts at the Ecole E. of Ypres	.....	daily	12	candles.
Busseboom.	.....	"	6	"
Scottish Lines.....	.....	"	6	"
Reninghelst.	.....	"	4	"
wireless EN.1	.....	"	6	"
EN.1.	.....	"	30	"
ID.	.....	"	24	"
Belgian Chateau....	.....	"	12	"
EN.20.	.....	"	18	"

\*\*\*\*\*



S E C R E T.

Appendix 12 46  
Copy No. 17...

First ANZAC Corps,

14th November, 1917.

ORDERS BY A.D.SIGNALS.

No. 12.

1. I Anzac Corps Headquarters moves from HOOGRAAF to FLETRE on the 15th instant, and VIII Corps Headquarters moves from FLETRE to HOOGRAAF on same date. I Anzac Corps takes over front now held by VIII Corps.

2. II Anzac Corps are taking over the front and area now held by I Anzac Corps on 15th instant. II Anzac Corps Headquarters will be established at ABEELE on that date.

3. AUO Signal Office will close at HOOGRAAF at noon on 15th inst., and reopen at FLETRE at same hour.

4. "K" Corps Signal Company, including Wireless Section and H.A. Signal Section will move with I Anzac Corps H.Q. on the 15th inst.

5. W.18 Motor Airline Section, and 'F' Cable Section attached to "K" Corps Signal Company, have already moved to VIII Corps area.

6. The following Signal Units will be transferred from I Anzac Corps, (attached "K" Corps Signal Company), to II Anzac Corps, (attached "Y" Corps Signal Company), at noon on the 15th inst. -

'AN' Cable Section.  
'AT' Cable Section.  
37 Area Signal Detachment.  
Signal Sub-section 10th H.A.G.  
" " " 22nd H.A.G.  
" " " 28th H.A.G.  
" " " 30th H.A.G.  
" " " 57th H.A.G.  
" " " 73rd H.A.G.

Lieut. E.A. Edwards, R.E., attached supernumerary from 2nd Army Signal Company, will also be transferred as above.

7. 31 Motor Airline Section and 'AK' Cable Section. (attached "Y" Corps Signal Company), already arrived in this area, will remain with II Anzac Corps.

8. The following Signal Units will be transferred from VIII Corps (attached "E" Corps Signal Company) to I Anzac Corps (attached "K" Corps Signal Company) from noon on the 15th inst.

'WW' Cable Section.  
11 Area Signal Detachment.  
13 Area Signal Detachment.  
14 Area Signal Detachment.  
Signal Sub-section 12th H.A.G.  
" " " 41st H.A.G.  
" " " 51st H.A.G.  
" " " 52nd H.A.G.  
" " " 99th H.A.G.



9. Pigeon Lofts will be transferred as under on the 15th inst:-

R.25 Stationary Loft at KRUISTRAAT FARM.  
 19 Horse drawn Mobile Loft at KRUISTRAAT FARM.  
 24     "     "     "     "     "     "     "  
 57     "     "     "     "     "     "     "  
 58     "     "     "     "     "     "     "  
 62     "     "     "     "     "     Ecole, YPRES.  
 63     "     "     "     "     "     "     "  
 5 Motor Mobile Loft at BRANDHOEK.

BAILLEUL Fixed Lofts Nos. 1 - 8 (inclusive).  
NIEPPE Fixed Lofts Nos. 1 - 3 (inclusive).  
DRANOUTRE Fixed Lofts Nos. 1 and 2.  
M.52 Horse drawn Mobile Loft DRANOUTRE.

- I Anzac Corps will take over all Signal Offices and Telephone Exchanges in VIII Corps area complete with instruments and fittings as they stand.

Any adjustment of instruments, etc., will be made later between O's.C. Corps Signal Companies concerned.

- H.Q. "K" Corps Signal Company ... FLETRE.  
H.Q. Wireless Section, "K" Corps  
Signal Company ... BAILLEUL.  
Corps Wireless Directing Station NEUVE EGLISE.  
H.A. Signal Section, "K" Corps  
Signal Company ... WESTHOF.  
'F' Cable Section ... BAILLEUL.  
'WW' Cable Section ... BAILLEUL.  
H.Q. 11 Area Signal Detachment... KEMMEL.  
H.Q. 13 " " " ... NEUVE EGLISE.  
H.Q. 14 " " " ... NIEPPE.

- Remaining Lofts will be held in reserve.

The Corps Pigeon Sergeant will be located at DRANOUTRE and a Corps Pigeon D.R. will be located at NIEPPE. These will be available to assist Divisions in delivering birds to Brigades in line.



- 3 -

Left Divisional Signal Company will provide orderlies for delivery of messages from Dranoutre Lofts.

Nieppe Lofts are connected by telephone to Papot Exchange.

13. Corps "locality" Telephone Exchanges in new area will be situated as follows :-

BAILLEUL.  
WESTHOF.  
PAPOT.  
STEENWERCKE.

Corps Signal Sub-offices will be maintained at BAILLEUL and PAPOT.

14. ACKNOWLEDGE.

*R. A. Powell*

Lieut. Colonel, R.A.,  
A.D. SIGNALS, I ANZAC CORPS.

Distribution

O.C. "K" Corps Signal Coy.	1,2,& 3.
Corps Wireless Officer	4.
O.C. 1st Aust. Div. Sig. Co.	5.
O.C. 2nd " " " "	6.
O.C. 3rd " " " "	7.
O.C. 4th " " " "	8.
O.C. 5th " " " "	9.
D.D. Signals, Second Army.	10.
A.D. Signals, II ANZAC.	11.
A.D. Signals, VIII Corps.	12.
A.D. Signals, IX Corps.	13.
A.D. Signals, XI Corps.	14.
I Anzac G.S.	15.
I Anzac "AQ" .	16.
War Diary.	17,18,&19.



S E C R E T.

175/386.

G.  
First ANZAC Corps.  
19th November 1917.

## GENERAL STAFF CIRCULAR NO.106.

SUBJECT:- Overhearing.  
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I Anzac General Staff Circular No. 60 of 19th March, 1917, is cancelled and the following substituted :-

1.- Attention is called to Second Army G.306 "Instructions regarding the use of Signalling Communications near the Front", dated 15th February, 1917, and the amendment thereto, copies of which have been distributed. Further copies can be had on application, if required. These instructions will be strictly adhered to in future.

2.- The following instructions will govern the use of Position Calls, Station Code Calls, and Code Names :-

## (1) Position Calls.

Every Signal and Telephone Office within a zone of 3,000 yards from any part of the Front line (which zone is dangerous for the interception of messages by the enemy), or which has a direct circuit to a Signal or telephone office within the above zone, will have allotted to it a call which will be termed its Position Call. Position calls consist of two letters followed by a numeral, and are issued by Corps Headquarters. The position call is a call allotted to an office in a particular position, it will never be changed and will never be used for a position other than that to which it has been allotted by the Corps. The allotted position call will be fixed up as a notice in the office, e.g. "Your call is 'SZ.9'", and this notice will not be removed when the office is handed over from one unit to another.

If a new office is established in the danger zone, or which has a direct circuit to an office in the danger zone, application will at once be made to corps through the usual channel for a position call to be allotted to it. The application will give the designation of the office, and the map square and co-ordinate.

Position calls will be used for the address "to" and "from" in all messages passing within the danger zone whether sent by telegraph, buzzer, or telephone.

The position call is sufficient to indicate the unit to which a signal office is allotted. Thus - the "position call" for a signal office at Battalion Headquarters might be "SZ.6". No matter what battalion is there, the battalion to whom the office is allotted will be addressed simply as "SZ.6", and thus no indication will be given to the enemy when units change.

Similarly, the artillery observing officer in an O.P. whose position call in "SW.3" will be addressed simply as "SW.3".

If the telegram is to go to a unit other than to which the Signal Office is allotted, but which is also served by the office "SZ.6", say for instance to a Trench Mortar Battery whose code name is "MARY", a telegram should be addressed "T.M. Battery SZ.6", or "MARY SZ6". The address "from" must, as in address "to", be as far as possible a "position call" supplemented when necessary by code name.

The office of origin, which is filled in on the top of the form by an operator sending the message, must invariably be a "position call".

Position calls will be used for all Signal messages transmitted by Wireless or Power Buzzer.

P.T.O.



-2-

The use of position calls also applies to telephone offices and exchanges in the danger zone. A telephone exchange in the danger zone must never be asked "Put me through to (name of unit in clear)". The request should be "Put me through to "position call)".

Similarly a telephone office or exchange within the danger zone, calling a telephone office, must never say "Is that" or "Are you there (name of unit in clear)". The call must always be for the position call of the office required.

The position calls for all offices with which an office normally has to communicate must be known to the Staffs, and it is only with these offices that communication should be allowed.

The term "office" includes all observation posts, also wireless, power buzzer, and amplifier stations.

#### (ii) Station Code Calls.

All units within a division, heavy artillery and Army field artillery brigade units, and certain units of Corps Troops, are allotted a three letter "station code call". These calls are made up and allotted as directed by G.H.Q. letter 1e/1647 of 8th September, 1917, and will be changed by G.H.Q. at intervals.

Station Code Calls will supersede those laid down in Training Manual Signalling. They will be taken into use at or prior to "Zero", as may be ordered by Army, and will remain in force during active operations, when position calls cannot be used. Station Code Calls will be used when for any reason it is not possible to use position calls. H.Q. of divisions and higher formations, also H.Q. Corps Heavy Artillery, will continue to employ the T.M.S. calls now in use and will not be allotted Station Code Calls.

#### (iii) Code Names.

Every unit in the corps is allotted a Code Name by corps headquarters. Code names are for use in referring to units in the text of messages and in telephone conversations, and in certain cases in conjunction with position calls in address "to" and "from" as laid down in (i).

Code names allotted as above are entirely distinct from the code names allotted in the "Formation, unit, and place code", which latter is only used by the Staffs of certain specified formations.

#### 3.- ACKNOWLEDGE.

*Ch. J. Ross* *Lieut Col*  
Brigadier-General,  
General Staff,  
First ANZAC Corps.

#### DISTRIBUTION.

1st Aust.Div.	65.
2nd Aust.Div.	65.
3rd Aust.Div.	65.
4th Aust.Div.	65.
5th Aust.Div.	65.
B.G.H.A.	20.
G.O.C.R.A.	1.
C.E.	1.
"K" Corps Sig.Co.	1.
Ditto(for 1st ANZAC	
Wireless Section).	1.
Corps Mtd Troops.	1.
13th Aust.L.H.Reg.	1.
1st Anzac Cyclist Bn.	1.
No. 69 Sq.Aust.F.C.	1.
No. 6 Balloon Coy.	3.
"J" A.A. Battery.	1.
"K" Corps Amm Pk.	1.
"K" Corps Siege Pk.	1.

"K" Corps Supply Col.	1.
"M" Sound Ranging Sec.	1.
"W" Sound Ranging Sec.	1.
3rd Aust.(Army) F.A.Bde.	6
6th " " "	6
12th " " "	6
Second Army.	2
IX Corps.	5.
XI Corps.	5.
A.D. Signals.	36.
O.O.File.	1.
Corres.File.	1.
War Diary.	3.

6 } through  
6 } G.O.C.,  
6 } R.A.



SECRET.

Copy No. 23.....

First ANZAC Corps,

20th November, 1917.

## SIGNAL INSTRUCTIONS No.1.

(Series No.7.)

Appendix 14I ANZAC CORPS AREA.Preliminary Notes on Communications.Para. 1 - LINES.A. Open wires.

The main system of Corps Forward Communications runs through BAILLEUL, which was formerly Corps Headquarters. Between FLETRE and BAILLEUL there is only one Corps main route and lines are consequently congested.

From BAILLEUL, open wire routes radiate forward in various directions.

Two small diversions have recently been built round BAILLEUL, one to the North to connect Left Division Headquarters at DRANOUTRE, the other to the South to connect with Right Division Headquarters at STEENWERCK. Communication can also be obtained at Corps H.A. Headquarters at WESTHOF by these diversions. These diversions were constructed as emergency routes to enable communication to be maintained forward in the event of the lines through BAILLEUL being cut by shelling or bombing.

Practically no open wire construction has been carried out in this Corps area since the MESSINES operations, and communication is chiefly carried forward of divisions by means of numerous buried routes, several of which are old and now beginning to fail.

The Left Division area is particularly bad in this respect, there being no open wire routes whatever forward of DRANOUTRE.

In the Right Division area old open wire routes exist as far forward as the line NIEPPE - ENGLISH FARM (T.21.d.).

To improve communications in the northern area it is proposed to push forward a main open wire trunk route, as far as possible, to connect with the heavy forward buries which were put down after the MESSINES operations, and to construct a main open wire lateral across the Corps front on the grid system..

With this object a heavy route is being constructed at once from DRANOUTRE to LK Test point, LINDENHOEK, and it is proposed to carry this forward to PMN Test point near Regent \*dug-outs, (Left Bde. H.Q.) where it will connect with the forward bury.

Also to construct a route from the junction pole on the IX Corps open wire system in N.22.c. to LINDENHOEK, thence south to the test point LG in T.3.c. on the main buried route, thence round the eastern side of NEUVE EGLISE to EE Test point in T.21.b., whence a main bury runs forward, thence to ENGLISH FARM in T.21.d., to join up with the open wire system in the Right Division area.

It is also proposed to construct a heavy route forward from WESTHOF to EE test point to carry the Corps H.A. communications forward and to connect them to the main system.

The rate at which this work can be carried out depends upon whether assistance in the way of construction personnel can be obtained from the Army and how stores become available.

/Further...



- 2 -

Further work with a view to pushing forward the three main trunk routes in the Corps area is also in contemplation. It is also proposed as soon as possible to construct a route from LINDENHOEK to KEMMEL.

The IX Corps have a route running forward in this area through KEMMEL to RT Test point, N.29.a.5.9., with a branch from the junction pole in N.22.c. running to VIERSTRAAT. IX Corps retain the routes but I Anzac Corps has running powers on them.

All allotment of lines on open wire routes is made by Corps Lines Office.

Maintenance. All open wire routes in Corps area are maintained by Corps Signals.

#### B. Buried Routes.

There are a large number of buried routes in the Corps area which may be roughly divided into two classes -

(i) The numerous routes which were the forward buried system before the MESSINES operations.

(ii) The new main buries which were constructed either for or after the MESSINES operation.

The latter are for the most part good. The former consist of a network of generally light routes which are old and beginning to fail. By constructing the open wire routes mentioned above and by concentrating on these routes and the main forward buries it is hoped to abandon several of the old buries and so reduce the maintenance and dug-out manning which is at present very heavy.

Maintenance. The maintenance of all buries in the Corps area is under Corps supervision. There are available for this three Area Signal Detachments, the Area Signal Officers being located as follows -

- (i) NIEPPE. 14 Area Detachment ... Telephone via PAPOT.
- (ii) NEUVE EGLISE. 13 Area Detachment ... Telephone via WESTHOF.
- (iii) KEMMEL. 11 Area Detachment ... Telephone via Left Division.

(i) controls the routes in the right Div. area, (ii) and (iii) work in the the Left Div. area.

The personnel of these sections are chiefly employed in manning test dug-outs, and they are assisted in this by linemen from the two Corps Cable Sections, and from Divisional Signal Companies in their own areas.

Divisions are responsible for repairs of breakdowns on the buried routes in their own areas, the Area Signal Officer in whose area the breakdown occurs applying direct to the O.C. Divisional Signal Company concerned for the necessary breakdown gang. Testing, bridging, and temporary repairs are carried out by the Area Detachment.

Each Area Signal Detachment has at present attached to it a small party of Corps Cyclists for rough work in connection with the buried routes, such as filling in shell holes, improvement and pumping of test dug-outs, etc.

Area Signal Officers allot all lines in their own areas on application, notifying Corps Lines Office of any allotments or changes. A general record of line allotments is kept at Corps.

Divisions and Corps Heavy Artillery are responsible for their own cables, whether buried or overground, into the nearest test point on the Corps buried system.

/The...



The policy of work on the buried routes to be carried out during the winter is to improve the existing main buries by repairing and re-digging faulty sections as necessary and the construction of short lengths to complete the existing system rather than the construction of any new system. Necessary work will be carried out by Divisions, in consultation with A.D.Signals, in their own areas as labour is available.

Para. 2. SIGNAL SUB-OFFICES IN THE AREA.

There is a Corps Signal Office and Telephone exchange in the Town Hall, BAILLEUL. There is also an Army Telephone exchange at BAILLEUL station. The question of combining these offices is now under consideration. There is a Corps Signal Sub-office and exchange at PAPOT. Corps locality exchanges are situated at STEENWERCK and WESTHOF. There are also exchanges at KEMMEL and LOCRE at present manned by IX Corps which will probably have to be taken over by I ANZAC.

Para. 3. WIRELESS.

Owing to the recent readjustment of Divisional fronts and in the application of our policy of forming a contiguous chain of wireless, power buzzer, and amplifier communications from the front line to Divisional Headquarters, the existing wireless arrangements on the Corps front are being reorganized, and on completion the dispositions will be as follows.

A Directing Station (Wilson Set) manned by Corps personnel will be established at each of Right and Left Divisional Headquarters, the existing Control Station at NEUVE EGLISE being withdrawn. In the Right Divisional Sector trench sets will be established at Left Brigade Headquarters, ROMARIN, (B.4.c.), and at Advanced Left Brigade Headquarters at U.14.c.8.6. Power Buzzer and Amplifier will also be established at the latter point working to power buzzer and amplifiers at Battalion Headquarters as under -

Left Battalion, Left Brigade.	U.9.b.6.4.
Right Battalion, Left Brigade.	U.15.c.8.5.
Left Battalion, Right Brigade.	U.27.b.8.2.

On the Left Division front three trench sets will be established, one at Left Brigade H.Q.,\* (\*DUGOUTS, (\*REGENT STREET) (N.29.c.); one at Battalion Headquarters, RAVINE WOOD; and one at Battalion Headquarters in O.34.b.1.2. At the latter point Power Buzzer and Amplifier will be installed working to Power Buzzer and Amplifier at a Company Headquarters still to be selected.

Power Buzzer and Amplifier will also be installed at Battalion Headquarters, RAVINE WOOD, working to Power Buzzer and Amplifier at Company Headquarters, C.11.b.2.1.

Accumulator charging.

In the Right Division area, arrangements have been made for charging off the lighting plants at HYDE PARK CORNER and at SOUTH MIDLAND FARM. In the Left Division area a Ballot set is being installed near GUY FARM (O.19.d.9.2.) for charging accumulators on forward stations.

The Corps wireless workshops and charging set are at present established in Rue de Moulins, BAILLEUL. Charging can also be carried out on the electric light lorry at each Divisional Headquarters.

/Para.4...



## Appendix No. 14

- 4 -

Para. 4. PIGEONS.

There are at present in the Corps area eight stationary lofts at BAILLEUL, three stationary lofts at NIEPPE, and two stationary and one mobile loft at DRANOUTRE.

The supply of Pigeons is at present limited under normal circumstances to two per battalion in line per day.

Lofts are allotted to Divisions as under -

3 Stationary Lofts, NIEPPE, to Right Division.

2 Stationary Lofts, DRANOUTRE, to Left Division.

The remaining lofts are held in reserve, for breeding, training and instructional purposes.

The Corps Pigeon Sergeant is quartered at DRANOUTRE and the Corps Pigeon D.R. at NIEPPE to assist in the distribution of birds.

The NIEPPE loft is connected to PAPOT exchange by telephone. Left Division provide orderlies at DRANOUTRE lofts for delivery of messages to Divisional Headquarters. Pigeons should not be liberated later than one hour before dusk, or they will probably fail to return.

Para. 5. VISUAL.

Each Division will prepare a scheme for visual signalling for the Divisional Sector.

6. ACKNOWLEDGE.

*R. A. Powell*

Lieut. Colonel, R.A.,  
A.D.SIGNALS, I ANZAC CORPS.

Distribution.

	<u>Copy No.</u>
O.C. "K" Corps Sig. Coy.	1 - 10.
O.C. Signals, Corps H.A.	11.
Corps Wireless Officer.	12.
O.C. 1st Aust. Div. Signal Co.	13.
O.C. 2nd Aust. Div. Signal Co.	14.
O.C. 3rd Aust. Div. Signal Co.	15.)
O.C. 5th Aust. Div. Signal Co.	16.
O.C. No.11 Area Sig. Detachment.	17.
O.C. No.13 Area Signal "	18.
O.C. No.14 Area Signal "	19.
I Anzac G.S.	20.
I Anzac "AQ".	21.
D.D.Signals, Second Army.	22.
War Diary.	23 - 24.



## CONSOLIDATED RETURN.

Australian Divisional Signal Company.

## Return of all Wireless and Earth Induction Sets. 19/11/17

To be rendered IN DUPLICATE to A.D. Signals, I. Anzac Corps, weekly (up to and including Mondays. Sundays).

Formation.	No. of Map.	Map square.	Type of set.	Wave length.	Call.
<u>WIRELESS.</u>					
Div. H.Q. Right Div. STEENWERCKE		STEENWERCKE.	Wilson	550	ZP, ML', CW.
Left Bde. H.Q.	36	B.4c2.8.	T.S.	"	CC',MZ, PB.
Adv. Left Bde.	28	U.14c3.6.	"	"	MP, PGN, PC.
Div. H.Q. Left Div.		DRANOUTRE.	Wilson	"	PT, MG.
Left Bde. H.Q.	28	N.29c4.4.	T.S.	"	CV, PG.
L. Bn. L. Bde.	28	O.10d1.6.	"	"	CP, ZJ.
Right Bde. H.Q.	28	T.6c7.5.	"	"	MO',PD.
<u>AMPLIFIERS.</u>					
<u>Right Division.</u>					
Adv. Left Bde.	28	U.14c3.6.	Amp. & P.B.	-	CWN.
L. Bn. L. Bde.	28	U.9b6.4.	"	-	MBG.
R. Bn. L. Bde.	28	U.15c3.5.	"	-	CVQ.
L. Bn. R. Bde.	28	U.27b3.2.	"	-	MBS.
<u>Left Division.</u>					
Left Bn. L. Bde.	28	O.10d1.6.	"	-	CDQ.
Coy. H.Q. L. Bn.	28	O.11b2.1.	"	-	CIM.
Reserve Bn. R. Bde.	28	O.32d.cent.	"	-	CDF.
R. Bn. R. Bde.	28	O.34b1.2.	"	-	CBR.
<u>INTELLIGENCE L.P.'s.</u>					
ST. YVES	28	U.15c9.6.	L.P.	-	No.15.

Date 20-11-17

(Sd.)

O.C. Divisional Signal Co.

Wireless I Anzac



## I ANZAC.

..... Australian Divisional Signal Company.

## Return of all Wireless and Earth Induction Sets.

To be rendered IN DUPLICATE to A.D. Signals, I. Anzac Corps, weekly (up to and including Sundays).

Formation.	No. of Map.	Map square.	Type of set.	Wave length.	Call.
<u>WIRELESS.</u>					
Div. H.Q. R. Div.		STEENWERCKE	Wilson	550	ZP, ML', CW.
Left Bde. H.Q.	36	B.3d8.7.	T.S.	"	CC', MZ, PB.
Adv. L. Bde.	28	U.14c3.4.	"	"	MR, PGN, PC'.
Div. H.Q. L. Div.	28	DRANOUTRE	Wilson	"	PT, MB, MG.
H.Q.R. Bn. L. Bde. Fwd. Stn.	28	O.27a3.6.	T.S.	"	CV, PG, MC.
L. Bn. L. Bde.	28	O.10d1.3.	"	"	CP, ZJ, PE.
R. Bn. H.Q.	28	U.10a0.7.	"	"	MO', PD, ZG.
Bde. H.Q.	28	N.29c5.5.	"	"	MQ, CW, ZX.
<u>AMPLIFIERS.</u>					
<u>Right Division.</u>					
Adv. L. Bde.	28	U.14c3.4.	Amp. & P.B.	-	CWN.
L. Bn. L. Bde.	28	U.9b7.1.	"	-	MBG.
R. Bn. L. Bde.	28	U.15c9.6.	"	-	CVQ.
L. Bn. R. Bde.	28	U.27b8.2.	"	-	MBS.
<u>Left Division.</u>					
L. Bn. L. Bde.	28	O.10d1.3.	"	-	CDQ.
Coy H.Q. L. Bn.	28	O.11b2.1.	"	-	CIM.
Bde. Fwd. Stn.	28	O.27a3.6.	"	-	CDU.
Coy H.Q. Stn.	28	O.28b4.0.	"	-	CER.
Bn. H.Q. R. Bde.	28	U.10a0.7.	"	-	CDF.
Coy. H.Q.R. Bde.	28	U.5b3.1.	"	-	CBR.
<u>Intelligence L.P's.</u>					
ST. YVES	28	U.15c9.6.	L.P.	-	No.15.
<u>Accumulator Charging.</u>					
Corps Wireless H.Q.		BAILLEUL	Charging Lorry.		
Right Division		HYDE PARK CORNER	Electric Lighting Plant.		
Left Division		GUY FARM	1/2 KW Ballott Set.		
" "		SOUTH MIDLAND FARM	Electric Lighting Plant.		

Date 28/11/14

(Sd.) H. J. Masters