

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

Signals

**Item number:** 22/1/17 Part 1

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

September 1917 Appendices



AWM4-22/1/17PART1



# WAR DIARY

Army Form C. 2118.

or

## INTELLIGENCE SUMMARY.

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.

SEPTEMBER 1917 (Erase heading not required.)

A. D. SIGNALS 1<sup>st</sup> ANZAC

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hayebrook 1.			Survey of 2 <sup>nd</sup> Corps area continuing and further personnel, including a detachment of W 18 Airline Section sent up.	
2			Additional personnel sent up to 2 <sup>nd</sup> Corps area - including wireless and D. R. Corporal for Pipien Service duties.	
3.			To D. S. Signals discussing matters with him and again visited 2 <sup>nd</sup> Corps area.	
			Captain W. S. ROLLO arrived for temporary duty in charge of the new buried system in forward area.	

(authentic & D. Sigs C.F. 856 of 1<sup>st</sup> ANZAC)

Appendix I



# WAR DIARY

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## INTELLIGENCE SUMMARY.

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AD Signals 1<sup>st</sup> Anzac

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hazebrone	3 <sup>rd</sup> 4 <sup>th</sup>		<p>3 (cont<sup>d</sup>) went into the water fully with him and arranged details</p> <p>II Lt Hemsley, 2<sup>nd</sup> Army Sig Co, joined H.A. on 3/9/17. Authy DDS Tgm C7.90 of 2/9/17</p> <p>Capt A.W. Sirett arrived for temporary duty as Supernumerary Officer vice Lt GR Bishop, sick. Authy D.D.S. wire C793 d/d 3/9/17.</p> <p>1<sup>st</sup> Bn 3<sup>rd</sup> NZRB who have been detailed for digging by</p> <p>DD Signals 2<sup>nd</sup> Army in 1<sup>st</sup> Anzac area moved up by bus to Chateau Segard &amp; Swan Chateau. Although accommodation had been promised by 25<sup>th</sup> Div<sup>n</sup> at these places, none was found available &amp; Bns were located as follows</p> <p>1<sup>st</sup> Bn NZRB in G 23 D + 3<sup>rd</sup> Bn NZRB in G. 24 B.</p>	<p>app. I</p> <p>app. II</p> <p>app. III</p>
Hogggraaf	5 <sup>th</sup>	12 Noon	<p>Orders issued for move of Corps Signals to Hogggraaf on 5<sup>th</sup> Sep. ADS Order N°4</p> <p>5 Pumps sent to BX. Tools drawn from CRE 25<sup>th</sup> Div<sup>n</sup> &amp; distributed to 2 Bns</p> <p>Cable sent up for buried scheme as follows:-</p> <p>To Y Box 18 Coils (4½m) 7pr Brass. 18 Coils (4½m) Iron (quad. 24 Coils (3m) 7pr Iron.</p> <p>To RB 36 Coils (9m) 7pr Brass. 36 Coils (9m) Iron (quad from Pioneer Siding)</p> <p>To BX 18 Coils (4½m) 7pr Brass. 18 Coils (4½m) Iron (quad)</p> <p>1<sup>st</sup> Anzac Corps Hq moved from Hazebrone to Hogggraaf &amp; took over front from 2<sup>nd</sup> Corps</p>	<p>app. IV</p>



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## INTELLIGENCE SUMMARY.

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*AD Signals 1st Anzac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices																														
Hooggraaf Cabaret	5/9/17		<p>AUO office opened at Hooggraaf at noon</p> <p>Preliminary instrns for Buried Cable Scheme issued. Copy attached</p> <p>Work commenced on Buried Cable Scheme. 1<sup>st</sup> NZRB complete approx 800 yds from Y towards RB working in daylight. cable laid down, <del>12</del> 7 pr Iron (across moat) &amp; six Iron Quad Armoured. Total 54 prs. (12)</p> <p>Corps Wireless Section had arranged to get accommodation near E.N.I. (Kruistraat Farm) but finding place somewhat hotly shelled decided to locate Hqrs at G 29 B 20. but to keep Charging set &amp; Instrument Repair Shop at Corps Hqrs.</p> <p>In addition to Units mentioned in ADS Order N° 4 following Supernumerary Officers attached to 2<sup>nd</sup> Corps were taken over by 1<sup>st</sup> Anzac Signal Coy.</p> <p>Lieut. Edwards      Lieut. McMuray.</p> <p>Following HAGroups with Signal Officers as shown were taken over from 2<sup>nd</sup> Corps</p> <table><tr><td>10 HAG</td><td>Lt S. Davidson</td><td>RE</td><td>53 HAG</td><td>2/Lt Shanks</td><td>RE</td></tr><tr><td>24 "</td><td>2/Lt Sadler</td><td>RE</td><td>57 "</td><td>" Stephens</td><td>RGA</td></tr><tr><td>28 "</td><td>" Norfolk</td><td>RGA</td><td>66 "</td><td>" Simpson</td><td>RGA</td></tr><tr><td>30 "</td><td>" A McLeod</td><td>RE</td><td>73 "</td><td>" Saunders</td><td>RE</td></tr><tr><td>31 "</td><td>" Notcutt</td><td>RGA</td><td></td><td></td><td></td></tr></table> <p>The following Units were taken over or arrived today. Cable Sections OO. AA. AN. P. J. also 37 Area Signal Det: + 2<sup>nd</sup> Army working Party.</p>	10 HAG	Lt S. Davidson	RE	53 HAG	2/Lt Shanks	RE	24 "	2/Lt Sadler	RE	57 "	" Stephens	RGA	28 "	" Norfolk	RGA	66 "	" Simpson	RGA	30 "	" A McLeod	RE	73 "	" Saunders	RE	31 "	" Notcutt	RGA				app. V
10 HAG	Lt S. Davidson	RE	53 HAG	2/Lt Shanks	RE																													
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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hooqgraaf cable	8/9/17		Progress has been continued with the Buried Cable Scheme, the length Y Box to RB & ID to BX being completed, also 400yds from BX towards RB Copies of Signal Procedure & Instructions for Operators, Power Buzzer & Amplifier working from G. S. 1st Anzac Corps issued. Copy att'd	App: <u>XI</u>
do	9/9/17		Lt Hare reported with party of men to carry on work of leading in cables to dug outs on Buried System, in conjunction with Lt Paul of 2nd Army, who is in charge of the jointing. Buried Cable Scheme. The length BX to Halfway House & to H.I. was completed also 150yds from Halfway House towards H.O.	
do	10/9/17		Signal Instruction No 2 - Preliminary <del>Instructions</del> preparations of Divisional Communications for Operations issued to all concerned Lieut J. B. Cane was evacuated from 2nd Australian Div: Signal Co today.	App: <u>XII</u> App: <u>XIII</u>



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Army Form C. 2118. 6

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AD Signals 1st Augac

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoograaf	11-9-17		Buried Cable Scheme. The length from ID to H.O. was buried & jointed & a further 440 yds in the length from HH towards H.O. was buried. Lieut Payne arrived with No 33 Motor Air Line Section for duty in the Area.	
do	12-9-17		Buried Cable Scheme. The length H H to H.O. was completed & jointed. Jointing is proceeding satisfactorily in the length BX-ID & BX-RB & the terminating at RB & H.G. has been completed. 2nd Aust. Div. moved from Renesance to Reminghelst at 9 am Revised lists of Wireless Calls were issued to all concerned	app XIV " XV
do	13-9-17		Lieut Paul of 2nd Army Signals engaged in charge of jointing was wounded and evacuated. Preliminary allotment of wires in Buried Cable system was issued today. Copy att'd	app XVI
do	14-9-17		300 men from 5th Aust. Div. were sent to assist 1st Aust. Div in digging trenches for cables forward, also 200 men from 47th Div to assist 2nd Aust. Div. Correction to BAB Trench Code was issued to all concerned today. Instrs for the prevention of leakage of information by hostile listening sets were got out in draft & approved by the General Staff. Copy attached Orders for synchronisation of watches issued by G.S. Copy attached	app XVII " XVIII " XIX " XX " XXI



# WAR DIARY

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Army Form C. 2118. 7

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*Ad Signals Pzanzac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hooqraaf	14-9-17		Weekly Progress Report to DD Signals today. Copy attached	app XXII
	<i>Continued</i>		Instructions for the maintenance of Buried Cables were issued. Copy att <sup>d</sup>	" XXIII
			Signal Instr <sup>s</sup> N <sup>o</sup> 3 giving full details of Communications within the area with straight line diagram, <del>copy</del> Blue Print + Amendment N <sup>o</sup> 1. issued. Copy att <sup>d</sup>	" XXIV
			New Station Code Calls & Code names were issued. Copy att <sup>d</sup>	" XXV XXVI
			Buried Cable Scheme - Leading in on BX-ID complete. Test Panels fixed at ID on the ID-HO route also HO-CS routed buried & jointed.	
do	15/9/17		F.P.T. for seven nights from 15/16 Sep issued. Copy attached	app XXVII
			Instructions re supply of Pigeons to Divisions issued.	" XXVIII
			Buried Cable Scheme. Jointing & terminating party making good progress, by day & night shifts. Routes into RB interfered with by shell burst just outside dug out. Repairs promptly carried out.	
			Two C.W. Wireless Sets were obtained & issued to the Heavy Artillery. One was <del>at</del> for use at Hooqraaf. - Copy H.A. O.P. & 1 at H.A. Hqs. Operators were provided by the Artillery.	
do	16-9-17		Owing to heavy shell fire the wagons carrying cable to Bir Cross Road were not allowed to proceed beyond Ypres for 2 hours under orders from the Provost Marshal, causing serious delay to the work undertaken by 1 <sup>st</sup> & 2 <sup>nd</sup> Aust <sup>n</sup> Divs. Cable was later sent as far as Hellfire Corner & dumped there, the furthest point the wagons could reach.	
			II <sup>nd</sup> Lt Wilson 1 <sup>st</sup> Aust <sup>n</sup> Div Signal Co killed this evening. Message attached	app XXIX
			Lt J R Bishop, "K" Corps Signal Coy reported transferred to England sick on 7 <sup>th</sup> Sept 1917	<del>XXX</del>



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Army Form C. 2118. 8

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*AD Signals Pt Anzac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoograaf	17-9-17		<p>Lieut Ireland F.E.W. of 2<sup>nd</sup> Austr Divn Signals Killed today. Wire attached.</p> <p>No 19 Mobile Pigeon Loft taken over today &amp; stationed at E.N.I.</p> <p>Correction to BAB Trench Code No 3 issued. Copy attached.</p> <p>The work on the Divisional Buries is nearing completion.</p> <p>Capt W.S. Rollo R.E. of the 2<sup>nd</sup> Anzac H.A. Signals, who was loaned to this Corps to take charge of the burying of cables for the new scheme reports that the 1<sup>st</sup> &amp; 3<sup>rd</sup> Battalions of the N.Z.R.B. fully realising the great importance of the work upon which they were engaged, had worked with the greatest rapidity &amp; enthusiasm, though the ground in all the forward buries was most difficult, consisting largely of interlocked shell holes full of water, &amp; in spite of heavy casualties. Particularly the assistance given by Lt Col. Winter Evans D.S.O. of the 3<sup>rd</sup> Battr &amp; Major Bell commanding the 1<sup>st</sup> Bn was absolutely invaluable. He also called attention to the good work done by II Lt Jackson R.E. of AT Cable Section &amp; II Lt Starbuck R.E. of BD Cable Section, who set an excellent example throughout the work to the Sappers under heavy shell fire. II Lt Ingham R.E. also rendered valuable assistance, surveying the new routes, &amp; spending considerable time in examining the routes when constructed &amp; reporting upon their condition. The work and assistance rendered by Capt W.S. Rollo R.E. has been invaluable.</p>	<p>app. <del>XXX</del></p> <p>app. <del>XXVI</del></p>



# WAR DIARY

Army Form C. 2118. 9

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## INTELLIGENCE SUMMARY.

(Erase heading not required.)

*A D Signals Pt Anzac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hooftgraaf	18-9-17		<p>47th Division moved from G 28 A 8.1 to GODEWAERSVELDE today at 10 am</p> <p>1st Austr Division Office opened at H 27 B 76 at 3 pm</p> <p>II Lieut Mayman G. L. 3rd Austr Division engaged on Cable work wounded today</p> <p>The new buried cable from XT to C was completed today -</p> <p>5th Austr Division moved to Reninghelst and opened at noon today</p> <p>Instructions for establishing Contact Aeroplane Wireless Stations issued. Copy att.</p> <p>All Corps buries completed and wires allotted. The three buried Routes leading into H.O. - C.I., I.D., &amp; H.I., - were today damaged by a shell burst in the entrance to the dug out. A concrete wall which was to have been built across the entrance, as a protection, has not yet been constructed. This would undoubtedly have saved these damages if it had been carried out. The repairs were promptly put in hand and completed by nightfall -</p> <p>The cables promised by "X" Corps between Y Box &amp; C.I. Ypres &amp; by the X Corps between XT &amp; FK are not yet through <del>as yet</del></p>	<p>app. <u>XXXII</u></p> <p>" <u>XXXIII</u></p> <p>" <u>XXXIV</u></p> <p>" <u>XXXV</u></p> <p>" <u>XXXVI</u></p>
do	19-9-17		<p>H.O. box again blown out by shell burst at entrance to dug out, causing much inconvenience &amp; many faults on cable routes.</p> <p>Copy of letter to Chief Engineer dated 17th Sep 1917 attached -</p> <p>Brigade Offices opened in the line today -</p>	<p>app. <u>XXXVII</u><sup>A</sup></p>



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Army Form C. 2118. 10

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AD Signals 1st Angac

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
HooGraaf	19 Sep		<p>4 pairs promised by X Corps between C J (Ypres) &amp; Y Box were allotted at 7 pm. Those between XT &amp; FK not yet provided.</p> <p>Contact aeroplanes Wireless Stations established according to scheme, except at Half Way House, where no accommodation could be found, and a satisfactory test of these, &amp; also the Power Buzzer Stations was made.</p> <p>Lieut. A.C. Branch returned to 2<sup>nd</sup> Army today &amp; Capt. Williams from 2<sup>nd</sup> Army took charge of the work of clearing lines &amp; getting all out working forward from E.N.I. in the new buries, getting all through ready for work in the morning.</p> <p>3 additional Operators <sup>of A.T. Section</sup> arrived for Hooze Exchange &amp; were sent on a list of pairs <del>all</del> allotted to Corps, in buried cables was issued. Copy att.</p> <p><del>At 11.30 am</del></p>	<p>App. XXXVII</p> <p>App. XXXVIII</p> <p>" XXXIX</p> <p>" XL</p>
do	20 Sep		<p>4<sup>th</sup> Austr. Division opened at Steenvoorde at noon today -</p> <p>Signal Communications for today's operations in good order. Pigeon Service used to a very small extent, a schedule attached shows the work done in this respect &amp; the casualties suffered by the birds.</p> <p>The Wireless Communications worked satisfactorily. A report &amp; map is attached.</p> <p>During the Battle of the 20<sup>th</sup>, owing to the short time that was available there was some difficulty in getting the various circuits correctly allotted &amp; joined</p>	<p>App. XLI</p> <p>" XLII</p>



# WAR DIARY

Army Form C. 2118. 11

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## INTELLIGENCE SUMMARY.

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*A D Signals Pt Anzac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
<i>Hoograaf</i>	<i>24/9/17</i>		<p>through in time for operations, but sufficient circuits were provided in all cases. Some difficulty was experienced by Divisions in speaking to their Forward Brigades. This was thought to be chiefly due to leakage on the old buried cables between E.N.I. &amp; Ypres, &amp; also on the additional pairs of "ditched" cable run between Belgian Chateau &amp; Ypres by 2<sup>nd</sup> Signal Construction Coy. The majority of these lines showed considerable "earth" on test in this section. Some improvement was effected by lifting the joints out of the water, but even then the leakage was not satisfactorily eliminated. Probably the insulation of the 7 pair Armoured Cable used for the purpose, which had been in hand for a long time, had partially perished. Fullerphones were used over these lines to Brigades with considerable success &amp; Divisions were kept in touch with Brigades throughout the operations. The "Buried" routes forward of Ypres held well. The route dug forward by 2<sup>nd</sup> Australian Div<sup>n</sup> from ID to WK was never a very satisfactory one, only 16 pairs out of 41 pairs ever being got through, but sufficient communication was provided on it. The route WK-GW was not completed in time for the operation, the 2<sup>nd</sup> Austr<sup>n</sup> Div<sup>n</sup> not having sufficient time to carry out their part of the task. The route CS-GW constructed by the 1<sup>st</sup> Austr<sup>n</sup> Div<sup>n</sup> &amp; laid in the floor of a trench was entirely cut up by an Infantry working party during the operations, as was also that portion of the GW-WK route that had been dug by the 1<sup>st</sup> Austr<sup>n</sup> Div<sup>n</sup>. This gives a further proof of the undesirability of burying any main route at the foot of an old trench. Owing to the partial failure of the ID-WK route it was impossible to provide the Heavy Artillery with as</p>	

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Army Form C. 2118. 12

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AD Signals 1<sup>st</sup> Anzac

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoogstraal	29/9/17	(Contd)	<p>many forward Cots as was intended, but by means of the Exchanges that had been installed they had sufficient forward Cots for "Observation" purposes. It was a fortunate factor that the main Corps route Y-RB-BX was not cut during the operations. The alternative routes which were to have been provided for this Corps on the 10<sup>th</sup> Corps main buried routes from XT to CJ never materialised as the route was not completed in time, &amp; no alternative buried circuits were available. After the assault the 2<sup>nd</sup> Austr. Div<sup>n</sup> in accordance with instructions pushed forward a buried route from WK to PG of 20 pairs, getting it completed by about 2pm on Attack day, but the route was not dug to proper depth &amp; was soon cut, though a few pairs were restored on it later by bridging in ground cables. A Blueprint showing the circuits arranged <del>and</del> <sup>as a map</sup> showing the new buried routes are attached.</p>	<p>app. <u>XLIII</u> + <u>XLIV</u></p>
	21 Sep		<p>Conference with DD Signals at 10<sup>th</sup> Corps Hqs re proposals for new routes. Ins<sup>n</sup> given to O.C. 4<sup>th</sup> &amp; 5<sup>th</sup> Austr. Division Signal Co re new buries, to be commenced 22<sup>nd</sup> Sep &amp; cable ordered from 2<sup>nd</sup> Army. Stores for extending Air Lines from QB to C &amp; improving open line EN1 to EN20 supplied &amp; work in hand. A message of congratulation from the G.O.C. 2<sup>nd</sup> Army on the work done by Signal Service in preparation for the battle of yesterday received &amp; communicated to all concerned. 47<sup>th</sup> Div Hqs closed at GODEWAERSVELDE &amp; opened VILLARS CHATEL at noon today. 4<sup>th</sup> Batt<sup>n</sup> NZRB arrived tonight for digging new buried cables. 50 men of 5<sup>th</sup> Austr. Div<sup>n</sup> arrived for work in repairing damaged cable routes.</p>	<p>app. <u>XLV</u> app. <u>XLVI</u> app. <u>XLVII</u></p>



# WAR DIARY

Army Form C. 2118.

or

## INTELLIGENCE SUMMARY.

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AD Signals 12<sup>th</sup> Augac

12A

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoogstraaf	<del>19th</del> 20 Sep (Cont <sup>d</sup> )		<p>addition to 20 Sep</p> <p>During the operations a wireless Tank was provided by the 2<sup>nd</sup> Brigade Tank Corps &amp; took up its position in the S. West Corner of Glencorse Wood 2½ hrs after Zero. This Tank was intended to act as an alternative means of Communication &amp; in fact as an emergency "Forward Station" for both Divisions. The Tank duly reached its destination &amp; estab<sup>d</sup> Communication to a Receiving Stn established for the purpose at Advanced Div<sup>n</sup> Hqs. Practically no use however was made of this means of comm<sup>n</sup> as the buried routes stood satisfactorily. 3 wireless sets were provided by the Royal Flying Corps for receiving messages from the Contact Aeroplanes which were fitted with wireless &amp; operators provided by R.F.C. These were stationed as follows: - 1 at Advanced Hqs Right Division, 1 at Forward Hqs Right Div<sup>n</sup> <sup>House</sup>, &amp; 1 at Reserve Hqs Right Division, Halfway House. These sets worked satisfactorily.</p>	



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## INTELLIGENCE SUMMARY.

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Army Form C. 2118. 13

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*A D Signals 1st Army*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoograaf	21 Sep		Work of laying new buried cables from CS to GW commenced today.	app 48
"	22 Sep		Capt Rollo + Lt Murray surveyed routes to PG, AZ, NB &c. F.P.T. Cypher correction for week commencing 22/23 Sep <sup>o</sup> advised to all concerned Signal Instrs No 1 (Series 2) with map, shewing proposals for new offensive were got out & forwarded to all concerned - Copy attached	app 49 app: 50
"	23 Sep		5 <sup>th</sup> Austr Div Hdqrs closed at Reninghelst & reopened at H.27 B.77 (EN20) at 10am Certain alterations to buried routes were decided upon with regard to actual routes followed & actual location of test points. Map (App 50) not materially affected.	app: 51
"	24 Sep		Conference at 10 <sup>th</sup> Corps Hdqrs re further alterations to buried routes. BAB Trench Code N°3 Correction from midnight 24/25 Sep issued to all concerned. 2 <sup>nd</sup> Austr Div <sup>o</sup> closed at EN20 & opened at Reninghelst at 10am. 4 <sup>th</sup> Austr Div <sup>o</sup> closed at Steenwoorde and opened at EN20 at 10am. 1 <sup>st</sup> Austr Div <sup>o</sup> opened at Steenwoorde at 12.30pm. Lieut CHUBB reported from 2 <sup>nd</sup> Army to assist with intce of forward routes Return of Wireless & Earth Induction Sets to date attached Buried cable routes GW-NB & NB-PG completed & tested.	app: 52 app: 53 app: 54 " 55.



# WAR DIARY

Army Form C. 2118. 14

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## INTELLIGENCE SUMMARY.

(Erase heading not required.)

*AD Signals 1st Augac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hooqraaf	25 Sep		Buried Cable route from CS to GW completed & tested. 4 pairs faulty " " " " GW to NB entirely blown out by shell fire during heavy counter attack, & impossible to repair at present. It will have to be entirely reburied. Good work is being done on C-Y route by P Cable Section repairing faults, filling in shell holes &c & improved working has resulted. Route between WK & GW finished & tested tonight under heavy shell fire whilst a strong attack was proceeding within 500 yards. II Lieut. McMuray in charge reports having been blown up by shell & also buried in shell hole during the course of the evening, but the work was not allowed to be interfered with & proceeded to completion.	App 56
do	26 Sep		During the battle of this date the Signal Communications worked satisfactorily. A schedule shewing the work done by the Pigeon Service during operations attached. A report <sup>and map</sup> shewing the wireless arrangements & remarks upon the working is attached. The buried route in the forward Right Div. Area from GW-NB-PG having been destroyed <del>by shell</del> beyond repair during the Counter attack on the previous day it was impossible to use NB as Cable Head for the Right Div. as intended; GW therefore had to serve as Cable Head & ground Cables were run forward from this point. Fortunately these stood better than might have been expected & no difficulty in Forward Communication was experienced. In the Left Divisional Sector the route WK-PG was also blown out near PG & ground Cables were run by the Division to replace this so that PG might serve as Cable Head.	App 57 App 58



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AD Signals 1st Augac

14A

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoojaaf (26 Sep) (Contd)			<p>On the evening of the 25<sup>th</sup> however 7 pairs were got through on the WK-PG route by running D 5 cables over the small section of the break &amp; the route thus patched up &amp; duplicated stood satisfactorily.</p> <p>The "Back" wires stood satisfactorily &amp; worked well.</p> <p>During these operations a wireless Tank was again provided to be in position at J 8 D 9.6 at 2½ hours after Zero to serve the same purpose as during the operations of the 20<sup>th</sup>. The Tank broke down &amp; did not reach the intended position but got within some 200 or 300 yards of it.</p> <p>Comm<sup>n</sup> was established as on the previous occasion, Capt Tinkler of the 2<sup>nd</sup> Aust<sup>n</sup> Divisional Signal Coy being specially detailed to take charge of the Tank. The Tank was also intended to be used as a Corps Forward Report Centre. Again on this occasion little practical use was made of the Tank. It is questionable whether in operations with such a limited objective the Tank serves as a really useful means of Communication.</p> <p>It is practically impossible to get the Tank forward of Cable Head, or even so far forward as that &amp; it therefore cannot act as an emergency Brigade Forward Station.</p> <p>If line communication breaks down it is simpler to send messages by the estab<sup>d</sup> chain of Power Buzzers &amp; Amplifiers working from Brigade Fwd<sup>n</sup> Stations rather than to send orderlies a considerable distance across country with messages to the Tank to despatch. Contact Aeroplane Wireless Stations were estab<sup>d</sup> in the same positions as during the operations of the 20<sup>th</sup>.</p>	



# WAR DIARY

Army Form C. 2118, 13

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.)

*AD Signals 1st Army*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hoogstraaf	27 Sep		<p>Corpl. W. J. Sykes N<sup>o</sup> 18029 of "P" Cable Section awarded the Military Medal by 2<sup>nd</sup> Army Commander.</p> <p>Corpl. Hodgson, Sapper Furzer &amp; Sapper Cooke specially reported upon before their return to their own Division (7<sup>th</sup>) for the excellent work done in the 1<sup>st</sup> Army Area, whilst attached for work on buried cables. They carried out the jointing under heavy shellfire finishing by candlelight late at night &amp; thus established a very valuable route.</p>	app: 59
do	28 Sep		<p>Conference at 10<sup>th</sup> Corps Hqs with DD Signals 2<sup>nd</sup> Army with reference to alteration of Area Boundaries, handing over a portion to 10<sup>th</sup> Corps &amp; taking over some from the 5<sup>th</sup> Corps.</p> <p>Heavy bombing by the enemy broke down routes HA to EN.1, BKA route; EN20 to QB; QB to DH &amp; EN1 to EN20 partly. All communications were restored in about 30 minutes, so far as working cots are concerned.</p>	
do	29 Sep		<p>II Lt. A. MacLeod RC from 30<sup>th</sup> HAG to 2<sup>nd</sup> Army Signal Co as supernumerary to 1<sup>st</sup> Army H.A.</p> <p>Heavy enemy bombing raid at night. 33 MAL Section Camp damaged &amp; N<sup>o</sup> 72821 Sapper J. W. Land &amp; Pioneer E. GAWNE N<sup>o</sup> 221958 wounded. Former evacuated to hospital &amp; latter returned to duty -</p>	



# WAR DIARY

Army Form C. 2118/16

or

## INTELLIGENCE SUMMARY.

(Erase heading not required.)

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.

*A.D. Signals 1<sup>st</sup> Anzac*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
Hongraaf	30 Sep		<p>New Buried Cable routes A Z (40 pairs) to GP, GP (42 pairs) to AL; <del>GP (42 pairs) to AL</del> completed, and cables laid towards TK for some distance, but not completed owing to the risk of damage to the cable by heavy shell fire.</p> <p><del>Some notes on experience in recent fighting on Sept 26<sup>th</sup> &amp; 27<sup>th</sup> sent in by the 4<sup>th</sup> Aust. Div. in advance, including notes on Communication, are attached.</del></p> <p>Preliminary Signal Instrs for the next operations - Signal Instr. No 1 (Series 3) - were issued to all concerned. Copy attached.</p> <p>Instrs were issued for the positions of the Contact Aeroplane Wireless Stations during the next operations, &amp; for one station complete to report to 2<sup>nd</sup> Anzac Corps.</p>	<p><del>app: 60</del></p> <p>app: 60</p> <p>app: 61</p>

*Paul Powell*  
 LIEUT. COL. R.A.  
 A.D. SIGNALS,  
 1 ANZAC CORPS.







Appendix No 1

"C" Form (Original).  
MESSAGES AND SIGNALS.

66  
Army Form C. 2123  
No. of Message

Prefix	Code	Words	Received	Sent, or sent out	Office Stamp.
25	CDX		51		
Charges to collect			From	At	m.
Service Instructions.			By	To	
			By	Appendix 1.	
Handed in at			Office	3.23 p.m.	Received 3.32 p.m.
TO			AD Signals 1st ANZAC.		
*Sender's Number		Day of Month	In reply to Number		AAA
CF856		1st			
CAPT	W.	S.	ROLLO	"Y"	
CORPS	sig	boy	will	report	
to	AD	Signals	1st	ANZAC	
for	temporary duty	as	soon		
as	he	can	be	released	
aaa	Added	AD	Signals	2	
Angac	repld	AD	Signals	1st	
Angac	8th	CORPS	for	information	
FROM			2D Signals Second Army.		
PLACE & TIME					

\* This line should be erased if not required.


W 15660—M 151 75,000 Pads. H & S 2/16 Forms/C.2123. (5668)



"C" Form (Original).  
MESSAGES AND SIGNALS.

Army Form C. 2123

No. of Message.....

Prefix <i>44</i>	Code <i>B67</i>	Words <i>49</i>	Received <i>Bar</i>	Sent, or sent out	Office Stamp.
Charges to collect			From <i>Bar</i>	At <i>2.15</i> m.	
Service Instructions.			By <i>Bar</i>	To <i>TA</i>	
Handed in at <i>Bar</i>			Office <i>2.15</i> m.	Received <i>2.34</i> m.	

TO

*AD Sig 1st Anzac*

Sender's Number

Day of Month

In reply to Number

A A A

*6590**2*

<i>2nd</i>	<i>Lieut</i>	<i>HEMSLEY</i>	<i>Second</i>	<i>Army</i>
<i>Sig</i>	<i>Coy</i>	<i>will</i>	<i>report</i>	<i>to</i>
<i>O/C</i>	<i>1st</i>	<i>Anzac</i>	<i>Corps</i>	<i>HA</i>
<i>Signal</i>	<i>Section</i>	<i>for</i>	<i>duty</i>	<i>as</i>
<i>Supernumerary</i>	<i>AAA</i>	<i>Added</i>	<i>AD</i>	<i>Signals</i>
<i>10th</i>	<i>Corps</i>	<i>Repts</i>	<i>AD</i>	<i>Signals</i>
<i>1st</i>	<i>Anzac</i>	<i>oc</i>	<i>Second</i>	<i>Army</i>
<i>Sig</i>	<i>Coy</i>	<i>for</i>	<i>information</i>	

FROM

*D. D. Sig Second Army*

PLACE &amp; TIME

\* This line should be erased if not required.

W 15660—M 151 75,000 Pads. H &amp; S 2/13 Forms/C.2123. (5663)



## Appendix No 2

**"C" Form (Duplicate).**  
**MESSAGES AND SIGNALS.**

Army Form C. 2123.  
(In books of 50's in duplicate.)

No. of Message 18

<p>Msg. <u>119 am 43</u> <u>BAR</u> <u>page</u></p> <p>Service Instructions. <u>Appendix II</u></p> <p>Handed in at <u>BAR</u> Office <u>8.45 a.m.</u> Received <u>9.2 a.m.</u></p> <p>TO <u>AD Signals &amp; Army</u></p>	<p>Charges to Pay. £ s. d.</p> <p>Office Stamp. <u>17.</u> <u>GRAPHS</u></p>
--	--

Sender's Number <u>C793</u>	Day of Month <u>3</u> <u>X</u>	In reply to Number <u>AAA</u>	
--------------------------------	--------------------------------------	----------------------------------	--

CAPT report with vice (sick) Sig 18	A. for "K" 2 Lt added Coy Army	W. duty Corps J. OC reptd	SIRETT will as Sig R. J Second AD BISHOP Army Signals
---	--	--	---

A.D. SIGNALS.

1 Army

No. 152/41

Date 4.9.11

H/9

AD Sig's Secd Army

FROM AD Sig's Secd Army

PLACE & TIME

Wt. 432-M487 500,000 Pads. H W V. 5/16 Forms C.2123.



War Diary

"A" Form  
MESSAGES AND SIGNALS.Army Form C. 2121  
(in Pads of 100).

No. of Message.....

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

TO

1st ANZAC

Appendix III

Sender's Number. * BM 911	Day of Month. 4	In reply to Number.	AAA
------------------------------	--------------------	---------------------	-----

1st and 3rd Bns N.Z.R.B. proceed to 25th  
Divl. area to-day 4th inst. aaa 1st Bn.  
to Chateau SEGARD K.3.40.90 (Hazebrouck 5.A.)  
3rd Bn. to SWAN Chateau K.2.50.02 (Hazebrouck  
5.A.) aaa They come under orders A.D.Sigs  
1st Anzac for work aaa Added N.Z. Div repto  
2nd Army 2nd Anzac 1st Anzac 25th Divn for  
information.

A. D. SIGNALS, 1st Anzac CORPS. No. T. 25/2. Date 4.9.17.
---

From	Place	Time
	3rd N.Z. (Rifle) Bde.	9.30 a.m.

The above may be forwarded as now corrected.

(Z)

Censor.

Signature of Addressor or person authorised to telegraph in his name.

\* This line should be erased if not required.

(2328). Wt. W12093/M1217. 150,000 Pads. 1/17. (E764). H. C. &amp; L., Ltd.

Forms C/2121/11.

War Diary



SECRET.Appendix IV

Copy No. 10.

23

ORDERS BY A.D.SIGNALS, I ANZAC CORPS.

Appendix No 4No. 4.

I Anzac Corps Headquarters,

4th September, 1917.

1. I Anzac Corps takes over the front at present held by II Corps at noon on 5th September, 1917.

2. AVO Signal Office will close at HAZEBROUCK at noon on 5th inst. and re-open at HOOGRAE at same hour. Necessary arrangements will be made by O.C. "K" Signal Company.

3. O.C. "K" Signal Company will make necessary arrangements for move of "K" Signal Company with W.18 Airline Section, Corps Wireless Section, and Corps Heavy Artillery Signal Section to new area. Corps Wireless Section will be located near KRUISTRAAT FARM, H.21.b.8.5.

4. Following units will be transferred from "B" Corps Signal Company to "K" Corps Signal Company from noon on 17th instant:-

P Cable Section.  
J Cable Section.  
OO Cable Section.  
AA Cable Section.  
AN Cable Section.

The following units at present attached to "B" Corps Signal Company, from 2nd Army Signal Co., will be attached to "K" Corps Signal Company :-

37 Area Signal Detachment.  
AT Cable Section (less horses and vehicles).  
BD Cable Section ( " " " " )

5. The following Pigeon Lofts will be taken over from 2nd Corps Signals:-

Nos. 1, 2, 3, 4, and 5 Stationary Lofts at WATOU.  
Stationary Loft at KRUISTRAAT FARM.  
Nos. 24, 57 and 58 Mobile (Horse drawn) lofts at KRUISTRAAT FARM.  
No. 5 Motor Mobile Loft at BRANDHOEK.

6. The 25th and 47th Divisions are being taken over by 1st Anzac Corps from 2nd Corps in their present positions.

7. All existing communications of 2nd Corps will be taken over as they stand.

8. Following arrangements have been made for communications with 1st, 2nd, and 5th Australian Divisions :-

1st Australian Division. (Vieux Berquin).  
Telegraph, telephone and D.R.L.S. through BAR and HCO.

2nd Australian Division. (Renescore)  
Telegraph and D.R.L.S. through BAR. Telephone through HK.

5th Australian Division. (Blaringhem).  
Telegraph and Telephone through HK. D.R.L.S. Through BAR.

9. 4th Australian Division (BOMY) came under orders of I Anzac Corps from 3rd inst., but administered by First Army. Communications arranged - Telegraph, telephone, and D.R.L.S. through BAR and AAR.

10. ACKNOWLEDGE.

*Paul Powell*  
Lieut. Col., R.A.,  
A.D.SIGNALS, I ANZAC CORPS

For Distribution P.T.O.



## Appendix No 4

O.C. "K" Corps Signal Company Copy No. 1.	"	"	2.
O.C. 25th Div. Sig. Co.	"	"	3.
O.C. 47th Div. Sig. Co.	"	"	4.
O.C. 1st Aust. Div. Sig. Co.	"	"	5.
O.C. 2nd Aust. Div. Sig. Co.	"	"	6.
O.C. 4th Aust. Div. Sig. Co.	"	"	7.
O.C. 5th Aust. Div. Sig. Co.	"	"	8.
D.S. Signals, Second Army.	"	"	9.
I Anzac Corps "S".	"	"	10.
War Diary.	"	"	11 & 12.
File.			



SECRET

## BURIED CABLE SCHEME, I ANZAC CORPS.

(Preliminary Instructions.)

Appendix V

1. The attached plan shows in continuous lines the portion of the Second Army Buried Cable scheme to be carried out by the I Anzac Corps.

2. The work will be carried out by the 1st and 3rd Battalions H.Z.R.B. These battalions are being quartered at H.23.d.4.4 and H.24.b.central respectively.

3. Each battalion will have attached to it the following R.E. Signal personnel for technical work:-

1st Bn. H.Z.R.B. (H.23.d.4.4.)

BD Cable Section ... Lt. Starbruck and 10 men.

J Cable Section ... Lt. Heddewick and 10 men.

3rd Bn. H.Z.R.B. (H.24.b.central).

AF Cable Section ... Lt. Jackson and 10 men.

P Cable Section.... Lt. Sykes and 10 men.

This signal personnel will be reinforced if necessary.

4. With the exception of the "back lateral" (CD - XT) which will be a shallow bury, all routes will be 6 feet deep. The trench will be passed as of sufficient depth by a supervising Signal officer before the cables are laid, filled in immediately after cables are laid, and passed by a supervising signal officer before the working party leaves.

5. Joints will be left open and completed in daylight by a special jointing party to work under Lieut. Paul, R.E. The joints will not be covered in for at least 12 hours and after a final test has been made.

6. When laying cables, the end of each cable should be labelled to facilitate defective cables found by test to be recognized.

7. Routes will be marked with trench markers, and all joint positions will be separately marked.

8. Cables will be led on to plug and socket boards at the test dug-outs shown. There will be no intermediate test points.

9. The following table shows the cables to be laid in each section of trench :-

Y to RB	6	part 7 pair brass and part 7 pr. iron.	} Total 54 pairs
	6	Iron quad.	
RB to BX	6	7 pair brass.)	} ... Total 54 pairs.
	6	Iron quad. .)	
BX to ID	6	7 pair brass.)	} ... Total 54 pairs.
	6	Iron quad. .)	
ID to HO	6	7 pair brass.)	} ... Total 54 pairs.
	6	Iron quad. .)	
HO to ST	6	7 pair brass.)	} ... Total 54 pairs.
	6	Iron quad. .)	
HI to HO	3	7 pair brass.)	} ... Total 54 pairs.
	6	iron quad. .)	
BX to HI	5	7 pair brass.)	} ... Total 41 pairs.
	3	Iron quad. .)	

A.D. SIGNALS,	
I Anzac CORPS.	
No.	T.S. 15/1
Date	6.9.17.



Appendix No. 5  
A.D. SIGNALS.  
..... CORPS.  
No.....  
Date.....

- 2 -

In addition 4 7 pair brass.)  
2 Iron quad. ) Total 32 pairs.

will be laid from RB in the RB - BX trench as far as nearest point to HG box on existing route.

Back lateral CD - XT ... 12 7 pair brass.)  
8 Iron quad. } 100 pairs.

10. Work will commence on 5th inst. Work to be done by day or night at discretion of battalion commanders.

11. Tasks are divided between battalions as follows :-

1st Battn. N.Z.R.B. - Y - RB, HO - ST, HI - HO.

3rd Battn. N.Z.R.B. - RB - BX, BX - ID, ID - HO, BX - HI.

Lateral route will be allotted later.

12. The following routes will be completed first:-

Y to RB. )  
RB to BX. { In either direction.  
BX to ID. )  
HO to ST. )

13. The routes of IR - HO, and HO - ST are not at present exact.

14. Captain W.S. ROLLO, M.E., (as representative of A.D.Signals) will be in technical charge of the whole of the above work.

5th September,  
1917.

*W.S. Rollo*

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

Distribution.

TS 14/1 1 Anzac G.  
TS 14/2 O.C. Sigs. 1st Aust. Div.  
TS 14/3 O.C. Sigs 2nd "  
TS 14/4 D.D.Sigs. 2nd Army.  
TS 14/5 O.C. Sigs. C.M. Arty  
TS 15/ A.D.Sigs. X Corps.  
TS 15/ O.C. 'K' Sig Coy  
TS 15/1 War Diary.



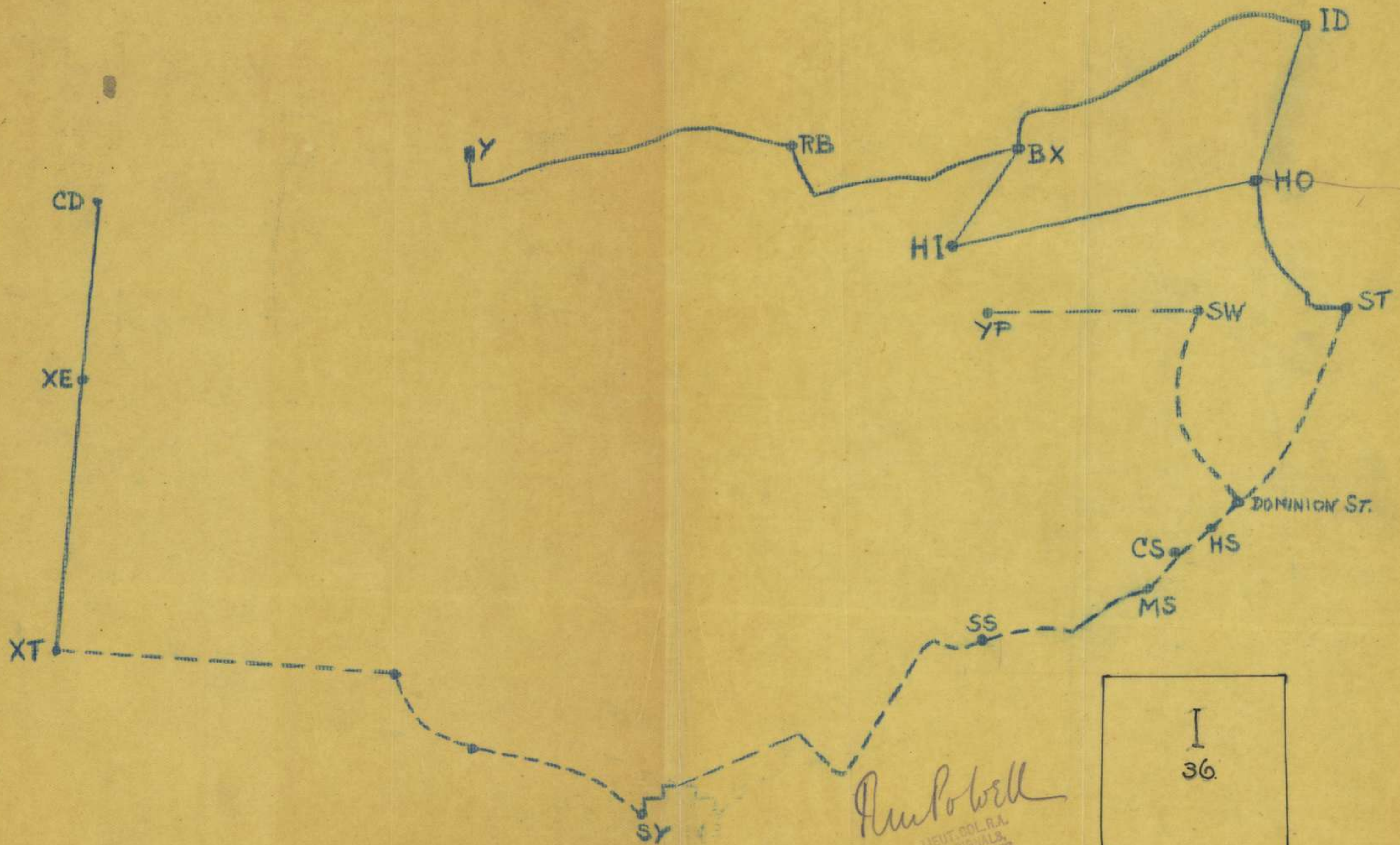
H  
6

# SECOND ARMY BURIED CABLE SCHEME.

————— To be constructed by I ANZAC CORPS:  
 - - - - - DO X CORPS:

Scale 1/20,000 Sheet 28 NW (Part of) 5/9/17.

Appendix No. 5



*Am. Powell*  
 LIEUT. COL. R.A.  
 A.D. SIGNALS,  
 I ANZAC CORPS.

I  
36.



**SECRET.**Appendix No 6<sup>28</sup>

AMENDMENT to BURIED CABLE SCHEME, I ANZAC CORPS.

(Preliminary Instructions).

Appendix VI

A. D. SIGNALS.

I Anzac CORPS.

No. T.S. 16/9.

Date 6.9.17.

1. Consequent on an alteration in the scheme to be carried out by Corps on our right, the following alterations in I Anzac Buried Cable Scheme are necessitated:-

- (a) The route HO - ST will not be constructed.
- (b) A route will be constructed from HO to CLAPHAM JUNCTION (CJ) J.13.b.6.0 to meet X Corps route from south.  
The route HO - CJ can be mainly carried through Hooze Tunnels.

2. The preliminary instructions issued will be amended as follows:-

- (a) para. 9. for "HO to ST, etc."

read "HO - CJ 12 7 pr. brass.)  
8 Iron quad. ) ... Total <sup>100</sup> 54 pairs."

- (b) for para.11, lines 2 and 3 read -

"1st Bn. H.Z.R.B. - Y - RB, BX - HI, HI - HO, HO - CJ.

"3rd Bn. H.Z.R.B. - RB - BX, BX - ID, ID - HO."

- (c) in para. 12 for lines 2,3,4, and 5 read -

"Y - RB.  
RB - BX.  
BX - ID.  
HI - HO."

- (d) for para. 13 read -

"The routes of ID - HO, HO - CJ, HI - HO are not at present exact."

3. Plans should be amended accordingly.

*R. Powell*  
Lieut. Col., R.A.,

A.D.SIGNALS, I ANZAC CORPS.

Sept: 6th,  
1917.

*War Diary*  
.....  
.....



SECRET.

Copy No. 3.....

Appendix No. 7

D.D. Signals, Second Army.  
I Anzac "G".  
War Diary.

A. D. SIGNALS,	
1st ANZAC	CORPS.
T.S. 27/3.	
No.	7/9/17.
Date.....	

## Appendix VII

### I Anzac Corps Buried Cable Scheme.

The following progress has been made with buried cable work to date.

1. Y - RB route has been completed from Y to I.15.b.2.9. That is  $\frac{3}{4}$  mile of cable trench, 54 pairs. It is expected that this route will be completed to RB test point to-night.
2. ID - BX route has been completed from ID to I.11.d.7.3. That is one mile of cable trench, 54 pairs. Two legs amongst these cables test "dis". It is expected this route will be completed to BX to-night and the sector BX - RB commenced.
3. The route ID - HO has been surveyed, and it will be very difficult to get 6 ft. depth in this sector owing to the marshy and broken condition of the ground.
4. The 25th Divisional Signal Company is starting to-morrow morning to run cables in the ~~trench~~<sup>tunnel</sup> back from CJ towards HO, but the ~~trench~~<sup>tunnel</sup> is in a very bad state, and it is doubtful at present whether it will be possible to get the cables into the tunnel all the way to HO.
5. 3rd New Zealand Battalion unfortunately had several casualties on the night 5th/6th, near Bellewarde Ridge, chiefly from gas.

*Ren Powell*

Lieut. Colonel, R.A.,

A.D.SIGNALS, I ANZAC CORPS.

7th September,

1917.



O.C. "K" Corps Signal Company.  
O.C. 25th Divisional Signal Co.  
O.C. 47th Divisional Signal Co.  
O.C. 1st Aust. Div. Signal Co.  
O.C. 2nd Aust. Div. Signal Co.  
O.C. 5th Aust. Div. Signal Co.  
Corps Wireless Officer.

I Anzac "G", (for information).

A. D. SIGNALS,  
t. ALZAC CORPS.  
No. T.S. 19/9  
Date 7/9/17.

Appendix VIII Date: \_\_\_\_\_

1. The Field Cipher is now in operation for wireless in this Army area. Playfair should not be used.
2. The following system of notifying the code words is adopted in Second Army area.
3. Cards shewing 30 code words are issued by Army through A.D.Signals to officers in charge of signal companies working wireless stations in the line, for distribution as required.
4. Each code word is numbered.
5. Numbers indicating code words for the following week will be issued by Army through A.D.Signals to O's. C. Signal Companies thus:-  
"From midnight 4/5th July - 1, 10, 21, 23, 19, 25, 4."  
This information will be issued under reference "F.P.T."
6. The code words will be communicated to operators daily, by such means that circumstances may dictate. In some cases it may be advisable to provide the operators with cards and notify the number of the word daily by wireless from Corps Directing Station. Corrections should not be sent by wire but under cover.
7. Every care will be taken to prevent these cards falling into the hands of the enemy. Cards are numbered <sup>and</sup> on relief of Divisions will be handed over, a copy of receipt obtained being forwarded to A.D.Signals.
8. If for any reason instructions are not received with regard to the numbers of code words to be used for any week, then the code words should be adopted as in the previous week and in the same order.
9. If there is any suspicion that the code word or the code word card has fallen into the hands of the enemy, A.D.Signals will be notified by wire immediately.
10. The above system will come into force in this Corps area from midnight 7/8th September. "F.P.T." numbers will be issued under separate cover to O's. C. Signal Companies concerned.
11. copies of cards numbered to enclosed.
12. ACKNOWLEDGE.

September 7th,  
1917.

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

War Diary



R. Coy. ho. 1.	1 (14)	T.S. 19/1
25th Div. Sig. Co. ho. 3.	5 (9-13)	19/3.
47th Div. Sig. Co. No. 2.	<del>nil</del> 15	19/2
1st Aust. Div. Sig. Co. ho. 8.	nil	19/8.
2nd .. .. ho. 7.	nil	19/7.
5th .. .. ho. 6.	nil	19/6.
Corps W/T Officer ho. 4.	5 (4-8)	19/4. *
1 Amzac G. ho. 5.	1 (3)	19/5.

\* delivered personally



Appendix N<sup>o</sup> 9

War Diary .

SECRET.

(4)

- 1 O.C. 25th Divisional Signal Company.
- 2 O.C. "K" Corps Signal Company. —
- 3 Corps Wireless Officer.
- 4

A. D. SIGNALS,

CORPS.

752074

7-9-17

appendix IX

My F.P.T.

From midnight 7/8th September.

43.

Acknowledge.

R. D. Powell

Lieut. Col., R.A.,

A.D.SIGNALS. I A.N.Z.A.C.

Sept. 7th  
1917.



## Appendix No 10

SECRET.

Copy No. 5.....

O.C. 25th Div. Signal Company.  
 O.C. "K" Corps Signal Company.  
 Corps Wireless Officer.  
 — War Diary.  
 O.C. 47th Div. Signal Co.

A. D. SIGNALS,	
1st ANZAC CORPS.	
No.	T.S. 25/5
Date	7/9/17.

Appendix X

My F.P.T. -

From midnight 8th/9th September:-

39, 17, 8, 24, 50, 1, 30.

Acknowledge.

7th September,  
 1917.

*R. B. Powell*  
 Lieut. Col., R.A.,

A.D.SIGNALS, I A.N.Z.A.C.



Appendix No 11

HEADQUARTERS, 1st ANZAC.	
No.	184/101.
Date.	

1st ANZAC Corps Headquarters,  
8th September, 1917.

\*\*\*\*\*

Appendix XI

1st Australian Division.  
2nd Australian Division.  
5th Australian Division.  
A.D. signals, (for information). ✓

With reference to "Signal Procedure and Instructions for Operators, Power Buzzer and Amplifier Working", issued under this office letter 184/92 of 7th August, 1917:-

Herewith are forwarded 20 copies of amendments to the above instructions, which will take effect from midnight 14th/15th September.

Please acknowledge receipt.

*W. J. Jones* Lieut Col  
Brigadier-General,  
General Staff,  
First ANZAC Corps.



*Phags*

General  
Director  
of  
the  
Australian  
War  
Memorial  
Commission  
1st Australian Division

1st Australian Division

above instructions, which will take effect from receipt of

present to the following: 20 copies of manuscript to the

main file of the letter, copies of the original, 101st

the operations, 1st Australian Division, and 101st Australian Division

with reference to original procedure and instructions

1st Australian Division

*Appendix XII*

00000

21 September 1917

1st Australian Division

Date	21/10/17
File No.	101

Appendix No 11



9th September, 1917.

SIGNAL INSTRUCTIONS No.2.

Issued with G.S. Preliminary Instructions No.4.

TS 36/12  
10-9-17Appendix XII

PRELIMINARY PREPARATIONS of DIVISIONAL COMMUNICATIONS  
for OPERATIONS.

1. The details of the Buried Cable Scheme now being constructed in this area have been issued by A.D.Signals to Divisional Signal Company Commanders. The scheme provides for the construction of buried routes to CLAPHAM JUNCTION (J.13.d.8.9) which will carry the communications of the Right Division, and to ID (BELLEWARDE RIDGE - J.7.a.3.2) which will carry the communications of the Left Division.

2. 1st and 2nd Australian Divisions will at once undertake the work of pushing forward buried cable routes from the above points respectively to cable heads which will be situated in the front line or as near to it as possible.

3. Divisions will select the positions of cable heads. 50 pairs will be carried up each divisional sector; that is 25 pairs for each brigade sector. These 50 pairs on each divisional front will be run in one route if the G.O.C. Division decides to have only one cable head, or in two routes of 25 pairs each if G.O.C. Division decides to have two cable heads. In addition, cable heads will be laterally connected with 25 pair buried route by arrangement between divisions. Battalion Headquarters will be linked up to this system by divisions as required. Labour for digging and dug-out construction will be provided upon application to Corps Headquarters.

Technical supervision of the work will be provided by the Signal personnel of the Australian Division concerned. For this purpose 1st and 2nd Australian Divisions will each send forthwith to the 47th Division forward area 2 officers and a sufficient proportion of other ranks. These parties will be accommodated and administered by the 47th Division by arrangement with Corps "C". Cable will be provided by A.D.Signals. Estimates for cable accompanied with a plan of the routes selected will be forwarded by the O's. C. Divisional Signal Companies to A.D.Signals as soon as possible. Allotment of circuits on all buried routes as between divisions, Heavy Artillery, etc., will be made by A.D.Signals.

4. In addition to the above work, Right Division will link up its two Brigade Headquarters with Corps Test Point at HO (HOOGE) by a buried spur of 25 pairs.

The BK - ID route will be split near the two brigade headquarters of Left Division (Y WOOD) under arrangements to be made by A.D.Signals, and a buried spur of 25 pairs constructed by Left Division into the Brigade Headquarters.

5. ACKNOWLEDGE.

*R. Powell*

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

Distribution:-	Copy No.
1st Australian Division.	1.
2nd Australian Division.	2.
4th Australian Division.	3.
5th Australian Division.	4.
25th Division.	5.
47th Division.	6.
G.O.C., R.A.	7.
B.G., H.A.	8.
A.H.Q.	9.
C.M.G.O.	10.
D.D.M.S.	11.
G.S. (2).	12 & 13.
File.	14 - 20.
WAR DIARY	21.



Appendix No. 13

Army Form C. 2123.  
(In books of 50's in duplicate.)

"C" Form (Duplicate). 403  
**MESSAGES AND SIGNALS.**

No. of Message.....

Charges to Pay. Office Stamp.  
£ s. d.

Service Instructions. Appendix VIII

Handed in at..... Office..... m. Received..... m.

TO.....

Sender's Number	Day of Month	In reply to Number	AAA
W.H. 820	10		
1	officer (Lieut CANE		3 f.
B. J	evacuated today		
<del>DD Sep wired</del>			
FROM	Signals 2nd Aus Div		
PLACE & TIME			

Wt. 432-M437 500,000 Pads. H W V 5/16 Forms/C.2123.



ORIGINAL

\* This line should be erased if not required.

Wt. 432—M437 500,000 Pads. H W V 5 16 Forms C, 2123.



Appendix No 14

Army Form C. 2123.  
(In books of 50's in duplicate.)

(Original).  
**MESSAGES AND SIGNALS.** No. of Message

Prefix <i>sm</i>	Code <i>lam</i>	Words <i>add</i>	Received <i>29</i>	Sent, or sent out	Office Stamp
			From	At	
Charges to collect			By		
Service Instructions <i>add</i>			To		
Handed in at			Office		
TO <i>1st Anzac Corps</i>					
Sender's Number <i>1128</i>		Day of Month <i>12</i>	In reply to Number		AAA
<i>2nd Aust Div.</i>		<i>opened at</i>		<i>Reminghelst</i>	
<i>PINK</i>		<i>at</i>		<i>BANFF</i>	<i>at</i>
<i>9 am</i>		<i>addsd</i>		<i>1st ANZAC</i>	
<i>repta</i>		<i>1st</i>	<i>4th</i>	<i>5th</i>	<i>Aust</i>
<i>Divns</i>		<i>and</i>	<i>9th</i>	<i>and</i>	<i>47th</i>
<i>Divns</i>					
<i>Circulate</i>		<i>G</i>	<i>CU</i>	<i>As sigs to see</i>	
<i>AQ</i>					
<i>As sigs</i>					
<i>VC</i>					
FROM <i>2nd Aust Div</i>					
PLACE & TIME <i>9 am</i>					

\* This line should be erased if not required.

Wt. 432-M437 500,000 Pad. H W V 5.16 Forms C.2123.



SECRET.

Copy No...

9  
Appendix N<sup>o</sup> 15

39

Appendix ~~XIV~~ XV

A. D. SIGNALS.

1st ANZAC CORPS.

T.S. 55/9

Date 12/9/17.

O.C. 47th Div. Signal Company.  
 O.C. 1st Aust. Div. signal Company.  
 O.C. 2nd Aust. Div. Signal Company.  
 O.C. 5th Aust. Div. Signal Company.  
 O.C. "K" Corps Signal Company.  
 Corps Wireless Officer.

I Anzac "G".  
 D.D. Signals, Second Army.) for information.

War Diary

WIRELESS CALLS.

Reference this office letters T.242/2/11 of 29-7-17  
 and T.242/2/15 of 3/8/17:

The following calls are allotted to Corps Wireless  
 Section for directing stations from this date:-

Corps Directing Station ... DL, CA', CP.

Advanced Directing Station ... NR, PK, MH.

The first call in each case is that at present in  
 use for these stations. The two alternative calls for  
 each station will be brought into use gradually and the  
 three calls for each station then used impartially.

When 1st and 2nd Australian Divisions take over the  
 line they will use the following calls for their divisional W/T  
 stations:-

1st Aust. Div.

Station ... MP, CF, CML.

Station ... ZR', PM, ZB'.

2nd Aust. Div.

Station ... ML, CY, CK.

Station... DI, ~~E\*\*~~, ZW. DV.

The station call DI, allotted to 2nd Aust. Div. is that  
 at present in use by the 47th Div. Wireless Station at Birr  
 Cross Roads. When 2nd Aust. Div. take over this station,  
 (whether the latter is established in the same position or not)  
 the call DI will be used for it. The alternative calls will  
 be brought into use gradually and used impartially.

When 1st Aust. Div. establish a station, one of the  
 two groups of three calls allotted to the division will be  
 used for the station as alternative calls for it and used  
 impartially.

5th Aust. Div. may continue to use practise calls alrea  
 allotted to it (viz. CN', CZ', CPE, PN.) till further notice.

The above calls will be used for wireless stations  
 only and no other calls for the latter will be used.

If a division requires during operations to use  
 more than two stations, calls for the additional station  
 will be allotted by this office.

Calls for amplifier and P.B. stations will be  
 issued later.

R. B. O. Well

Lieut. Col., R.A.,

A.D. SIGNALS, I A.N.Z.A.C.

12th Sept.,  
 1917.



## Appendix XVI

1st ANZAC CORPS

No. T.S. 61/9

Date 13/9/17.

## ALLOTMENT of CIRCUITS on BURIED ROUTES.

The following preliminary allotment of circuits on the new routes on Corps Buried System is made.

A straight line diagram is attached shewing these routes, and the location of the points between which they run.

Y - RB	Heavy Artillery	20 pairs.
	1st Aust. Div.	10 "
	2nd Aust. Div.	10 "
RB - BX	Heavy Artillery	20 "
	1st Aust. Div.	10 "
	2nd Aust. Div.	10 "
BX - ID	Heavy Artillery	12 "
	1st Aust. Div.	4 "
	2nd Aust. Div.	12 "
BX - HI*	Heavy Artillery	10 pairs.
	1st Aust. Div.	12 "
	2nd Aust. Div.	4 "
HI - HO	Heavy Artillery	10 "
	1st Aust. Div.	12 "
	2nd Aust. Div.	4 "
HO - CJ	Heavy Artillery	12 "
	1st Aust. Div.	12 "
	2nd Aust. Div.	4 "
ID - HO	Heavy Artillery	10 "
	1st Aust. Div.	4 "
	2nd Aust. Div.	4 "
EN.1 - EN.20	Heavy Artillery	8 "
	1st Aust. Div.	8 "
	2nd Aust. Div.	8 "
EN.20 - XT	Heavy Artillery	8 "
	1st Aust. Div.	1 "
	2nd Aust. Div.	1 "
XT - CJ	Heavy Artillery	7 "
	1st Aust. Div.	1 "
	2nd Aust. Div.	1 "
EN.1 - C.	Heavy Artillery	10 "
	1st Aust. Div.	8 "
	2nd Aust. Div.	8 "
C - Y or C - CB - Y	Heavy Artillery	10 "
	1st Aust. Div.	8 "
	2nd Aust. Div.	8 "
C - XT	Heavy Artillery	7 "

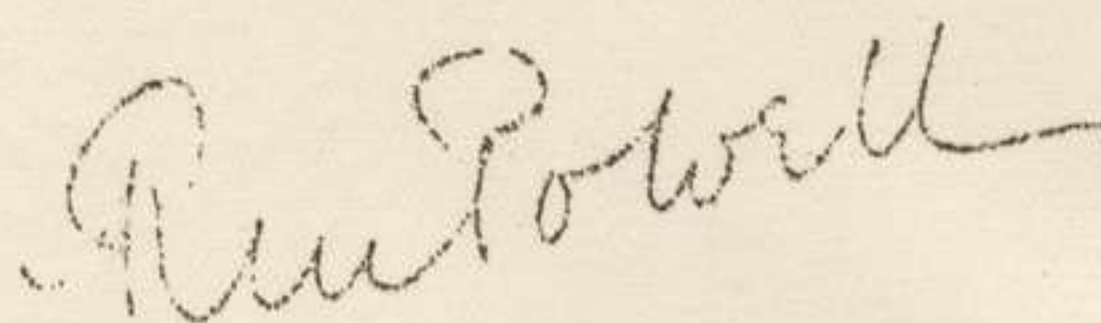
Signal/



- 2 -

Signal Officers of Heavy Artillery, 1st and 2nd Australian Divisions will apply to the Area Signal Officer at EN.1 for the numbers of the circuits allotted in accordance with the above. The Area Signal Officer will give information as to when the circuits will be available for use.

Signal Officers of Corps Heavy Artillery and 1st and 2nd Aust. Divisions will notify to A.D.Signals as soon as possible how many additional circuits on the forward routes they are likely to require.



13th September,  
1917.

Lieut. Colonel, R.A.,

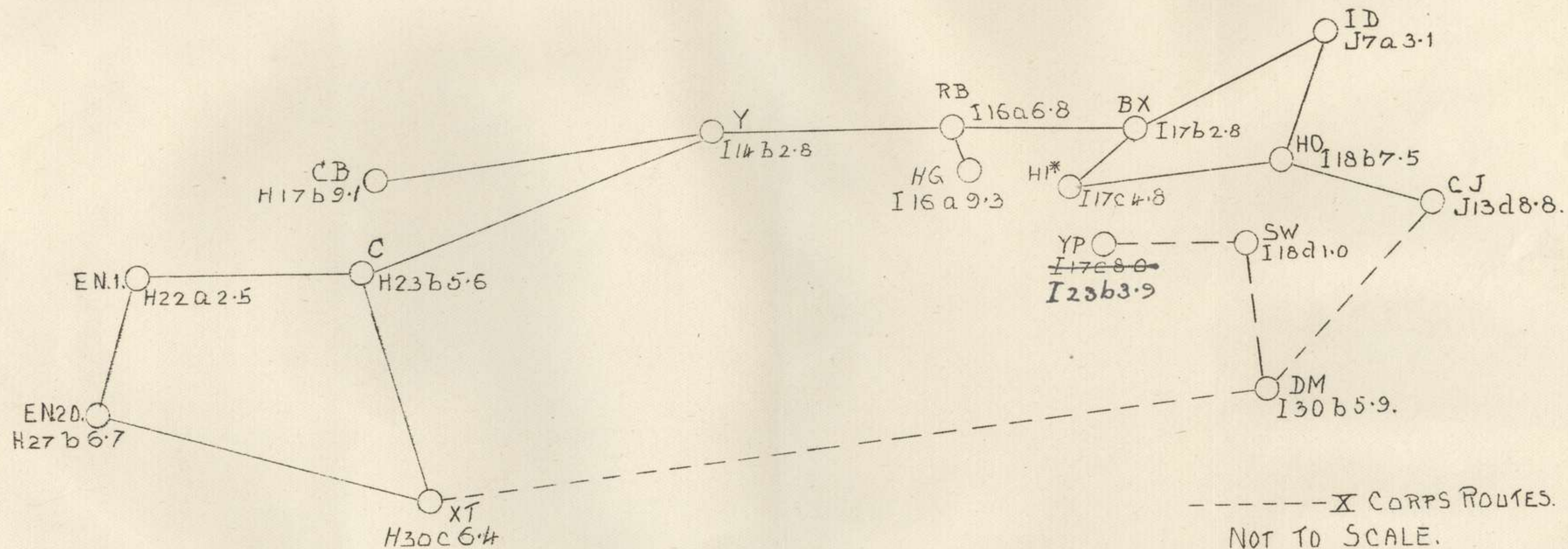
A.D.SIGNALS, I ANZAC CORPS.

Distribution:-

	<u>Copy No.</u>
O.C. "K" Signal Company	1.
O. i/c Signals, Corps H.A.	2.
O.C. 1st Aust. Div. Sig. Co.	3.
O.C. 2nd Aust. Div. Sig. Co.	4.
Area Signal Officer.	5&6.
I Anzac "G".	7.
D.D.Signals, Second Army.	8.
War Diary.	9.
File.	10 - 12.



PLAN SHOWING NEW ROUTES ON BURIED CABLE SYSTEM.  
I ANZAC CORPS.



13-9-17.

Appendix No 16

42



Appendix No 17

"A" Form.  
MESSAGES AND SIGNALS.

Army Form C. 2121  
(in pads of 100).  
No of Message.....

Prefix.....	Code.....	m.	Words	Charge	This message is on a/c of:  .....Service.	Recd. at.....m
Office of Origin and Service Instructions.			Sent			Date.....
At once C. No			At.....m.		(Signature of "Franking Officer.")	From.....
			To.....			By.....
			By.....			
TO {			Appendix		XVII	
Sender's Number.			Day of Month.		In reply to Number.	
* AAA 807			15		AAA	
<div>Detail 300 men with proposition of officers for work (see) bringing under this Division command. It will AAA Motor transport will report at 8.30 AM. Sheet 364 sq BSA 1.6 at 9 am and convey party forward to Cape Beagle Sea 26 H 29 37.5 Officers of this Division will meet party and quarters from AAA July eight hours rationed to be carried return Supplies thereafter by this Division AAA Officer will report to CC this Division at 2.00 PM. CHAMP Sheet 28 23 B1.8 in instructions AAA Addressed 5 Aus Div repeated this Division</div> <div>Copy to ✓ AD Syp -</div>						
From 1/11/21						
Place						
Time						
The above may be forwarded as now corrected.					(Z) Kallifera	
Censor.					Signature of Addressor or person authorised to telegraph in his name.	
* This line should be erased if not required.						
100,000 Pads. W. 12093. M1217. M.C. & Co., Ltd. 1/17. (E. 764). Forms C/2121/11.						



AD Sep



Appendix No 18

"A" Form.  
MESSAGES AND SIGNALS.

Army Form C. 2121  
(in pads of 100).

No of Message .....

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

TO

47 Division 2 Aus Division

*Appendix XVIII*

Sender's Number. * <i>AA809</i>	Day of Month. <i>13</i>	In rep'y to Number.	AAA
------------------------------------	----------------------------	---------------------	-----

Please detail 200 men for cable buying work under  
2 Aus Division nightly from 1st Sept - AAA indiv  
transport with report at CAFE BELGE at 5pm  
to take party forward to ECOLE IGC 86  
where Signal officer from 2 Aus Div will meet them  
at 6pm AAA. After transport to return here will  
report at ECOLE at 5AM AAA. Addressed 47 Div  
repacked 2 Aus Division

✓ Copy to *AD Sup*

From <i>1/KNZR</i>		
Place		
Time		

The above may be forwarded as now corrected.

(Z)

*Kendall/then left*

Censor.

Signature of Addressor or person authorised to telegraph in his name.

\* This line should be erased if not required.

100,000 Pads. W. 12093. M1217. M.C. & Co., Ltd. 1/17. (E. 764). Forms C/2121/11.



Appendix No 18

AD Sign



SECRET.

Appendix No 19

O.C. Signals, 47th Divn.  
O.C. "K" Corps Signal Coy.  
Corps Wireless Officer.  
— War Diary.  
O.C. 1st Aust. Divnl. Sig. Coy.  
O.C. 2nd Aust. Divnl. Sig. Coy.  
-----

A. D. SIGNALS.	
CORPS.	
No.	7571/6
Date	14/9/17

Appendix ~~XVIII~~ XIX

B.A.B. Trench Code No. 3.

1.- The following correction and key-letter will be taken into use at midnight 13th/14th Sept. 1917 by Fifth Army :-

Correction	57
Key-letter	B.

2.- ACKNOWLEDGE.

*Lieut. Colonel*

Lieut. Colonel, R.A.

A.D. SIGNALS, I ANZAC CORPS.

14/9/17.



War Diary  
Draft given to  
J.S. for inclusion in  
Operation Dumbo

14-9-17



3  
DRAFT.

Appendix ~~XXX~~

PREVENTION AGAINST LEAKAGE OF INFORMATION.

1. With a view to minimising the danger of information being picked up by hostile listening sets prior to operations, all telephones will be withdrawn in front of battalion headquarters except the following:-
  - (i) Telephones for Artillery F.O.O's.
  - (ii) One telephone in each company commander's dug-out.
2. The transmission of messages between brigades and battalions, and battalions and companies will be carried out by Fullerphone. The sending of messages by buzzer is prohibited.
3. Attention is called to Second Army "Instructions regarding the use of Signalling Communications near the front", copies of which have been issued to all concerned, and which will be adhered to.

Position calls are in abeyance in this area.  
The new "Station Code Calls" will alone be ~~issued~~ used.



**SECRET.**

Appendix No 21

S.2925

*War Diary*

First ANZAC Corps,

14th September, 1917.

1st Australian Division.  
 2nd Australian Division.  
 47th Division.  
 C.R.A. 1st Australian Division.  
 C.R.A. 2nd Australian Division.  
 B.G., H.A.  
 V Corps.  
 X Corps.  
 A.D.Signals.

*Appendix XXI*Synchronisation of Watches.

1. From 8 p.m. 14th instant inclusive the synchronisation of watches within the Corps and with V Corps will be carried out twice daily as follows :-

- (a) A.D.Signals will detail an officer from "K" Corps Signal Company to carry out this duty at 10 a.m. and 6 p.m. daily.
- (b) Two reliable signal watches at corps headquarters will be synchronised with the time given out from EIFFEL TOWER daily.
- (c) The signal officer detailed in (a) will proceed with these two watches to the C's.C. Signal Units of-
  - (i) V Corps.
  - (ii) 1st Australian, 2nd Australian, and 47th\* Divisional H.Q.
  - (iii) C's.R.A. 1st and 2nd Australian Divisions.
  - (iv) B.G.H.A.

\* until 10 am.  
 September 18th.

who will synchronise reliable watches with the mean time indicated on the watches from corps headquarters.

2. An officer of X Corps H.Q. will come to First ANZAC Corps H.Q. to synchronise watches once daily from 14th instant inclusive.

(sd.) R. H. OSBORNE, Capt.,  
 for Brigadier-General,  
 General Staff,  
 First Anzac Corps.



# SECRET.

Appendix N<sup>o</sup> 22

A. D. SIGNALS.

CORPS.

No. TS66/3

Date

D.D. Signals, Second Army.  
I Anzac "G".  
War Diary.

Appendix XII

## WEEKLY PROGRESS REPORT.

### 1. Buried Cable.

The whole of the burying and laying cables in the following routes has been completed:-

Y - RB, RB - BX, BX - ID, ID - HO, BX - HI, HI - HO,  
HO - CJ, also the short junctions to the existing  
system from RB - HG, and at HI.

The jointing has been completed on the Y - RB, RB - BX, BX - ID routes, and the test points at Y, RB, BX, ID, and HG have been wired up.

The route Y to ID is therefore complete and will be ready for use to-day.

Work of jointing is proceeding on the ID - HO route, but the ground here was very difficult, and the full depth impossible to obtain. The route in this section is rather weak, and has already been blown out. Parties are still at work "banking up" and patching up the routes where required.

The work of jointing and wiring up on the BX - HI, HI - HO, and HO - CJ routes is getting behindhand.

Work on the back buries, EN.1 to C, and EN.1 to EN.20, has started to-day.

Divisions are starting to-night to bury from their Brigade H.Q. to join the Corps buried system. They will start on their forward routes to-morrow night.

### 2. H.A. Communications.

Reports not yet to hand. <sup>first</sup> The reports sent in did not convey any useful information.

### 3. PIGEONS. Training of the young birds at the lofts at Kruistraat Farm is proceeding.

There is difficulty about the Stationary Lofts at Watou. These were handed over to us by II Corps, but Fifth Army now claim them.

### 4. Wireless.

Report is attached.

*R. B. Bell*

Lieut. Col., R.A.C.  
A.D. SIGNALS, I A.N.Z.A.C.

14th September,

1917



W.27/3.

COPY.

A.D.Signals,  
1st Anzac Corps.

Progress Report to 13.9.17.Accumulator Charging.

During the week an accumulator charging lorry has been received from G.H.Q., but owing to the fact that the floor of lorry is insufficiently reinforced, the engine and generator has had to be taken out and set up on proper foundation in dug-out which we have had constructed for the purpose. The dug-out is splinter proof and should make this charging set more reliable for amount of work it will have to do.

A Ballot set is being installed at the Ramparts which together with a 10 amp. circuit promised by the Electrical and Mechanical Company (Major Morse) will constitute the Corps forward charging station.

A circuit of 6 amps. has been also promised by Major Morse at both Halfway House and Birr Cross Roads which when fitted with switchboards will constitute the Divisional charging stations in each Divisional area respectively. Another Ballot Set is available for installation if necessary and a suitable spot can be found for it forward.

Instruments.

Nothing to report.

14/9/17.

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



## BURIED CABLE SCHEME.

51

A. D. SIGNALS.  
*Appendix XXIII*  
**Appendix No 23**  
CORPS.

No. *TS 65/18*  
Date *14/9/17*

## Instructions for Maintenance.

1. Corps Signals will assume responsibility for the maintenance of all buried routes shown on the attached diagram.

2. For purposes of maintenance these routes will be divided into sub-areas as shown in colors on the diagram. In each sub-area there will be a cable section party, under an officer (who will be known as the sub-area signal officer). This party will be responsible for the maintenance of the routes and manning of the test points allotted to the sub-area.

3. Cable section parties are allotted to sub-areas as follows:-

A (black)	Sub-area	OO	Section	...	Lt. Beaver.
B (red)	"	P	"	...	Lt. Helmsley.
C (blue)	"	AA	"	...	Lt. Smith.
D (brown)	"	J	"	...	Lt. Heddewick.
E (green)	"	BD	"	...	Lt. Starbruck.
F (purple)	"	AT	"	...	Lt. Jackson.

4. Certain linemen will be provided by 57 Area Signal Detachment to assist in the manning of test-points. At test-points which will be used by Artillery as switching points artillery linemen will also be stationed.

5. Sub-area signal officers will work under the instructions of the area signal officer, who will be located at EM.1. Lieut. Branch and Lieut. Edwards will cojointly perform the duties of area signal officer. Lieut. McMurray will act as liaison officer between area signal officer and sub-area signal officers.

6. The following arrangements have been made as regards allotment of circuits on buried routes.

A.D. Signals will allot circuits on buried routes. The allotment made will be notified by A.D. Signals to area signal officer who will notify to the unit the actual numbers of the wires to be used for the circuit. Area signal officer will notify the sub-area officer concerned accordingly, and sub-area officers will issue the necessary instructions to the linemen concerned.

Units allotted circuits on the buried routes will bring their cable circuits to the test point directed by the area officer, and connect them to a subscriber's rack there provided for the purpose, and label them. Connections from the subscriber's rack to the main test rack will be made by a resident lineman only.

7. Units will not be permitted to use any circuit other than those allotted to them, unless by the sanction of the sub-area signal officer which will only be given as provided for below.

Units wishing to have crosses over made on the circuits allotted to them, will apply to the sub-area officer, or in his absence to the lineman at the test point concerned. Such cross-overs will be made by the resident lineman, and by no other person. Sub-area officers are responsible that they are kept informed of any changes made in their sub-areas.

8. Sub-area officers will keep records of the allotment and use of all lines in their sub-areas, and be responsible that the linemen at manned test points know the allotment of all circuits emanating from their own test-points.

9. One lineman will always be on duty in every manned test point.



10. A certain number of reserve circuits will be allotted by the area signal officer for use to replace faulty pairs. Sub-area officers may utilize these circuits for the above purpose only, but will immediately notify the area signal officer of any circuit so used, and will endeavour to repair and restore the faulty circuit as soon as possible.

11. Two pairs on each route will be allotted by area signal officer as linemens' circuits. The highest numbers of wires on the route should be used for this purpose. A linemens exchange will be established at each manned test-point. The linemens exchange will be entirely separate from any other exchange or switching board established at the test point.

12. In the event of units applying to sub-area signal officers for circuits, such request will be passed by the sub-area officer to the area officer who will refer the same to the A.D. Signals.

13. Although routes have been allotted for their entire length to one or other sub-area for maintenance, if a fault occurs linemen will at once go out towards the fault from the test point at either end, irrespective of in whose maintenance the route lies.

14. Units will be responsible for the maintenance of their own external connection to the subscribers racks at test points.

15. In the event of a breakdown occurring which it is beyond the power of the sub-area maintenance party to deal with quickly, the sub-area officer concerned will notify area signal officer, who will ask A.D. Signals for assistance from divisional signal companies.

*R. Powell*

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

September 14th,  
1917.

Distribution:-

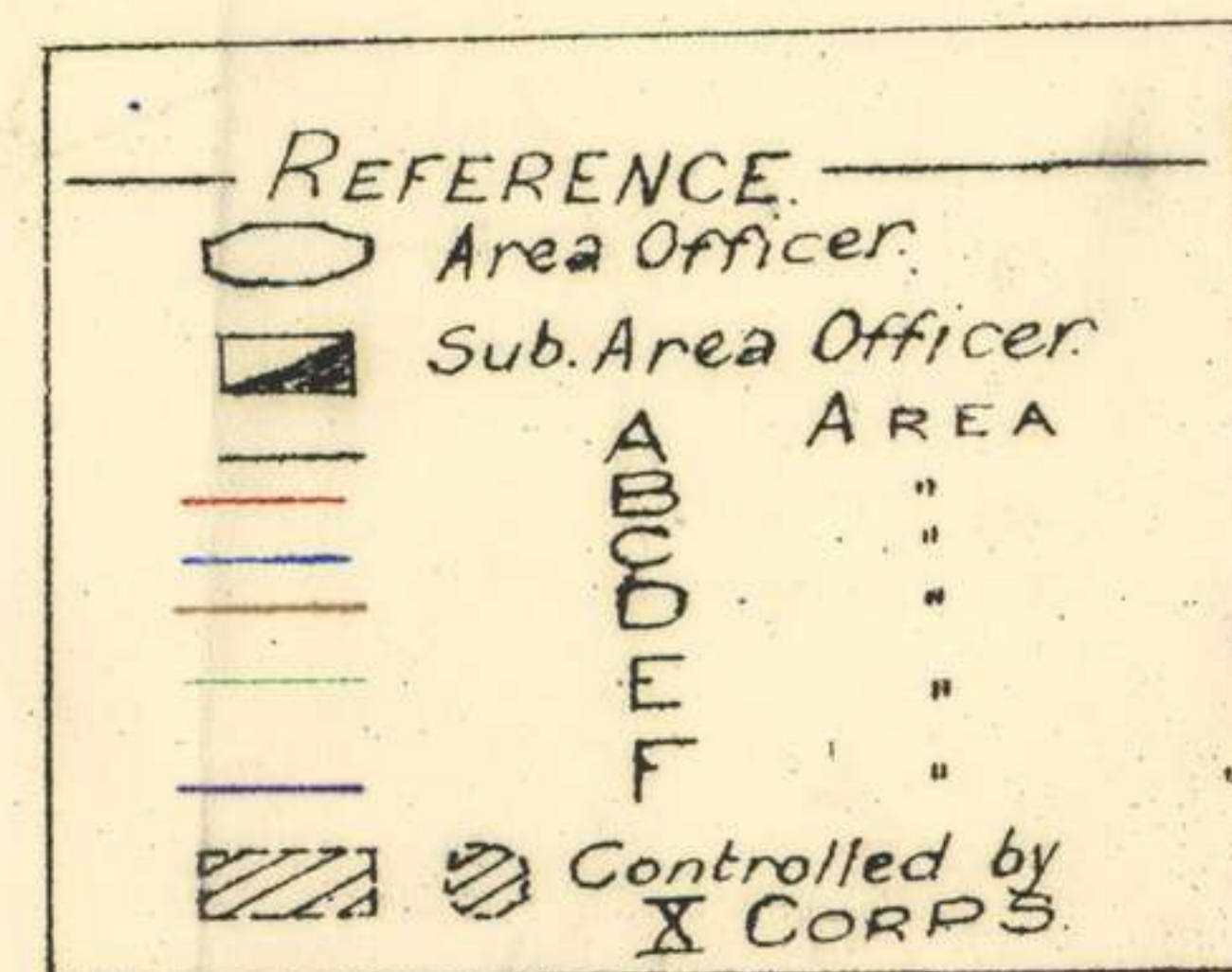
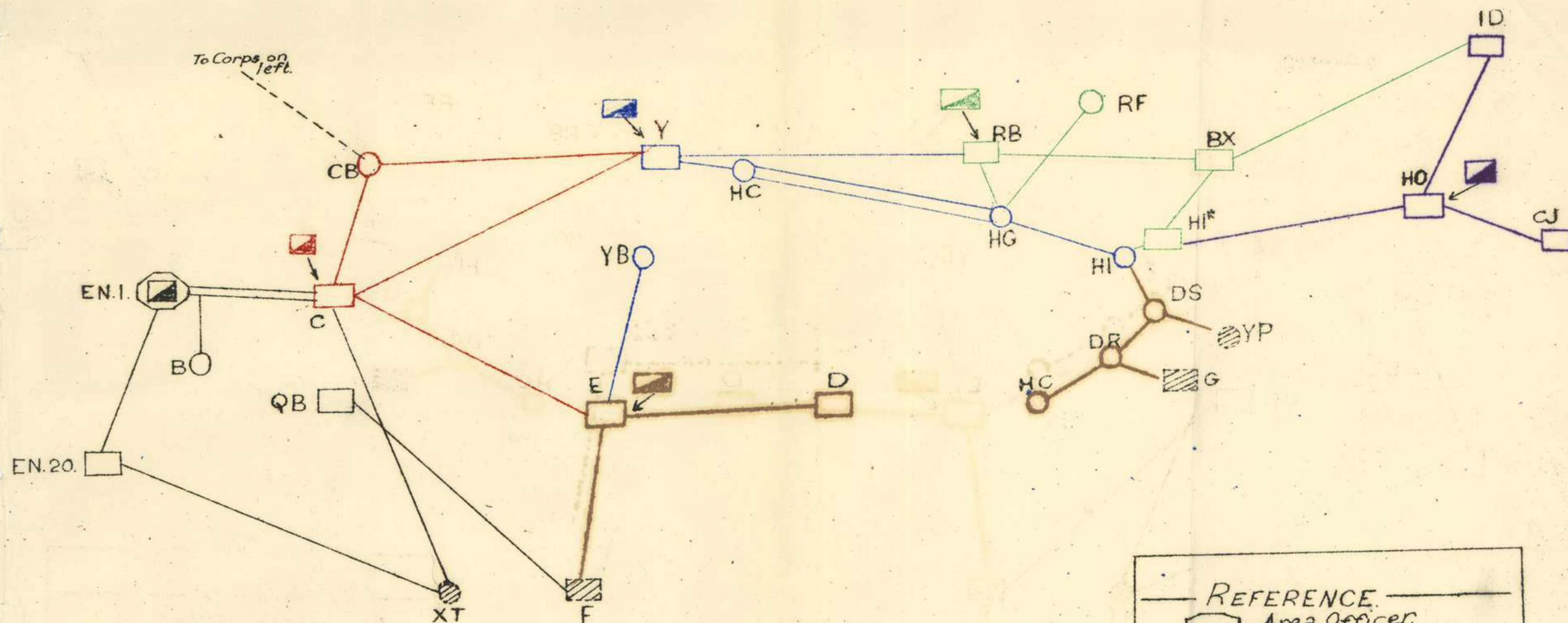
O.C. "K" Signal Company.  
O. i/c Signals Corps Heavy Artillery.  
O.C. 1st Aust. Div. Sig. Co.  
O.C. 2nd Aust. Div. Sig. Co.  
O.C. 4th Aust. Div. Sig. Co.  
O.C. 5th Aust. Div. Sig. Co.  
O.C. 47th Div. Sig. Co.  
Captain Rollo.  
Lieut. Branch.  
Lieut. Edwards.  
Lieut. McMurray.  
Lieut. Jackson.  
Lieut. Heddewick.  
Lieut. Holmsley.  
Lieut. Starbruck.  
Lieut. Smith.  
Lieut. Beaver.  
War Diary.



# Organization for Maintenance of Buried Cables

## 1ST ANZAC CORPS — SECOND ARMY.

13-9-17



B.I.S. No. 4.



First ANZAC Corps H.Q.,

15th September, 1917.

*War Diary*  
SIGNAL INSTRUCTIONS  
No. 3.

Issued with G.S. Preliminary Instructions No. 5.

COMMUNICATIONS General Scheme, Part A. Preparatory.

1. The means of communication available in this area are -

- (a) Lines.
- (b) Visual.
- (c) Wireless.
- (d) Power Buzzer and Amplifier.
- (e) Pigeons.
- (f) Despatch riders and Runners.

2. LINES.

(i) Open wires run forward from Corps Headquarters by various routes and concentrate at the two following points

EM.1 (Kruistraat Farm).  
EM.20 (H.27.b.6.8.).

At the former place is a Corps Test Point, also an advanced exchange and signal office.

At the latter place is a Corps Test Point.

(ii) With the exception of two short routes, all routes on the Corps system running forward from EM.1 and EM.20 are buried. A print shewing these buried routes is attached.

A tracing shewing the new buried system now being constructed by Corps Signals, also the new main buried route being constructed by X Corps (on which certain circuits will be allotted to this Corps) is attached.

The general policy of the new buried scheme of Xth and 1st Anzac Corps is to run two routes to the forward area, laterally connected in the form of a ring, avoiding as far as possible the heavily shelled area about Zilleboke, and to use the existing buried routes as feeders to this system, and for connection to units situated within the ring.

From the two forward points on the new Corps system, i.e. CJ (Clapham Junction) on the right, and ID (Belleward Ridge) on the left, divisions have been instructed to continue buried routes forward to near the front line, and to connect these routes laterally at their forward end.

(iii) Allotment of lines.

All lines on the buried system, including the divisional routes, will be allotted by A.D.Signals to divisions, heavy artillery, and to certain other units.

The allotment to divisions will include the circuits for divisional artilleries. That to heavy artillery will include circuits for kite balloons, survey companies and sound ranging sections. A certain number of circuits on main routes will be held in reserve by A.D.Signals to meet breakdowns and subsequent requirements, and as service lines.

It is proposed to establish a small Corps Forward Exchange at Hooge, to which lines will be run from the Corps Exchange at Kruistraat Farm (EM.1), to which right and left divisions will be connected by as many alternative routes as possible.

No formation or unit will make use of any circuit other than that allotted to it, without application to A.D.Signals or the Area Signal Officer as his representative. (See below).

The initial allotment of circuits on new buried routes will be notified by A.D.Signals to Signal Officers concerned as soon as the routes are completed.



(iv) MAINTENANCE.

Corps Signals will maintain all open wire routes in the Corps area.

Corps Signals will assume responsibility for all buried routes, new and existing, as far forward as CJ and ID.

Corps Signals includes Corps Heavy Artillery Signal Section. Divisional Signal Companies will, however, assist Corps Signals in repairing breakdowns on buried routes in their own areas if called on by A.D. Signals to do so.

Routes forward of CJ and ID will be entirely in divisional maintenance.

Any spurs constructed by units for bringing their lines on to the Corps buried system will be maintained by the unit constructing them.

For maintenance purposes the Corps buried system will be divided into sub-areas, in each of which there will be a sub-area officer with a party of linemen. A diagram shewing the division of these sub-areas is attached.

All sub-area officers will work under the Corps area Signal Officer whose headquarters will be at Kruisstraat Farm (EN.1).

Applications for circuits on Corps buried system may be made direct to sub-area signal officers or to the area signal officer who will deal with them in accordance with instructions to be issued to them by A.D. Signals.

The following points will be manned as test points by Corps signals assisted by artillery signal linemen:-

EN.1	Y.
EN.20.	RB.
C. (Belgian Chateau).	BX. (Bde. H.Q.)
D.	HH. (Bde. H.Q.)
G. (X Corps.)	HO
XT. (X Corps.)	ID.
QB.	CJ.
E.	

Formations and units bringing <sup>in</sup> lines to connect to circuits on the buried system will bring them to one of the above points and label them. They will there connect them to a special rack provided for the purpose. All connections from these racks to the main test rack of the buried system will be made by a "resident" lineman, and the main test racks will not be interfered with by any other lineman.

No line will be led into or off any intermediate test box without the sanction of the sub-area signal officer. Units wishing circuits joining through at any test point will apply to the sub-area officer who will instruct the Corps lineman concerned.

(v) Use of Buried Lines by Artillery.

It is anticipated that the number of circuits available will not be sufficient to provide direct lines from Groups to all their batteries or from all batteries to their O.P's.

A certain number of "trunks" will be available for heavy and divisional artilleries between the test points most conveniently situated to group, battery, and o.p. positions. The Group, battery and o.p. lines will be brought to these points respectively. Plug and socket boards will be installed there, and connection between groups, batteries and o.p's. arranged by a system of switching. Officers i/c Signals Corps Heavy and Divisional Artilleries will prepare schemes with this object directly the battery and o.p. positions are fixed.



Circuits allotted to formations should be utilized so as to provide alternative routes as far as possible.

### 3. VISUAL.

Under suitable conditions the forward area gives favourable opportunities for visual signalling, and every effort will be made to enable this means to be used as supplementary and alternative to line communication.

A central visual station will be selected and established in each divisional sector to which a chain of visual communication from the front line will be arranged. Steps will be taken to provide as much cover as possible for these visual stations. The divisional reading stations should be connected by telephone to the nearest brigade headquarters.

### 4. WIRELESS and POWER BUZZER.

Corps directing station is established at Kruistraat Farm, and the sub-directing station in the Ramparts at YPRES. Both these stations will be connected by telephone to Corps Exchange at Kruistraat Farm.

Right and Left Divisions will each establish a trench set in the proximity of their Reserve Bde. H.Q. - Halfway House in the case of Right Division, Birr Cross Roads or I.12.c.3.5 in the case of Left Division.

It is not considered possible to maintain wireless stations forward of these places. To these places a chain of power buzzer and amplifier stations working from the front line will be established in each divisional sector. A power buzzer and amplifier station should be at one of the Advanced Bde. H.Q. of each division. "Up and down working" will be arranged. The 2 amplifiers now with each division will be reinforced by 3 amplifiers for operations.

As soon as divisions have submitted their communication schemes, a Corps wireless scheme will be issued.

Accumulators will be charged at the following places :-

Halfway House.  
Birr Cross Roads.  
Ramparts.  
Corps Wireless Section H.Q. (Stone siding on  
Reninghelst - Ouderdonk road.)

Calls for wireless and amplifier and power buzzer stations will be allotted by A.D.Signals.

In the event of a breakdown occurring on the buried routes, and conditions being unsuitable for visual signalling, communication should be possible by the power buzzer - amplifier and wireless chains being established.

To enable transmission of important messages to be carried out quickly by this means, all messages to be sent by power buzzer must be in code, as brief as possible, and confined to such as are of extreme tactical importance.

No message will be sent by power buzzer unless it is endorsed "By P.B. as written" and signed by the commander on the spot or his representative.



PIGEONS.

The following lofts are available at Kruistraat Farm:-

R.25	Stationary Loft.	60 birds.	(28)
R.24	Mobile (Horse drawn loft)	48 "	(30)
R.57	" " " "	53 "	(20)
R.58	" " " "	40 "	(25)

It is probable that about an additional 20 young birds will be available for use at each of the above lofts by 19th instant.

The above lofts will be allotted to Divisions as follows:-

Right Division ... R.25 Stationary.  
58 Mobile.

Left Division. ... 24 Mobile.  
57 Mobile

These lofts will be connected to the divisions they serve by telephone. Divisions will provide telephonists at the loft.

In addition to the above lofts there is a motor mobile loft (No.5) at Brandhoek with 64 birds, which will be available for Corps Heavy Artillery, and as Corps reserve.

~~There are also 5 stationary lofts at Watou with 127 birds in all, which will also form Corps reserve, but owing to their situation these lofts are not likely to prove of much service.~~

Divisions will draw from the lofts allotted to them, but the number drawn should be such that each bird will have at least 48 hours rest at the loft after its return.

Corps Heavy Artillery will draw any birds required from the Brandhoek loft. The same reservation as to use of birds by divisions will apply.

Divisions requiring more birds than they can obtain from their own lofts will apply to A.D.Signals.

A.D.Signals will supply the following:-

"Assault Baskets"

Right and Left Divisions	each	50.
Corps Heavy Artillery.		20.

Arrangements have been made to place in each assault basket (holding two pigeons) a waterproof envelope containing message forms sufficient for 2 messages, clips, and a pencil.

A Corps reserve of pigeons, etc, will be held at EN.1, in charge of the Corps Pigeon Sergeant.

Corps will deliver pigeons for right and left divisions once daily to Birr Cross Roads, at a time to be notified by A.D.Signals.



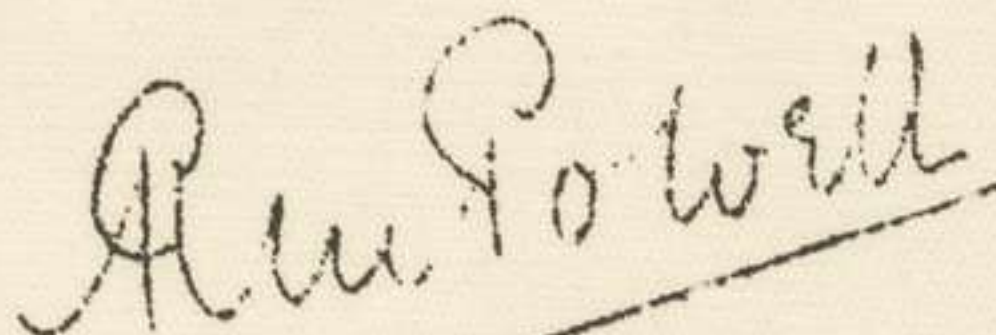
- 5 -

Appendix No. 24

6. GENERAL.

All circuits in the Corps area will be metallic.  
Earth lines are forbidden.

The responsibility for lateral communication will be  
from left to right.



14th September,

1917.

Lieut. Colonel, R.A.,

A.D.SIGNALS, I A.M.Z.A.C.

Distribution:-

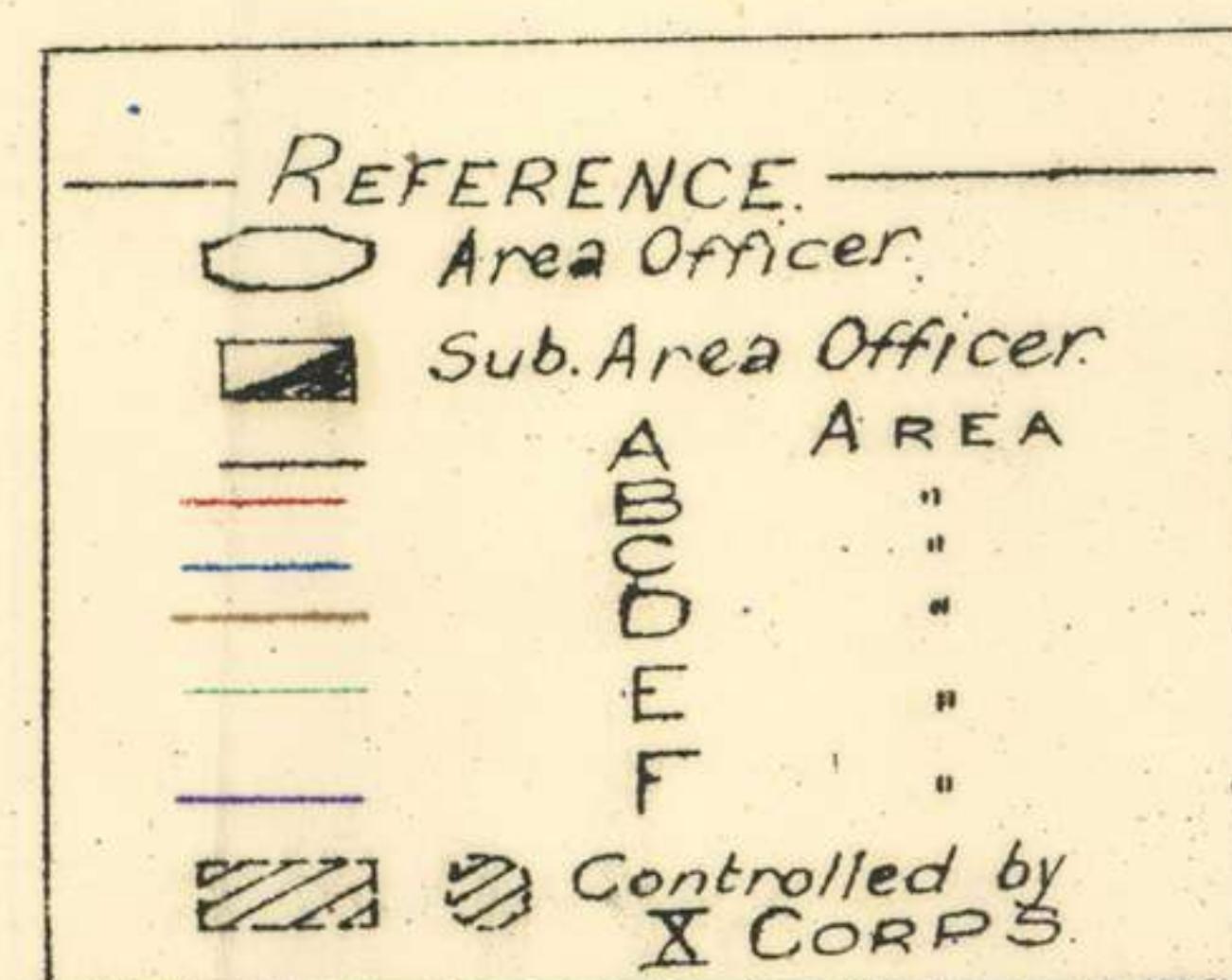
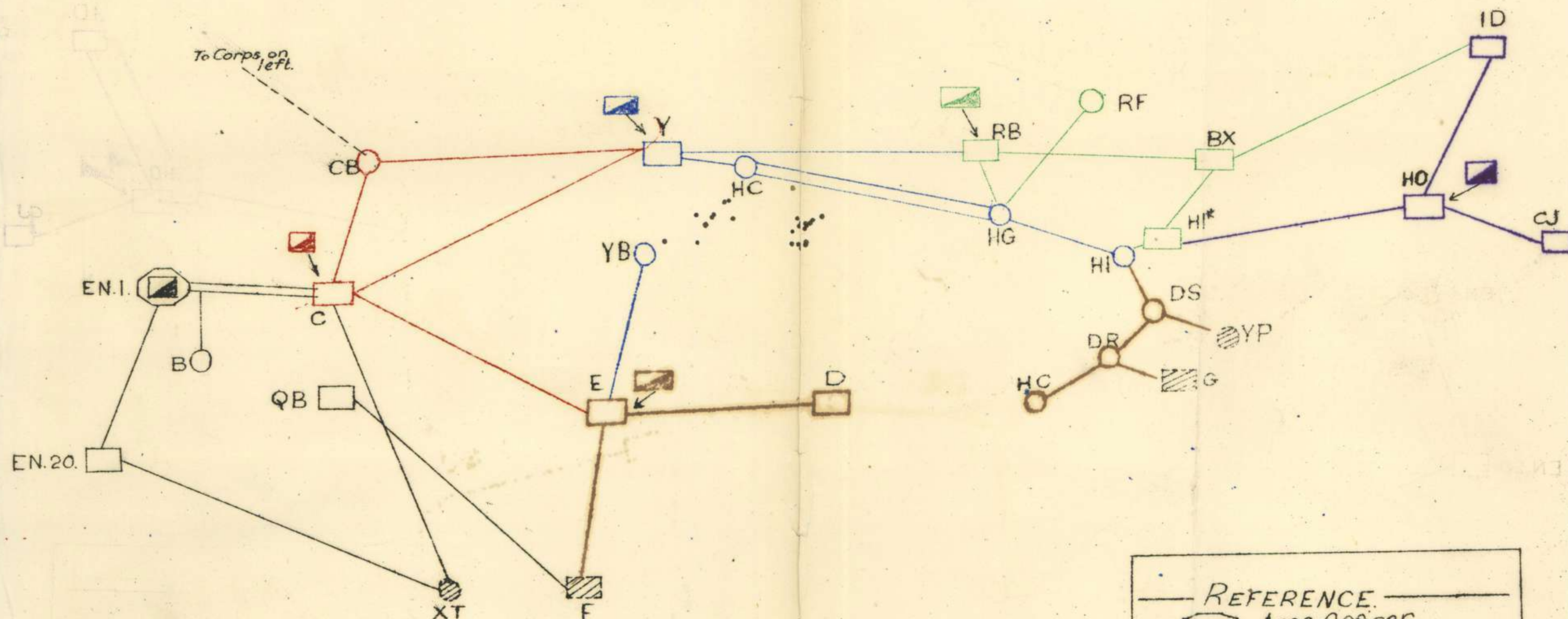
O.C. 1st Aust. Div. Sig. Co.  
O.C. 2nd Aust. Div. Sig. Co.  
O.C. 4th Aust. Div. Sig. Co.  
O.C. 5th Aust. Div. Sig. Co.  
O.C. 47th Div. Signal Co.  
O.C. "K" Corps Signal Co.  
O. i/c Signals, Corps H.A.  
Area Signal Officer.  
A.D. Signals V Corps.  
A.D. Signals X Corps.  
D.D. Signals, Second Army.  
I Anzac "G". (8 copies).  
G.O.C. R.A.  
C.M.G.O.

Copy to 12 War Diary. ✓



1ST ANZAC CORPS—SECOND ARMY.

13-9-17.



B. I. S. N° 4



— War Diary

I ANZAC "G"  
O.C. "K" Corps Signal Coy.  
A.D. Signals, Xth Corps.  
D.D. Signals, 2nd Army.  
G.O.C.R.A.  
-----

Appendix XXIV

A.D. SIGNALS.
..... CORPS.
TS 68/22
Date 15-9-17

Herewith blue print referred to in my Signal  
Instruction No.3. forwarded to you on 14/9/17.

*Amboled*

Lieut. Colonel, R.A.

A.D. SIGNALS, I ANZAC CORPS.

15/9/17.



Appendix No 24

SECRET.Appendix XXIV<sup>B</sup> Copy No. 23.First ANZAC Corps,  
15th Sept; 1917.Amendment No.1 to SIGNAL INSTRUCTIONS No.3,  
dated 13th September, 1917.

Paragraph 5. "PIGEONS" on page 4. -

Delete sub-para. 6 "There are also 5 stationary lofts  
at Watou, etc."

R. A. Powell

Distribution:-Copy No.

O.C. 1st Aust.Div.Sig.Co.	1.
O.C. 2nd Aust.Div.Sig.Co.	2.
O.C. 4th Aust.Div.Sig.Co.	3.
O.C. 5th Aust.Div.Sig.Co.	4.
O.C. 47th Div.Sig.Co.	5.
O.C. "K" Corps Sig. Co.	6.
O. i/c Signals, Corps H.A.	7.
Area Signal Officer	8.
A.D.Signals, V Corps.	9.
A.D.Signals, X Corps.	10.
D.D.Signals, Second Army.	11.
I Anzac "G". (8 copies)	12 to 19.
G.O.C. R.A.	20.
C.M.G.O.	21.
AQ.	22.
War Diary	23.

Lieut. Col., R.A.,  
A.D.SIGNALS, I A.M.Z.A.C.



14/9/17

War Diary

Appendix XXV

SECRET

First ANZAC Corps.

Copy No 162

STATION CODE CALLS.

U N I T		CODE	U N I T		CODE	
10	H. A. G.	...	CPC	233 S. B.	...	RCD
22	"	...	QWO	247 "	...	YIZ
24	"	...	JVK	248 "	...	TWZ
28	"	...	KSE	252 "	...	JVO
30	"	...	DHE	253 "	...	RCI
31	"	...	FRG	265 "	...	KST
35	"	...	YIR	275 "	...	AVU
53	"	...	GJI	278 "	...	GJB
57	"	...	AVA	287 "	...	DHZ
66	"	...	TWV	294 "	...	TWM
73	"	...	ZJY			
111	H. B.	...	RCB	329 S. B.	...	CBY
117	"	...	CBO	330 "	...	YIE
141	"	...	AVG	333 "	...	TWR
146	"	...	GJX	343 "	...	FRR
1/1 West Riding..		...	DHU	366 "	...	AVM
Highland H.B.	...	FRN				
1	S. B.	...	FRU	1st Anzac Corps H.A.	AVR	
23	"	...	TWH	1st Anzac Corps Wire-)		
29	"	...	QWD	less Directing Stn.)	FRB	
30	"	...	JVE	1st Anzac Corps...		
39	"	...	AVY	Mounted Troops H.Q.	KSI	
54 Aust. S. B.	...	KSV		13th L. H. Regiment	GJL	
73 S. B.	...	GJF		1st Anzac Cyclist Bn.	QWA	
74	"	KSP		3rd (Army) Aust. F.A.		
118	"	GJP		Brigade	...	KSA
120	"	QWI		Do. 7th Battery	TWA	
124	"	RCW		" 8th "	YIJ	
123	"	KSE		" 9th "	ZJS	
126	"	CBT		103rd How. Battery	RCE	
133	"	JVX		6th (Army) Aust. F.A.		
139	"	JVA		Brigade	...	AVJ
141	"	QWR		Do. 16th Battery	CBU	
143	"	CEI		" 17th "	DHI	
148	"	DMS		" 18th "	FRL	
166	"	YIR		106th How. Battery	GJU	
172	"	YIN		12th (Army) Aust. F.A.		
182	"	ZJF		Brigade	...	JVS
190	"	ZJV		Do. 45th Battery	KSY	
				" 46th "	QWL	
				" 47th "	TWD	
200 S. B.	...	FRX		112th How. Battery	YIU	
204	"	ZJN		4th R. M. A.	DHX	
229	"	QWY				
230	"	DHM				



14/9/17

Appendix ~~25~~ Appendix No. 26

## FIRST ANZAC CORPS HEAVY ARTILLERY LIST OF CODE NAMES.

14/9/17.

S. H. R. R. F.

CODE NAME	GROUP or BATTERY	CODE NAME	GROUP or BATTERY.
HAILSTONE	57 H. A. G.	HARTFORD	230 S. B.
HATEFUL	10 H. A. G.	HASSELL	329 "
HARLEQUIN	133 S. B.	HALBERD	117 H. B.
HARDLY	123 "	HALCYON	1/1 W. Rdg.
HAVELOCK	229 "	HALIBUT	22 H. A. G.
HAGAR	248 "	HANNIBAL	1 S. B.
HAHTON	111 H.B.	HANDON	118 "
HAMMER	330 S. B.	HASBEEN	30 "
HACKLE	30 H. A. G.	HAVERSTOCK	265 "
HARPENDEN	204 S. B.	HALMA	120 "
HATIF	253 "	<del>HASTE</del>	333 "
HARRIMAN	39 "	HALTER	247 "
HATFIELD	126 "	HAIR	66 H. A. G.
HANGER	4 R. M. A.	HAMLET	182 S. B.
HARTLEY	287 S. B.	HAMPER	233 "
HAUGHTY	31 H. A. G.	HATTON	275 "
HAGGARD	53 "	HANDFUL	143 "
HACKNEY	200 S. E.	HAVINT	148 "
HARSTON	278 "	HANDCOCK	343 "
HASPREY	252 "	HANDICRAFT	73 "
HAFT	54 (Aust.) Sge.	HANDSOME	35 H. A. G.
HARBOUR	141 W. B.	HAPLESS	139 S. B.
HATRED	29 S. B.	HARRINGAY	74 "
HABIT	24 H. A. G.	HADES	Highland H. B.
HAG	23 S. B.	HARVEST	146 H. B.
HAWORTH	172 "	<del>HARVEST</del>	146 H. B.
HAGGLE	190 "	HALE	73 H. A. G.
HANKOW	121 "	HARANGUE	141 S. B.
HAVE	1/2 366 S. B.	HARMONIC	294 "
HACK	28 H. A. G.	HARNESS	166 "



Appendix No. ~~26~~

27

SECRET.Appendix XXVII

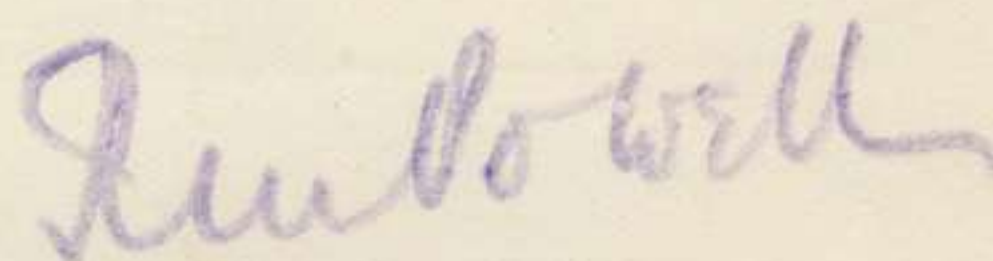
O.C. "K" Corps Signal Company.  
 Corps Wireless Officer.  
 O.C. 1st Aust. Div. Signal Co.  
 O.C. 2nd Aust. Div. Signal Co.  
 O.C. 4th Div. Signal Company.

War Diary

My F.P.T. -

From midnight 15th/16th September:-

54, 48, 13, 31, 6, 59, 42.



Lieut. Col., R.A.,

15th September.  
 1917.

A.D.SIGNALS, I A.S.Z.A.C.



*Appendix XXVIII* **Appendix No 28**  
A. D. SIGNALS.

1st ANZAC CORPS.

No. T.S. 83/12

Date 15-9-17

S E C R E T.

Supply of Pigeons.

A Box Car or Motor Cyclists will leave the lofts at Kruistraat Farm once daily at 5.30 a.m. to convey birds for Right and Left Divisions to BIRR CROSS ROADS.

The birds will arrive about 40 minutes later, and Divisions will be responsible that parties are there to unload them and take them over.

O.C's Divisional Right and Left Signal Companies will notify the Corps Pigeon Sergeant at Kruistraat Farm (EN.1) by 8 p.m. on the previous evening of the number of birds they wish sent up, and whether any additional equipment is required.

This service will commence on the morning of 19th September, 1917.

TO:-

O.C. 1st Aust. Div. Sig. Co.  
O.C. 2nd Aust. Div. Sig. Co.  
O.C. 4th Aust. Div. Sig. Co.  
O.C. 5th Aust. Div. Sig. Co.  
O.C. "K" Corps Signal Co.  
D.D. Signals, Second Army.  
I Anzac "G" (for information).  
War Diary.

*Am Powell*  
Lieut. Colonel, R.A.,  
A.D.SIGNALS, I A.N.Z.A.C.



**"C" Form (Original).**  
**MESSAGES AND SIGNALS.**

Army Form C. 2123.  
(In books of 50's in duplicate.)

Prefix <u>S</u>	Code <u>CKX</u>	Words <u>21</u>	Received From <u>AQA</u>	Sent, or sent out At <u>3 54</u> m.	Office Stamp <u>IX 17</u>
Charges to collect			By <u>Cur</u>	To <u>Appendix XVIII</u>	By <u>TELEGRAPHS</u>
Service Instructions.			Handed in at <u>AQA</u> Office <u>3 54</u> m. Received <u>4 0</u> pm.		

TO

AD Signals and

\*Sender's Number

T 135

Day of Month

14

In reply to Number

A A A

CW sets can be employed  
 are will wire when they  
 are required

*War Diary*

*Reply will be sent tomorrow morning*

FROM

OC Signals AQA

PLACE &amp; TIME

\* This line should be erased if not required.

Wt. 432-M437 500,000 Pads. H W V 5 16 Forms C.2123.



Appendix N<sup>o</sup> 29

"C" Form (Duplicate). Army Form C. 2123.

**MESSAGES AND SIGNALS.** No. of Message 298

<p><i>Sm 10/17 aya</i></p> <p>Service Instructions. <i>aya</i></p> <p>Charges to Pay <i>Charges</i></p> <p>£ s. d. <i>Appendix XXIX</i></p>	<p>Office Stamp. <i>(Circular Stamp)</i></p>
---	--

Handed in at *aya* Office *9:20* m. Received *9:27* m.

TO *AD Signals two*

Sender's Number	Day of Month	In reply to Number	A A A
<i>DSB 19</i>	<i>16</i>		

<i>2nd</i>	<i>LIEUT. WILSON</i>	<i>reported killed</i>
<i>this</i>	<i>evening</i>	

*DD Sep 1918 RP 398*

FROM	<i>Lieut aya</i>
PLACE & TIME	

W 15690—M 151 75,000 Pads. H & S 2/16 Forms/C.2123. (5658)



Appendix No 29A

1st ANZAC CORPSA.D. Signals,  
1st Anzac.  
-----

A.D. SIGNALS, <i>1st Anzac</i> CORPS.	
No.	T-152/44
Date	16. 9. 17

"K" ARMY CORPS SIGNAL COY., R.E.		HEADQUARTERS, A 1 ANZAC.
No.	K/96/3	No. 108/88
Headquarters, 15th September, 1917.		Date

Appendix 29A

It is notified for your information that Lieut.  
J.R.BISHOP R.E. "K" Corps Signal Company was transferred to  
England sick, from 7th General Hospital on 7/9/17.  
(Authority D.A.G. G.H.Q. List No 886 of 14/9/17)

*Kerthoff*Captain, D.A.A.G.  
1st Anzac.



"C" Form (Original).  
MESSAGES AND SIGNALS.

Army Form C. 2123.  
(In books of 50 each duplicate.)

Prefix <i>in 87</i>	Code <i>20</i>	Words	Received <i>20</i>	Sent, or sent out	Office Stamp
Charges to collect			From <i>Waiwae</i>	At <i>Waiwae</i>	
Service Instructions <i>Appendix</i>			By <i>Appendix</i>	To <i>Appendix</i>	
Handed in at <i>Appendix</i>			Office <i>Appendix</i>	m. Received <i>Appendix</i>	

TO *AD Signals 1st Anzdc*

\*Sender's Number *WN 890* Day of Month *17* In reply to Number *AAA*

*Lieut IRELAND F. E. W.*  
*evacuated wounded today*

FROM  
PLACE & TIME

*Signals 2nd Aust Div*

\* This line should be erased if not required.

Wt. 432 - M437 500,000 Pads. H W V 5 16 Forms C.2123.



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

(6334). Wt. W7496/M857. 500,000 Pads. 10/16. D. D. & L. (E 489). Forms C/2123/3.



Appendix No 31

Appendix XXXI  
SECRET.

O.C. "K" Corps Signal Company.  
Corps W/T Officer.  
War Diary.  
-----

A. D. SIGNALS,	
..... CORPS.	
No.	TS107/3
Date	.....

CORRECTION TOB. A. B. TRENCH CODE No. 3.

1. The following correction will be taken into use at midnight, September 18th/19th :-

Throughout the Second Army.

P = plus 100.

- 2.- ACKNOWLEDGE.

*A. W. Smith Capt RST*  
for Lieut. Colonel, R.A.

17/9/17.

A.D. SIGNALS, I ANZAC CORPS.



Army Form C. 2123

No. of Message

Charges to Pay.

£      s      d

Office Stamp.

### Service Instructions

Handed in at

Office

Received

TO

Sender's Number

Day of Month

In reply to Number

AAA

YDG closes G 28A8.1 and opens  
GODENAERVELDE at 10 am tomorrow  
add AD Sigs and  
AD Sigs BAR Sigs JW

Sheet 27 Q 18A

FROM

### PLACE & TIME



"A" Form.

# MESSAGES AND SIGNALS.

Army Form 0.2121  
(in pads of 100).  
No. of Message \_\_\_\_\_

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

TO { A.D Signals O.C Signals }

Sender's Number.	Day of Month.	In reply to Number.	AAA
* <u>JAT 47</u>	<u>17<sup>th</sup></u>		

AYA opened open at  
new position H 27 B at  
3pm today

From	Place	Time	(Z)
<u>Sign</u>	<u>AVO</u>	<u>3-30p</u>	

The above may be forwarded as now corrected.

Censor.

Signature of Addressor or person authorized to telegraph in his name.

\* This line should be erased if not required.

750,000. W 2186 - M569. H. W. & V., Ltd. 6/16.



Abbeuqix W. 33

37

AD. Signal

3



RCDIG1005911




Appendix No. 35

"C" Form (Original).  
MESSAGES AND SIGNALS.

Army Form C. 2123.

No. of Message 51

Prefix <u>La</u>	Code <u>19</u>	Words <u>T</u>	Received From <u>Bak 2</u>	Sent, or sent out At <u>9.5</u>	Office Stamp 
Charges to collect			By <u>Walker</u>	To <u>XXXV</u>	By <u>XXXV</u>
Service Instructions <u>Aye 6</u>			Handed in at <u>3 adds 9.0</u> Office <u>9.0</u> m. Received <u>9.0</u> m.		
TO <u>AS Signals AUO</u>					
*Sender's Number <u>HN 155</u>		Day of Month <u>18/9</u>		In reply to Number <u>AAA</u>	
<p>This Office closes noon reopens Reminghelst same hour aaa Addsd all concerned</p> <p style="text-align: right; font-size: 2em;">Ward</p>					
FROM		<u>Signals Aye 6</u>			
PLACE & TIME		<u>9.5 am</u>			

\* This line should be erased if not required.

W 15260—M 151 75,000 Pads. H & S 2/16 Forms/C.2123. (5083)



Appendix XXXVI

A.D. Signals,

I Anzac Corps.  
-----

A. D. SIGNALS,	
1st ANZAC CORPS.	
No.	T.S. 100/29
Date	18/9/17.

Reference Second Army G.955 -

The operators and gear for Contact aeroplane wireless have now been sent to each Corps and it is requested that these stations should be established as early as possible at units mentioned in para. 2 of above letter, so that a preliminary test can be carried out not later than the 19th inst.

Two R.F.C. Operators are required to man each station; any further operators that may have reported are reinforcements and can be utilized as thought fit. The R.F.C. personnel have been attached to Signals to operate these ground stations, because of the shortage of R.E. personnel.

Stores.

Special stores issued with stations consist of -

- 1 Mark III Tuner.
- 1 3-valve H.F. Amplifier.
- 2 4-ft Special folding masts.
- Aerial wire.
- Accumulators.
- H.T. Batteries.
- etc.

The R.F.C. personnel are fully conversant with the Mark III Tuner but have had little experience with Amplifier attachment. The attachment, however, is a very simple instrument and with a few hours' instruction they will be quite capable of manipulating the apparatus. The reason for using a 3-valve amplifier is so that it will be possible for the forward stations with Brigades to use four feet instead of 15 feet masts, which will be much easier to maintain. Experiments have been tried and loud signals can be received on these four feet masts, with a hundred feet span of aerial and fifteen feet lead-in, up to several miles.

Wave length.

The wave length to be used by aeroplanes will be  
140 metres.



Procedure.

A distinctive call will be used by aeroplanes of each Corps, which will be as follows:-

I ANZA Corps - Z P

X Corps - J P

IX Corps - B P

Operators will give preference to messages sent from aeroplanes using call of their own Corps, but all messages from aeroplanes using the above calls will be taken by operators as far as possible and handed to the Staff to which they are attached. Operators will not be responsible for de-coding. Messages will be handed to the Staff exactly as received.

A typical message from an aeroplane will be sent as follows:-

1. Corps Call, viz., "ZP" "JP" or "BP".
2. Succession of single letters, usually either "Q" or "R".
3. Map reference in clear, e.g., "B 6 a", no attempt being made to pin point the location by figures.
4. The groups "LN" or "SN".

In order to ensure reception, the aeroplane pilot or observer will repeat his Corps call three times before transmitting a message, and each message will be completely transmitted three times, for example -

"JP JP JP - Q Q Q Q Q B 6 a LN".

The above to be sent three times.

17-9-17.

(Sd.) A. HILDEBRAND, Colonel, R.E.,  
D.D.SIGNALS, SECOND ARMY.

O.C. Signals, 1st Aust. Div. (2)  
O.C. Signals, 2nd Aust. Div.  
O.C. Signals, 4th Aust. Div.  
O.C. Signals, 5th Aust. Div.  
Corps Wireless Officer. (2)  
O.C. "K" Corps Sig. Co.  
I Anzac G.S. (5)

*War Diary*

For your information. Corps Wireless Officer will arrange direct with O.C. 1st Aust. Div. Sig. Co. to get the three stations allotted to 1st Aust. Division established by the 18th inst., if possible, and in any case not later than the morning of the 19th inst.

Sept. 18th,  
1917.

Lieut. Colonel, R.A.,  
A.D.SIGNALS, I A.N.Z.A.C.



Appendix No 36A

U R G E N T.

Appendix 36A

A. D. SIGNALS,	
1 Anzac CORPS.	
No.	17.9.17

Chief Engineer,

I ANZAC.

Could something be done, please, to strengthen the Corps Signal dug-out at HOOGE (I.18.b.7.4) ? It is an old German dug-out with the entrance facing the wrong way, and it has already had direct hits on the entrance, with the result that the cables leading in are continually getting cut. Possibly a concrete wall might be put across the entrance.

My area Signal Officer has, I understand, already consulted 42 A.T. Company R.E. on the matter. Possibly that unit could therefore be authorized to do the work. May the matter be treated as urgent, please ? I will direct the Area Signal Officer (Lieut. Jackson) to meet an R.E. Officer at any place and time you appoint to point out the dug-out.

Lieut. Col., R.A.,

A.D.SIGNALS, I A.N.Z.A.C.

17th Sept.,  
1917.



Appendix No. 37

"C" Form (Original).  
MESSAGES AND SIGNALS.

Army Form C. 2123.

No. of Message: 466

Prefix <u>SLY</u>	Code <u>KC</u>	Words <u>38</u>	Received <u>BAR</u>	Sent, or sent out	Office Stamp.
Charges to collect			From <u>Can</u>	At	
Service Instructions.			By	To	
Handed in at <u>BAR</u>			Office	Received	

TO AD Signals 1st Anzac

*Sender's Number <u>CF 920</u>	Day of Month <u>18</u>	In reply to Number	<u>AAA</u>
-----------------------------------	---------------------------	--------------------	------------

LIEUT	A.	C.	BRANCH	will
return	to	Second	Army	Signal
Coy	as	soon	as	possible
aaa	addressed	AD	SIGNALS	1st
ANZAC	replied	OC	SECOND	ARMY
SIG	COY			
<i>Returned 19th Sept</i>				

FROM	<u>DD SIGNALS SECOND ARMY</u>
PLACE & TIME	

\* This line should be erased if not required.

W 15660—M 151 75,000 Pads. H &amp; S 2/16 Forms/C.2123. (5668)




Army Form C. 2123.

**"C" Form (Original).**

**MESSAGES AND SIGNALS.**

No. of Message 467

P	Code <u>20</u>	Words <u>20</u>	Received	Sent, or sent out	Office Stamp.
			From <u>AK</u>	At <u>10 17/2</u> m.	
			By <u>Age</u>	To <u>38</u>	
Charges to collect					
Service Instructions.					
Handed in at <u>AK</u>			Office <u>10 17/2</u> m.	Received <u>10 32/2</u> m.	
TO <u>AD Ligs 1st Angac</u>					
*Sender's Number		Day of Month		In reply to Number	
<u>07181</u>		<u>18</u>			
<u>3 operators of AT Cable</u> <u>Section reporting to you tomorrow</u>					
<u>Capt. Smith</u>					
<u>These men have arrived</u> <u>and are going up to HOOBE</u> <u>in the ration lorry.</u>					
<u>C. H. Walsh Capt.</u> <u>O. C. "K" CORPS SIG. COY. R. E.</u>					
<u>19/19</u>					
FROM		<u>Signals Second Army</u>			
PLACE & TIME					



Appendix 39

War Diary

1st ANZAC CORPS.

A. D. SIGNALS,

1.9.17/7

Date 19/9/17.

O.C. 1st Aust. Div. Signal Company.  
O.C. 2nd Aust. Div. Signal Company.  
O.C. "K" Corps Signal Company.  
O. 1/c Signals, Corps Heavy Artillery.

-----  
G.O.C., R.A.)  
I Anzac G.S.) for information.  
-----

The undermentioned circuits on divisional buried routes to cable heads have been allotted to Corps as follows: (map issued with Signal Instructions No. 4 of 17th September, refers).

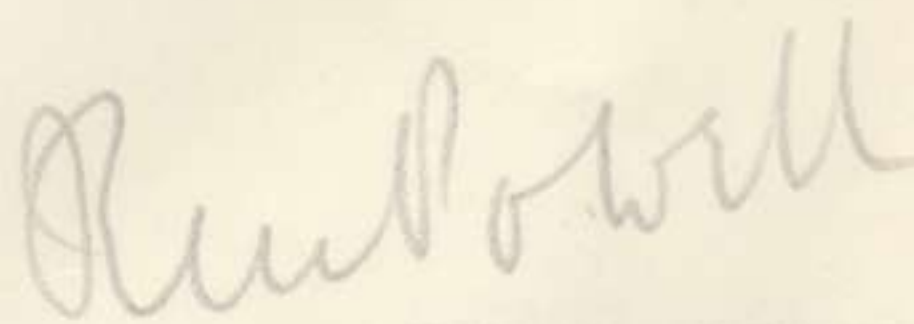
At G W - On CJ - GW route ... pairs 8 to 24 inclusive.  
At W K - On ID - WK route ... pairs 18 to 22 "  
At J T - On WK - JT route ... pairs 18 to 19 "

Of the above the following preliminary allotment to Corps Heavy Artillery for P.O.O. use is made :-

At G.W - On CJ - GW route ... pairs 8 to 18 inclusive.  
At W K - On ID - WK route ... pairs 18 to 19 "  
At J T - On WK - JT route ... pairs 18 to 19 "

WK - JT 18-19 will be joined through at WK by Division to ID - WK 19-22 respectively.

Above in confirmation of telegrams.



Lieut. Colonel, R.A.,

19th September,  
1917.

A.D.SIGNALS, I ANZAC CORPS.



750,000. W 2186—M509. H. W. & V., Ltd. 6/16.



Appendix

Warrior Pioneer Report, September 1917

Table with 5 columns and 10 rows of handwritten data.

A.D. Signals

15 22 4

Appendix No 70



Carrier Pigeon Report. September 19th 1917.

L O F T.	No of Birds.	Date of return.	Tactical Messages.	Practice Messages.	Without clips.	R E M A R K S.
57 Horse Drawn to 2nd Aust. Divn.	60.	4 on the 20th 54 " " 21st	3.	13.	39.	1 Bird missing. 2 Birds killed.
24 Horse Drawn to 2nd Aust. Divn.	0	-	-	-	-	-
58 Horse Drawn to 1st Aust Divn.	14	8 on the 20th 6 " " 21st	5*	0	8	* 6 Birds returned 2 carried the same message.
25 R. Stationary to 1st Aust. Divn.	86	51 on the 20th 32 " " 21st	17	20	46	3 Birds missing 1 Bird killed during flight 2 Birds killed in loft by bomb.

2/10/17.

Lieut. Colonel, R.A.

A.D. SIGNALS, I ANZAC CORPS.



3

Carrier Pigeon Report. September 20th 1917.

L O F T.	No of Birds.	Date of return.	Tactical Messages.	Practice Messages.	Without clips.	R E M A R K S.
24 Horse Drawn to 2nd Aust. Divn.	60	30 on the 21st 25 " " 22nd 3 " " 23rd	3 * 0 0	45	8	* 5 Birds returned with 3 messages 1 Bird killed in trenches 1 Bird missing.
58 Horse Drawn to 1st Aust. Divn.	60	39 on the 21st 18 " " 22nd 1 " " 23rd	2 * 0 0	13 16 1	25	* 3 Birds arrived 2 with the same message. 2 Birds missing.

2/10/17.

Lieut. Colonel, R.A.

A.D. SIGNALS, I ANZAC CORPS.

Appendix No 41



Appendix XLII

A. D. SIGNALS.

1st ANZAC CORPS.

No. T.184/6.

Date 27-9-17.

D.D. Signals, Second Army.

I Anzac G.S. (for information).  
War Diary.

I forward the following report shewing the work done by Wireless, Power Buzzers and Amplifiers during offensive operations on 20th September.

WIRELESS.

Corps Wireless Directing Station was established at H.22.c.5.9 (Sheet 28) near EN.1, and connected by 'phone to that exchange. Both Divisions and Corps had direct lines to the same exchange besides which the Corps Directing Station was within short runner distance of both Adv. Div. H.Q.

The Corps Advance Directing Station was situated at the Ramparts, I.14.b.1.8., also connected by 'phone direct to EN.1. exchange.

Trench Wireless Sets were established at Brigade and Reserve Brigade H.Q. in each Divisional area, viz:-

Left Div.	5th and 7th Bde. H.Q.	I.12.c.3.5.
	Reserve Bde. H.Q.	I.17.b.2.8.
Right Div.	2nd and 3rd Bde. H.Q.	I.18.b.2.6.
	Reserve Bde. H.Q.	I.17.c.4.8.

These sets were all in communication with Corps Directing and Adv. Directing Stations, but several delays in transmission of messages occurred due both to the aerials being blown down occasionally and inexperience on the part of Divisional operators in reading through excessive jamming. This latter is a fault that only continued experience in the line can remedy. Conditions in the back areas where training has been carried out are totally different as regards wireless jamming to the forward areas.

Practically no real use of wireless was made during operations; the total number of messages handled being an average of eight per day, and none of these of great importance. This was due to lines holding out.

AMPLIFIERS AND POWER BUZZERS.

A chain of P.B. and Amplifier communications was carried forward in each Divisional area from the wireless station at Brigade H.Q. to each Adv. Brigade H.Q., and at the latter points Mobile Amplifiers and P.B.'s. were kept packed up in readiness to move forward to Brigade Forward Stations on positions being won. The positions of each P.B. and Amplifier Station are shewn on the accompanying map diagram; those shewn in black being in operation previous to zero.

/Good...



Good communication was obtained in both directions between each station as shewn in the diagram, though jamming from local circuits, particularly artillery, was very considerable. No break occurred in the whole system of P.B. and Amplifier communication at any time, but very little use was made of the system previous to zero, though about a week previously each Amplifier and P.B. station was in almost constant use, constituting almost the only means of forward communication.

#### ACCUMULATOR CHARGING ARRANGEMENTS.

Charging Stations were established at Birr X Roads, Halfway House, Ypres Ramparts, and Stone Siding Reninghelst, and no strain was experienced on any of them in spite of the shortage of accumulators which we have been up against for some time. The provision of the two forward charging stations undoubtedly was a great advantage as the batteries were subject to less knocking about than would otherwise have been the case; a smaller carrying party was required, and the return of batteries to the forward stations was much quicker. The circuits were provided from the electric lighting sets installed.

#### CONDITIONS DURING THE BATTLE.

The mobile combined amplifiers and power buzzers held in readiness at Adv. Brigade H.Q. moved forward with the 'A' detachments of Brigade Forward Parties, one mobile station with each party as shewn in blue on the accompanying diagram. Communications were established immediately on reaching the respective positions, and no break in communication or failure in any way was reported in respect of these stations. Owing to the lines holding well, however, very little use was made of the amplifier stations in left Divisional area, but in the Right Division the P.B. and Amplifier station did a very considerable amount of traffic from immediately after the final objective was taken and through the same day. It is safe to say that each of the stations were at all times in good communication, and if the necessity had arisen would have been capable of doing all that was required of them.

The little use made of wireless and amplifier during these operations precludes any definite conclusions as to the value of the scheme arranged. The general principle adopted was to establish a chain of P.B. and wireless communication from as near the front line as possible to advanced Divisional H.Q. with relay stations coinciding with the H.Q. of intermediate formations. Trench Wireless Sets were only established as far forward as it was considered they could be easily maintained, and this necessitated a longer chain of P.B. and amplifiers.

This is the first time that this Corps has carried out operations since the new Divisional Wireless Organization came into force. There is no doubt that the work of each forward wireless and amplifier station, both in operating, expeditious despatch of messages, and overcoming technical difficulties has been far below the standard attained when all stations were under the control of and manned by the Corps Wireless Section. Possibly the new system will run more efficiently when divisional wireless officers have had more experience and the personnel more training.

/One...



One of the chief difficulties of the new organization is the relief of wireless and amplifier stations on Divisions being changed. The W/T equipment is heavy and the accumulators get left behind under various pretexts, and great trouble is experienced in recovering them. Four Divisional reliefs have taken place since this Corps took over the area, and in each case various equipment, accumulators particularly, have been left behind. Divisions like to use their own equipment, and it is very difficult to get equipment changed over without loss.

Again, amplifier communications depend to a very great extent on local conditions, and these conditions are unknown to relieving wireless officers and take some time to understand and become adapted to.

I shall be able to report on the new organization better after the next operations, but at present am very doubtful if it is any improvement of the old system of Corps control.

Casualties to W/T and Amplifier apparatus have been light: only one amplifier complete, two power buzzers, and about 14 accumulators have been destroyed by shell fire.

*R. G. Sobell*

Lieut. Colonel, R.A.,

A.D.SIGNALS, I ANZAC CORPS.

September 27th,

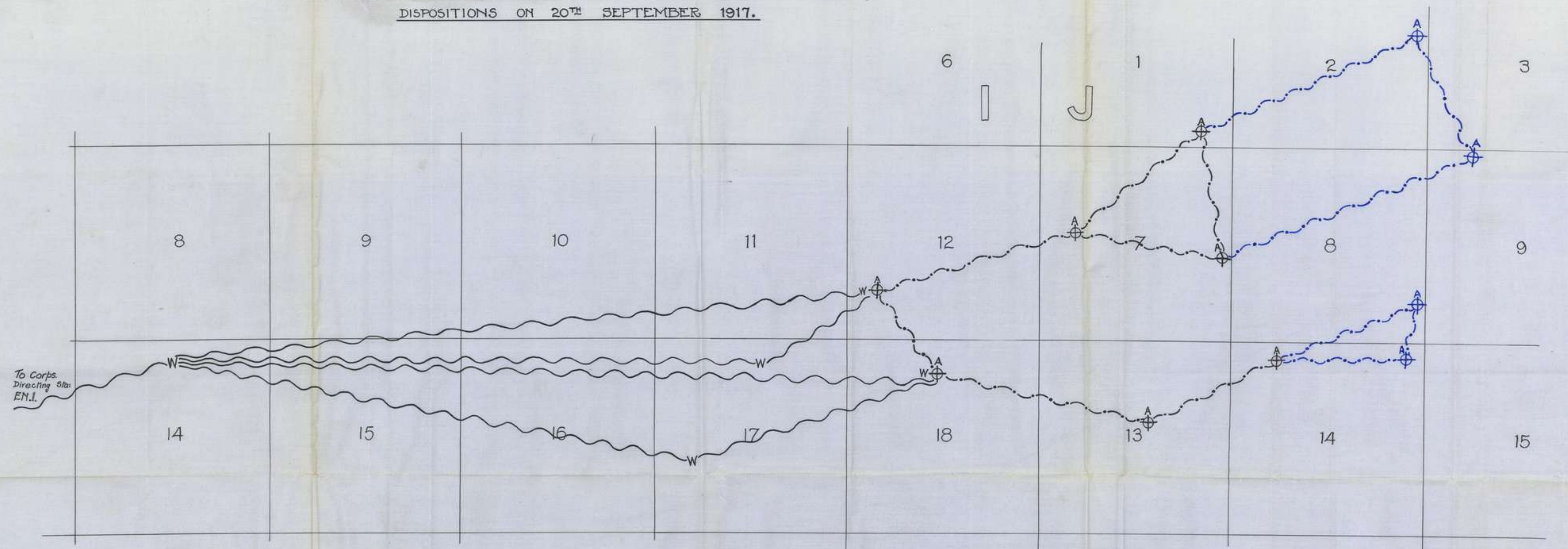
1917.



# I ANZAC CORPS :

DIAGRAM SHOWING WIRELESS, POWER-BUZZER AND AMPLIFIER.

DISPOSITIONS ON 20<sup>TH</sup> SEPTEMBER 1917.



SCALE 1/10,000.

BLACK = Communications established previous to operations.  
BLUE = Communications established during operations.

SHEET 28 BELGIUM.



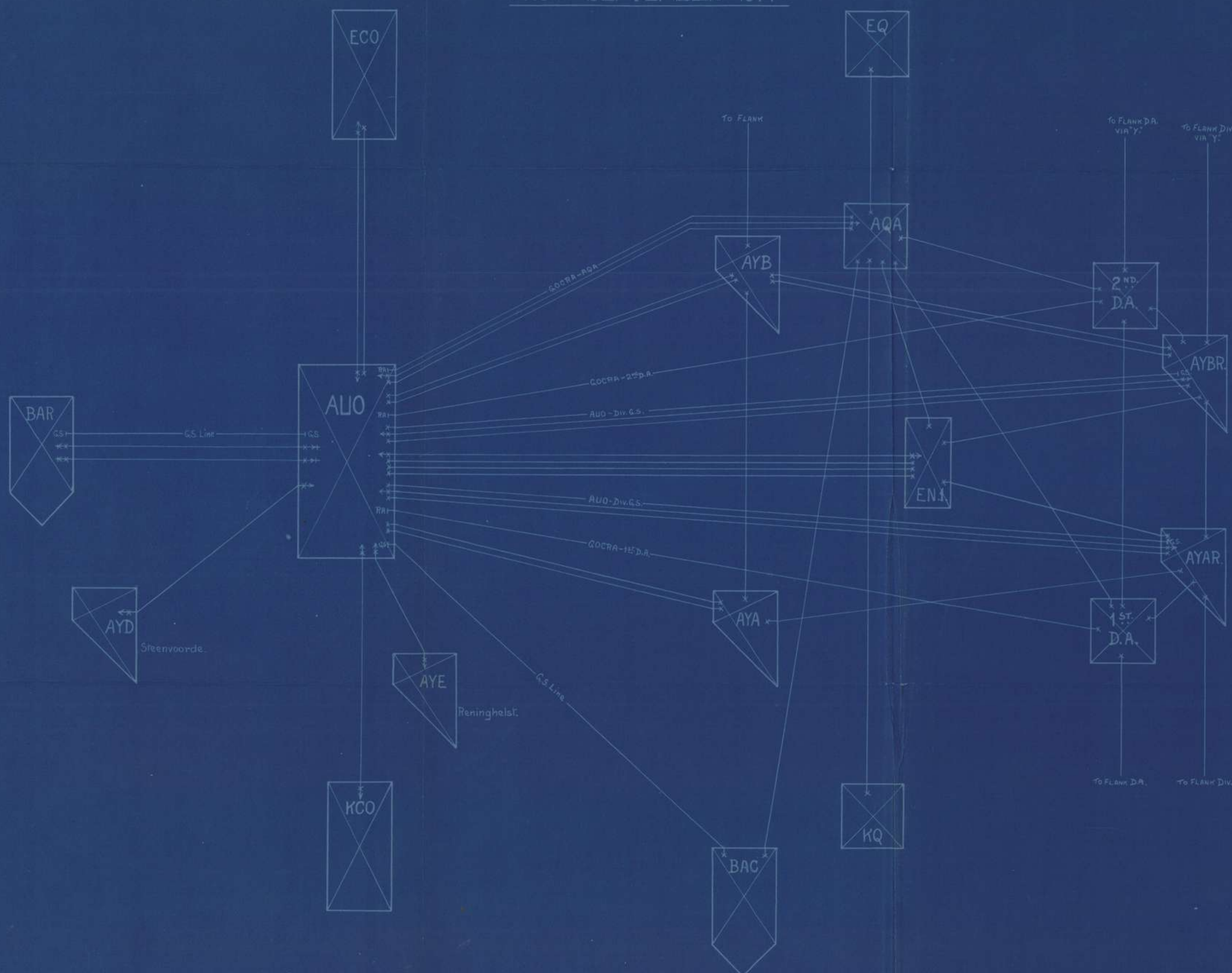




# II ANZAC CORPS :

: TACTICAL LINE COMMUNICATIONS :

: 20<sup>TH</sup> SEPTEMBER 1917 :





1<sup>st</sup> ANZAC CORPS  
Signal Communications  
20 Sep<sup>r</sup> 1917.

Appendix 43  
Appendix No. 43

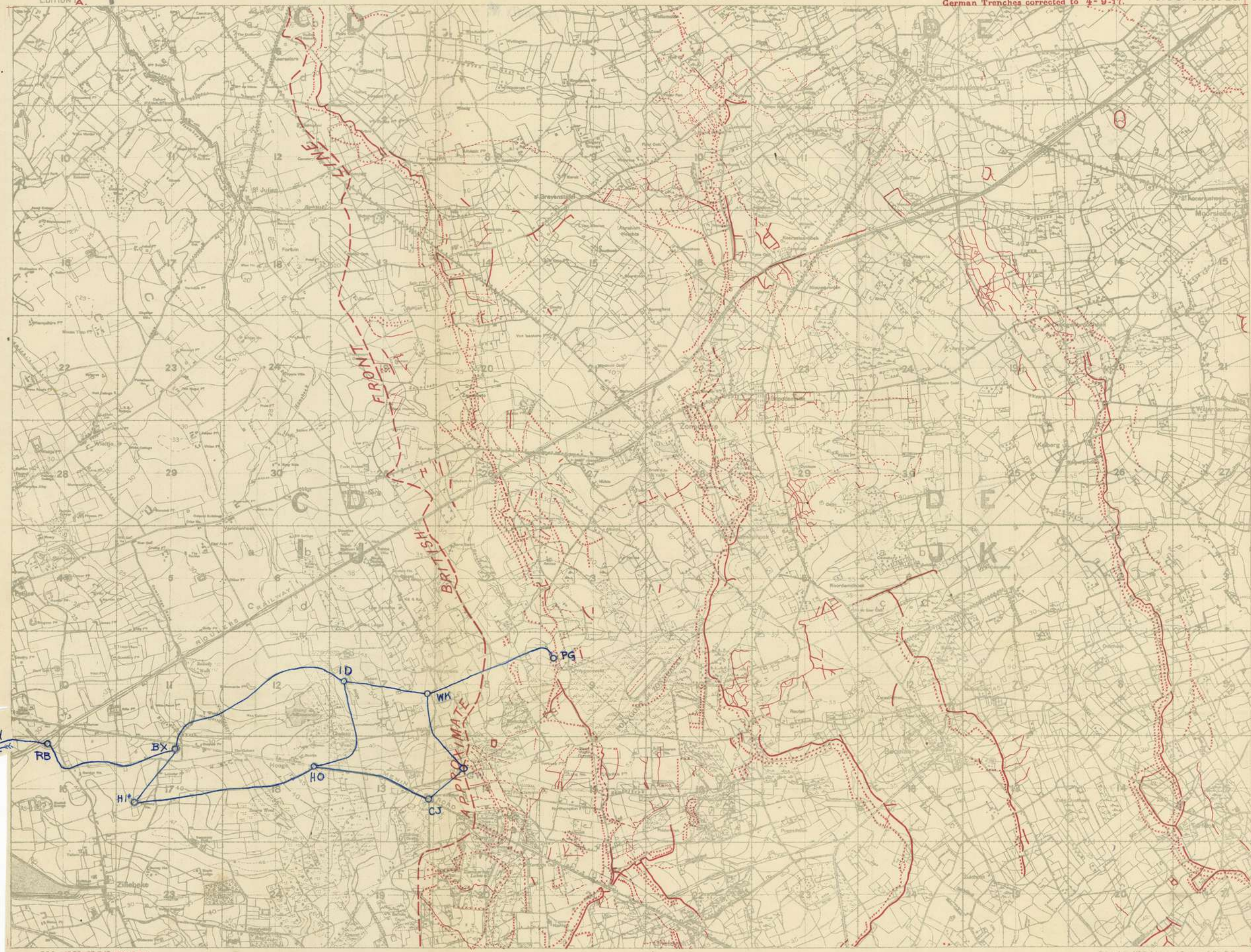


EDITION A

# POLYGON WOOD

German Trenches corrected to 4-9-17.

Part of Sheet 28.



Toy

ESCo 1026 5-9-17

Yards 1000 2000 3000 4000 5000

Scale 1:20,000

Printed by N.P. Auckland Section, A. P. 5. S.



Appendix 44