

AWM4

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

Signals

Item number: 22/1/13 Part 2

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

May 1917 Appendices



AWM4-22/1/13PART2

120

"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.	Date
			At.....m.		Appendix 1	From
			To			
			By		(Signature of "Franking Officer.")	By
TO { Corps Wireless Office 14 HAG						
Sender's Number.		Day of Month.		In reply to Number.		AAA
* RP 656		1st.				
Issue to 14 HAG						
forthwith 2 CW Sets AAA						
2 operators from 5 Army						
Wireless to accompany these						
Sets AAA addressed Corps						
Wireless Office repeated						
14 HAG						
From						
Place						
Time						
The above may be forwarded as now corrected.						
(Z)						
Censor.						
Signature of Addressee or person authorised to telegraph in his name.						
* This line should be erased if not required.						
750,000. W 2186-M509. H. W. & V., Ltd. 6/16.						

SECRET.

Copy No.

First ANZAC Corps,

14th April, 1917.

FIRST ANZAC CORPS ORDER NO. 126.

1. The attack on the HINDENBURG line will be renewed on a date and at an hour to be communicated later, unless the enemy withdraw previously on account of the attack of Third Army.

2. (i) The 2nd Australian Division and 62nd Division are to carry out the attacks on the fronts allotted to the First ANZAC Corps and V Corps respectively.

(ii) The 62nd Division has been ordered to take over that part of the front of the First ANZAC Corps from the present boundary to as far east as U.28.c.25.

(iii) The boundary between the attacking divisions will be U.28.c.25 - U.28.a.66 - thence to the cross-roads (exclusive to 2nd Australian Division) at U.22.c.98.20 - thence along the sunken road (exclusive to 2nd Australian Division) to U.22.b.8.5 - U.17.central - U.12.c.0.0 - U.12.c.6.6.

3. (i) The objectives of the 2nd Australian Division will be as shown on the attached map.

(ii) The advance from the 1st to 2nd objective will begin at zero plus 1½ hours, and from 2nd to 3rd objective at zero plus 2½ hours.

(iii) 62nd Division is responsible for the capture of BULLECOURT, and is to attack it simultaneously with the attacks on the HINDENBURG line to the east and west of it. The objectives of this division are as shown on attached map. Advances of 62nd Division are to be concurrent with those of 2nd Australian Division.

(iv) 2nd Australian Division will detail special parties to get into touch with the 62nd Division along all trenches running from the east into BULLECOURT and the trench system to the north of it, after the first objective has been captured.

(v) The 2nd objective is practically only a starting point for the capture of RIENCOURT.

The third objective will form three phases -

(a) the capture of the outskirts of RIENCOURT and the trench system in U.23.b and U.17.3,

(b) completion of the capture of RIENCOURT,

(c) The establishment of poste in U.13.a and c to connect RIENCOURT with the 62nd Division in HENDECOURT.

In all three phases the protection of the right flank and its junction backwards will require especial care.

(vi) The 4th objective is shown on the map as an indication of future plans. Its occupation will be dependent on the circumstances attending the occupation of the 3rd objective and troops will be held ready accordingly.

4. (i) For the purpose of co-ordination, the heavy artillery and field artillery are placed under the orders of the G.O.C. R.A., who, in consultation with the G.O.C. 2nd Australian Division will prepare the artillery plans and instructions.

(ii) The 2nd Australian Division will, by arrangement with the 62nd Division, send three medium trench mortar batteries and ammu-

/tion into

~~FIRST ANZAC CORPS ORDER No. 126 (Dated 14th April 1917)~~

DISTRIBUTION

Copy No.

To

1-2	Fifth Army
3	5th Brigade, R.F.C.
4	XV Corps
5	V Corps
6-7	1st Australian Division
8-9	2nd Australian Division
10	4th Australian Division
11-12	5th Australian Division
13	B.I.G., H. A.
14	First ANZAC Corps Mounted Troops
15	No. 3 Squadron R.F.C.
16	"Q" A. A. Battery
17	G. O. C.
18	"A"
19	"Q"
20	"Ig"
21	G.O.C. R.A.
22	C. E.
23	A. D. Signals
24	D.D.M.S.
25	Corps M. G. Officer
26	First ANZAC Corps
27	O. O. File
28	Corr. File
29	War Diary
30 - 37	Retained

FIRST ANZAC CORPS ORDER NO. 126. (14th April, 1917) Page 2.

tion into BULLECOURT to aid in the defence of the village or of other strong points. These batteries will not advance until the strong point for which each is intended has been established.

5. (i) Special precautions will be taken by the G.O.C. 2nd Australian Division to meet counter-attack down the various trenches leading to the right flank of the 1st, 2nd, and 3rd objectives; a large initial supply of trench mortar, rifle and MILLS bombs and provision for their continuous replacement, is essential.

(ii) Two light trench mortar batteries from 5th Australian Division are attached to 2nd Australian Division for this purpose, and will be transferred accordingly by direct arrangement between the two divisions.

(iii) Simultaneous with or as soon as practicable after the taking of the 1st objective, posts will be established to link our present line about C.6.0 up to the right of the 1st objective.

(iv) The organisation of routes and communications to the captured trenches will be taken in hand as early as possible. This will include removal of portions of enemy wire.

6. The corps machine gun officer and two machine gun companies of the 5th Australian Division are attached to the 2nd Australian Division for the purposes of aiding flank protection in this operation. The two machine gun companies will be transferred under direct arrangements between the two divisions.

Arrangements will be made for a heavy machine gun fire for at least six hours for the protection of the right flank.

7. Corps reserve - the 5th Australian Division will be in corps reserve. One brigade will be assembled ready to move upon receipt of orders to the area about BEUGNATRE, where on arrival it will come under the orders of the G.O.C. 2nd Australian Division.

8. (i) The G.O.C. R.A., First ANZAC Corps, will arrange direct with the O. C. No. 3 Squadron R.F.C. for the necessary aeroplanes for counter-battery duty, to which special attention will be paid.

(ii) No. 3 Squadron R.F.C. will maintain close touch with the G.O.C. 2nd Australian Division, and will be responsible for contact patrol work on the front of the attack.

(iii) The front line of infantry will mark their positions to contact patrols by lighting red flares at -

- (a) Zero plus one hour;
- (b) Zero plus two hours;
- (c) Zero plus three hours;

and at other times when called for by aeroplane by KLAXON horn or VERY light.

9. The A. D. Signals will arrange for watches to be synchronised at 12.15 p.m. and 5.15 p.m. on "Y" day between corps headquarters and the following -

2nd Australian Divisional Signals
V Corps Signal Company:
First ANZAC Heavy Artillery Signal Company:
G.O.C. R.A., First ANZAC Corps:
General Staff, Advanced First ANZAC:
No. 3 Squadron R.F.C.

10. ACKNOWLEDGE.

R.H. Osborne Capt

for Brigadier-General,
General Staff,
First ANZAC Corps.

126
Secret

Appendix No. 2.

80

O.C. 5 Army Signals.

Understood that
you will send Time Signal
to AURE at noon and
at 5 pm on 2nd April.
Please confirm -

R. S. Powell

1/5/17

LIEUT. COL. R.A.
A.D. SIGNALS,
1 ANZAC CORPS

A.D. Signals 1st Anzac Corps

12 noon - 4 pm - 7 pm are
the times in operative orders.

J. R. S. Powell
may be
O.C. Signals 5th Army

1.5.17

File)

150

(150)

290

2 ground

1st division

for all time

1st division

on 2 from

1st division

1st division

1st division

1/2/1

1st division

1st division

1st division

1st division

1st division

1st division

1st division

CORPS

No. T.1116

Date

I Anzac "G" (advanced).
A.D. Signals, V Corps.
Signals, 11th Division.
D.D. Signals, Fifth Army.
War Diary.

Appendix 3

Direct telegraph and telephone working has been established between Advanced I Anzac Corps and 2nd Australian Division Report Centre.

Telegrams intended for transmission to the latter direct should be addressed "Advanced 2nd Australian Division".

A direct telephone circuit from Corps Advanced Exchange to Advanced 2nd Australian Division General Staff has also been established.

2nd May.

1917.

R. B. B. B.

Lieut. Col. R.A.,

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

125

"A" Form.
MESSAGES AND SIGNALS.

Army Form C.2121
(in pads of 100).
No. of Message 98

Prefix	Code	m.	Words	Charge	This message is on a/c of:	Recd. at	m.
Office of Origin and Service Instructions.			Sent			Service.	Date
			At 1-17/2	m.	Appendix 4	From	4
			To			By	
			By	(Signature of "Franking Officer.")		By	

TO { A D Lips 5 Corps

Sender's Number.	Day of Month.	In reply to Number.	AAA
* RP 665	3		

62nd Div appear to be still circulating traffic for AYB through Corps though direct horse working from them to AYB has been established AAA Can you adjust

From A D Lips

Place A D Lips

Time A D Lips

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.

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

126

"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.....m.		Appendix 5	From.....
			To.....			By.....
			By.....	(Signature of "Franking Officer.")		
TO { Fifth Aust Div Second Aust Div						
Sender's Number.		Day of Month.		In reply to Number.		AAA
* aa 723		3 May				
Send	one	bde	section	officer		
		aust				
of	fifth	div.	sig	coy		
to	report	to	OC	second		
aust						
div	sig	coy	soon	as		
possible	for	temporary duty	addressed	fifth		
aust	div	rptd	second	aust		
div						
				AD Signals Toda Yaman		
From	1st auzal					
Place						
Time	1455					
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.						
100,000 Pads. W.12093. M1217. M.C. & Co., Ltd. 1/17. (E. 764). Forms C/2121/11.						

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"A" Form. MESSAGES AND SIGNALS.				Army Form C.2121 (in pads of 100). No. of Message 182	
Prefix	Code	Words	Charge	This message is on a/c of:	Recd. at.....m.
Office of Origin and Service Instructions.		Sent			Date
		At 8:12/10 m.		Service.	From 6
		To		(Signature of "Franking Officer.")	By
		By			
TO { LIES AYBR					
Sender's Number. * RP 668		Day of Month. 3	In reply to Number.		AAA
<p>Understand your office refused to accept person messages today by telephone for transmission by telegraph all offices that please issue instructions that such messages are accepted at once when offered and telegraphed in Priority</p>					
From		A.D. Liss Auke			
Place					
Time					
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.					
750,000. W 2186-M509. H. W. & V., Ltd. 6/16.					

126

Handwritten list on a lined page, likely a ledger or record book. The page is numbered 126 in the top left corner. The list contains several entries, some of which are partially obscured by a large, faint, circular watermark or stamp in the center of the page. The entries are written in cursive and include names and dates. A large handwritten number '6' is visible in the bottom right corner of the page.

Name	Date
John Smith	1914
James Brown	1915
William Jones	1916
Robert White	1917
Thomas Green	1918
Charles Black	1919
Edward Grey	1920
George Baker	1921
Frank Miller	1922
Henry Wilson	1923
Arthur Moore	1924
Samuel Taylor	1925
Benjamin Hall	1926
Joseph King	1927
Samuel Lee	1928
John Davis	1929
Robert Evans	1930
Thomas Walker	1931
Charles Young	1932
Edward Scott	1933
George Adams	1934
Frank Nelson	1935
Henry Hill	1936
Arthur Clark	1937
Samuel Lewis	1938
Benjamin Hall	1939
Joseph King	1940
Samuel Lee	1941
John Davis	1942
Robert Evans	1943
Thomas Walker	1944
Charles Young	1945
Edward Scott	1946
George Adams	1947
Frank Nelson	1948
Henry Hill	1949
Arthur Clark	1950
Samuel Lewis	1951
Benjamin Hall	1952
Joseph King	1953
Samuel Lee	1954
John Davis	1955
Robert Evans	1956
Thomas Walker	1957
Charles Young	1958
Edward Scott	1959
George Adams	1960
Frank Nelson	1961
Henry Hill	1962
Arthur Clark	1963
Samuel Lewis	1964
Benjamin Hall	1965
Joseph King	1966
Samuel Lee	1967
John Davis	1968
Robert Evans	1969
Thomas Walker	1970
Charles Young	1971
Edward Scott	1972
George Adams	1973
Frank Nelson	1974
Henry Hill	1975
Arthur Clark	1976
Samuel Lewis	1977
Benjamin Hall	1978
Joseph King	1979
Samuel Lee	1980
John Davis	1981
Robert Evans	1982
Thomas Walker	1983
Charles Young	1984
Edward Scott	1985
George Adams	1986
Frank Nelson	1987
Henry Hill	1988
Arthur Clark	1989
Samuel Lewis	1990
Benjamin Hall	1991
Joseph King	1992
Samuel Lee	1993
John Davis	1994
Robert Evans	1995
Thomas Walker	1996
Charles Young	1997
Edward Scott	1998
George Adams	1999
Frank Nelson	2000

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"A" Form.
MESSAGES AND SIGNALS.

Army Form 0211
(in pads of 100).
No. of Message 189

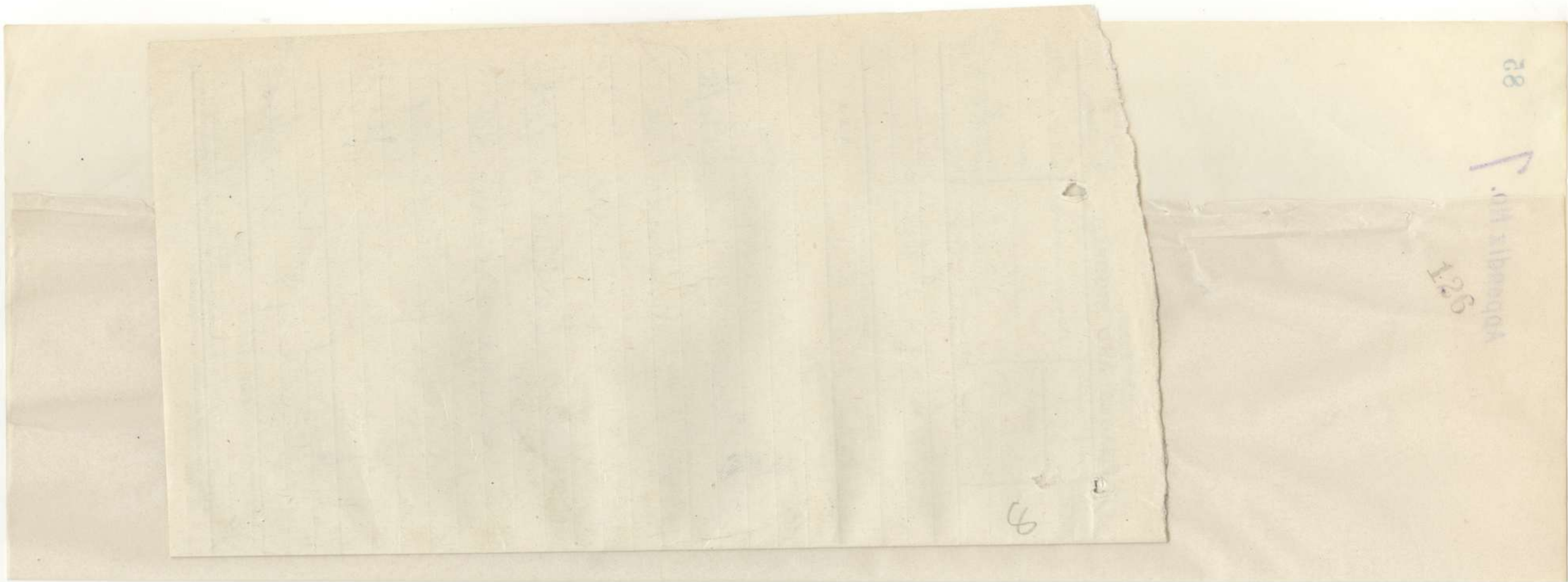
Prefix	Code	m.	Words	Charge	This message is on a/c of:	Recd. at	m.
Office of Origin and Service Instructions.			Sent			Service.	Date
			At 8.19.10 m.		Appendix 7	From	
			To			By	
			By			(Signature of "Franking Officer.")	

TO { A D Lys 5 Corps

Sender's Number.	Day of Month.	In reply to Number.	AAA
* RP 669	3		

62 Dco how sending
286 word message through
Corps Offices AAA this is
choking our Dco line
completely AAA could you
arrange such messages to
go on direct ^{Dco} ect on by
Dco

From	Place	Time	Signature of Addresser or person authorised to telegraph in his name.
Hyatt	AD Lys	AD Lys	(Z) R. H. M. M.
The above may be forwarded as now corrected.			Censor.



"A" Form.
MESSAGES AND SIGNALS.

Army Form C.212.
(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.
			At.....m.		Appendix 8 (Signature of "Franking Officer.")	From.....
			To.....			By.....
			By.....			

TO {

O.C. G.Q. Section

Sender's Number.	Day of Month.	In reply to Number.	AAA
*RP 671	3		

Cowley Cpls Kervv and Cole
my appreciation gallant
and efficient manner in
which they carried out difficult
task allotted them today
AAA ~~Strickland~~ Strickland also
did his work very well

From	ad signals
Place	ank
Time	

The above may be forwarded as now corrected.

(Z)

Censor.	Signature of Addressor or person authorised to telegraph in his name.
	R. M. Howell

* This line should be erased if not required.

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

9 n

126

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SECRET.

War Diary.

Appendix 9

A. D. SIGNALS,
ANZAC CORPS.
T. 1117
3/5/17.

Notified for information that the Code Name
of the 5th Army Wireless Company is "WAVE".

3rd May,

1917.

R. S. Sowell

Lieut. Col. R.A.,

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

To:-
1st, 2nd, 4th, 5th, Aust. Div. Sigs.
11th Div. Signals.
"A" Wireless Section.
Signals, Corps Heavy Artillery.
I Anzac Corps "G".
5th Army Wireless Co. (for information).
War Diary.

... (information) ...
... ..
... ..
... ..
... ..
... ..

... ..

... ..

... ..

... ..

... ..

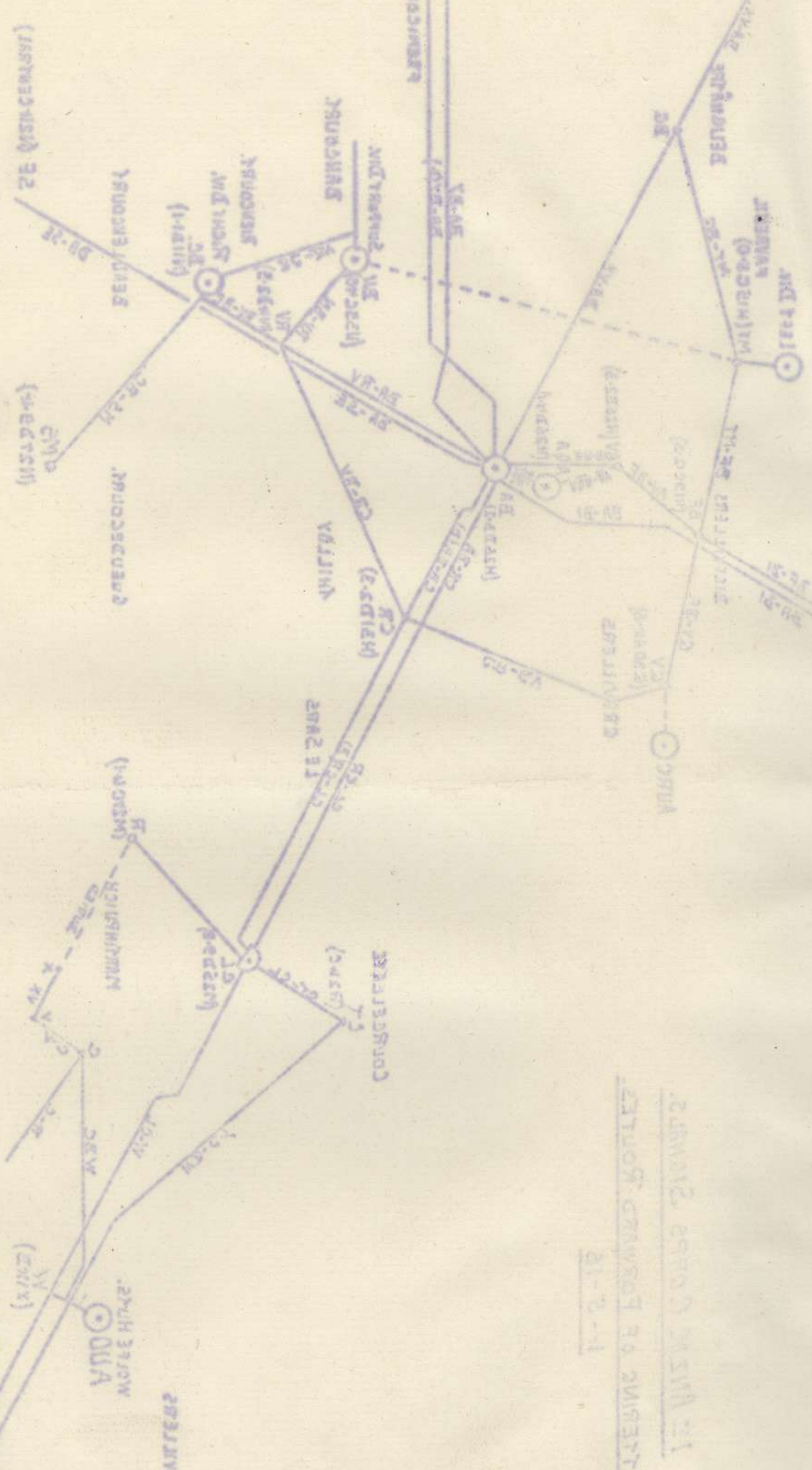
... ..

...
...
...

... ..

1-2-12
1-2-12

1-2-12



1-2-12
1-2-12

1-2-12

1-2-12

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"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:
Office of Origin and Service Instructions.			Sent		
			At	m.	Service.
			To		Date
			By	(Signature of "Franking Officer.")	From
					By
TO {		SIGS AYBR			
		Corps Wireless Officer			
Sender's Number.		Day of Month.		In reply to Number.	
* RP 673		6		AAA	
<p>Attention is drawn to para 3 Section 1 "Notes on Wireless" (SS 141) Issued by General Staff G H Q February 1917 AAA Wireless Personnel may be used to encipher or decipher messages but future responsibility as to how message is sent rests with the Commander of the unit or formation to whom the wireless set is allotted AAA addressed SIGS AYBR repeated Corps Wireless Officer</p>					
From		A D Lys Aure			
Place					
Time					
The above may be forwarded as now corrected.				(Z) Rudo well	
Censor.				Signature of Addressor or person authorised to telegraph in his name.	
* This line should be erased if not required.					
750,000. W 2186-M509. H. W. & V., Ltd. 6/18.					

"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
Office of Origin and Service Instructions.			Sent			Service.
			At	m.	Appendix 12 (Signature of "Franking Officer.")	From
			To			By
			By			

TO { Corps Wireless Officer

Sender's Number. * RP 674	Day of Month. 6	In reply to Number.	AAA
------------------------------	--------------------	---------------------	-----

Ruling is given that
Single Word Messages can
be enciphered until
notification to contrary is
received AAA matter
lately referred to G H Q
for decision

From
Place
Time

Ad Signals and

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.

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

"K"
ARMY CORPS
SIGNAL COY., R.E.
No. 1187
Date 7/5/17

126

Appendix No. 13.

A. D. SIGNALS, 91
ANZAC CORPS.
No. T. 1106.
Date 6/5/17.

O.C. K Signal Co A

Appendix 13
Empty cable drums

Especially D 5 and Reels

Cable No 1 are unfrustrated.

There are several of these still
lying about the country -

Please issue instructions to
all ranks that if they find
any empty drums whilst out
for work or recreation, they should
bring them in, or report position
on return so that they may
be collected

R. Powell

6/5/17

LIEUT. COL. R.A.
A.D. SIGNALS,
1 ANZAC CORPS.

P.T.O.

91(a)

Appendix No. 13

A.D. Slip

anyac

This has been inserted in order today

7/5/17

P. Boyle. CAPT.

D.C. "K" ARMY CORPS SIG. COY. R.E.

TEUT. COL. RA.
A.D. SIGNAL
1 ARMY CORPS

9.7.0

I Anzac Corps "G".
D.D. Signals, Fifth Army.
War Diary. —

Appendix 14

1. The following report shewing the work done by Wireless, Amplifiers and Power Buzzers during the attack by the 2nd Australian Division on the Hindenburg Line on the 3rd instant is forwarded for information.

2. The dispositions on the day previous to attack were as follows:-

Trench Wireless Set at 5th (Right) Brigade H.Q. in Noreuil working back to an advanced Corps directing station at 2nd Australian Division Advanced H.Q. at Vaulx, and to the main Corps directing station at the Monument. The latter station was also used as Army Control station.

Power Buzzer and amplifier installed at Advanced 6th (Left) Brigade H.Q. in the railway embankment at C.5.a.2.4, working back to an amplifier and Power Buzzer at 5th Brigade H.Q., Noreuil.

A trench set was kept packed up at Noreuil ready to go forward with a view to being set up in Riencourt as soon as that village was captured.

Two power buzzers were ready at Advanced 6th Brigade H.Q., to be carried forward to the German lines.

A buried cable route of 20 pairs, armoured cable, 7 feet deep, had been constructed from 5th Brigade H.Q., Noreuil, to Advanced 6th Brigade at railway embankment, C.5.a.2.4., as an extension from the buried route from Advanced Divisional Headquarters, Vaulx, to Noreuil, which had been put down for the previous attack in April. This buried route had also been carried forward to a forward station for 5th Brigade at C.5.b.2.7.

3. A direct power buzzer, amplifier, and wireless chain was thus provided for from the captured position to Advanced Divisional Headquarters, and to the main Corps directing station at the Monument, if required.

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4. In addition a power buzzer and amplifier had been installed at Company H.Q. at D.13.a.9.8, working up and down to a Power buzzer and amplifier at Battalion H.Q. at C.24.d.8.5.

5. At 10.30 p.m. on the 2nd the power buzzer and amplifier were moved forward from Noreuil, at the urgent request of the Brigade Signal Officer (now missing), to Advanced 6th Brigade H.Q. on the railway, and held there ready to go forward.

6. Two power buzzers were sent forward, after the attack, from Advanced 6th Brigade H.Q., one being established at Battalion H.Q. in the Hindenburg Line, U.22.d.6.0, at 7.48 am., working back to the amplifier at Advanced 6th Brigade H.Q. The other power buzzer was apparently lost, and has not been heard of.

7. The forward portion of the buried route between C.5.a.2.4 and C.5.b.2.7 having been destroyed by a party digging a forward sap, the reserve trench wireless set at Noreuil was sent forward about 8.30 p.m. on the 3rd and installed near the H.Q. of three battalions at C.5.d.6.7, to work back to Noreuil station. The aerial was, however, so frequently destroyed by shell fire that the attempt had to be abandoned, and the set was returned to Noreuil at 3 am. on the 4th.

8. About 1 pm. on the 3rd the amplifier in reserve at Advanced 6th Brigade H.Q. was sent forward to the power buzzer in the German line at U.22.d.6.0, up and down working being established at 3.19 p.m.

9. At 7 am. on 4th an amplifier and power buzzer were sent up to Noreuil to replace those sent forward on the evening of the 2nd. Up and down working was established from Noreuil to Advanced 6th Brigade H.Q. on the railway.

10. A power buzzer was sent forward to replace the wireless set at C.5.d.6.7 during the morning of the 4th. This attempted to work laterally to the amplifier at C.5.a.2.4, but working was not altogether satisfactory. Working back to the Noreuil amplifier was afterwards established.

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11. At 10 pm. on the 4th this power buzzer was sent forward from C.5.d.6.7 to Company Headquarters of Right Brigade at U.29.b.6.7, and worked back to the amplifier at C.5.a.2.4.

12. On the evening of the 4th an additional amplifier was obtained from Fifth Army and sent to Noreuil, but being in indifferent order was kept at Noreuil for test till the following evening. At 8 pm. on the 5th this amplifier was sent forward to U.29.b.6.7, and at 10.20 pm. up and down working between here and C.5.a.2.4 was attempted but was unsuccessful at first as part of the apparatus was lost in carrying up. This was replaced on the evening of the 6th, and satisfactory working obtained about 10 pm.

13. The power buzzer - amplifier communications thus established have proved very satisfactory and reliable, and for considerable periods have constituted the only forward means of communication, carrying both Infantry and F.O.O. Artillery messages. Although the range of the power buzzer is limited, if a proper chain of working is established, the earth induction system seems to be the most valuable means of communication in operations such as the present and warrants every effort being made to develop it. The infantry are beginning to place great reliance on this method. Visual proved a failure as it was impossible to read the lamp through the smoke and haze when it was required, and the number of men detailed for manning visual stations was actually wasted. Wireless could not be established far enough forward to be of any great value. The buried route between Noreuil and the railway was blown out two or three times previous to the attack, but was quickly repaired. During actual operations though the route was a good deal knocked about, it was never completely broken, and communication was maintained continuously by changing over circuits. Although it was risky moving the amplifier up from Noreuil so early, the chain was never broken.

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14. Some exceptionally good work was done by the power buzzer and amplifier operators. For one instance, during the counter attack on the morning of the 6th, the operators remained behind with their instruments in the dug-out, U.29.b.6.7., after other troops had cleared out, sent the S.O.S. signal and barrage call which was most successfully responded to, then got away with their instruments, afterwards returning and re-establishing them.

15. The lessons to be derived from the above appear to me to be as follows:

(i) To get satisfactory results "up and down" working" (i.e. an amplifier with each power buzzer) is necessary. This affords the only reliable means of getting messages acknowledged. This entails an increase ~~of~~ of personnel and apparatus.

(ii) The best wireless operators available are required with the amplifiers. Only experienced men can read signals through the jamming that occurs.

(iii) Three operators are not sufficient to carry and operate a power buzzer, in view of casualties that occur - five or six men are required.

(iv) The new pattern of hand generator power buzzer is very awkward to carry, and very difficult and fatiguing to operate.

(v) Good dugouts are absolutely essential for the operation of the Amplifier, otherwise the ~~noise~~ ^{noise} prevents signals being read.

(vi) At stations established before the attack earths should be buried to a depth of 6 feet. If time permits, alternate earths with bases at varying angles should be buried. Arrangements should be made to bury the earths of instruments established in the captured lines as soon as possible.

(vii) There is a danger of power buzzers being regarded as the normal means of communication once they are working. Efforts to lay and maintain cable circuits must not be relaxed.

(viii) There is a great danger of too many messages being sent in clear. Although during the actual fight it is doubtful if the enemy could pick up messages, there is great risk of his doing so directly things quieten down, and this risk is not realized sufficiently by infantry commanders, especially when the latter become very junior officers or n.c.o's., as is likely to happen. Messages must be coded when circumstances admit.

(viv) The question of arms to be carried by amplifier operators requires consideration. Rifles are very difficult to carry when men are loaded with apparatus and get thrown away. I consider a portion at least of the Wireless Section personnel should be armed with revolvers.

(x) The supply of rations and water to operators constitutes one of the greatest difficulties. Reliance cannot be placed on their being supplied by infantry, as units change so frequently. This matter requires very careful pre-arrangement.

16. Map Showing dispositions on the evening of the 6th (10 pm) is attached.

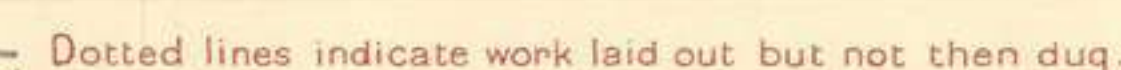
R. Powell

May 7th,

Lieut. Col. R.A.,

1917.

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



No. 6/262

126
Confidential

R. G. G. S. 1 Army Corps.

Appendix 15

I beg to bring to your notice the good work that has been done for some time by Lieut R. Wilkinson of the Corps Wireless Section, especially during recent operations. This officer has worked very hard by day and night installing Wireless and Amplifier Stations and keeping them working, and has frequently installed listening sets in the front line under circumstances of considerable danger.

The O.C. 5 Army Wireless Co has reported to me that he considers Lt Wilkinson's work has been of a high order, and that the arrangements for Wireless working during recent operations have

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reflected great credit on him -

I recommend that as a reward
for this work Lieut. Wilkinson be
promoted to the rank of Captain.
The War Establishments for a Corps
Wireless Section provide for the
Officer in charge being a Captain
or Subaltern -

Though Lt Wilkinson is 6 months
junior to the Senior Subaltern in
the Australian Signal Service, I
consider the grant of higher rank
would be of great assistance to him
in carrying out his duties, during
which he is thrown in contact
with Officers of many different
units.

R. G. Bell
Sdlt RA

5/5/17

Adlykals
1 Aug 1917

126

Aaly/A17

M. like me here
 that W. affected other
 Officers & the Sig. Service

Arbys

1/ANZAC Corps Sig Corps.

Stands 18th for promotion

Sig Corps of A.I.F.

Stands 18th for promotion

Rav

7/5/17.

126
A.D. Legg

The good work of
this officer has been
brought to the notice
of the War Office; but
I regret that promotion
as indicated cannot
be given to Wilkinson

CWT/s

W.B.

126

Weekly Return of WIRELESS SETS 1ST ANZAC CORPS

Appendix 16

Appendix 16

Formation	No. of Map	Map Square	Type of Set	Wave Length	Station Call
ARMY D'INQ. STN.	57c	H15c3.5	Wilson	550-450	US
CORPS " "	"	C26d-	"	550	UR
3 rd Aust bde	"	C10c8.2	French	"	UU
175 th bde	"	C29a3.2	"	"	UT
34 th bde	"	I11a-	"	"	UE
R Bn of 32 nd bde	"	J29b2.2	"	"	UV
3 rd bde (Aust)	Set in reserve at NOREUIL.				UN
<u>AMPLIFIERS ETC</u>					
34 th bde advance	"	J8b1.9	2 valve	-	
Left bn of 32 nd bde	"	J23a1.5	3 "	-	
Coy of 175 th bde	"	D13a9.8	2 " + PB	-	TOBY
3 rd Aust bde	"	C10c8.2	" + PB	-	
1 st " bde	"	C5a3.5	" + PB	-	Q
Bn of 1 st bde	51.B	V22d6.0	" + PB	-	QA
Coy of 3 rd bde	"	V29b6.6	- + PB	-	QB
Bn of 175 th bde	57c	C24d8.5	3 valve		

6-5-17

R. Wal. Kinison Sr.

O.C. WIRELESS 1ST ANZAC CORPS

WIRELESS PRESS.

RECEIVED FROM

G. H. Q.

STATION

Date _____

BY_

Time

126

I ANZAC WIRELESS.	
No.	W 236
Date	7-5-17

Appendix 17

A D Sigs 1st Anzac

The number of messages
handed in for transmission
by wireless for weekend
5-5-17 were as follows.

US	Directing Station	27
UR	AYBR	9
UU	5-4-3 bds	14
UV	32 bds	35
UE	34 bds	27
UT	2-4-175 bds	14
		<u>126</u>

This total does not include
messages sent by P.B.

Arthur Rimson Sr
OC Wireless

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"A" Form.				Army Form C.2121 (in pads of 100).	
MESSAGES AND SIGNALS.				No. of Message	
Prefix	Code	m.	Words	Charge	
Office of Origin and Service Instructions.			This message is on a/c of:		Recd. at
			Sent		Date
COPY			At		From
			To		
			By		By
			(Signature of "Franking Officer.")		
TO { A.D. Signals, 1st Anzac.					
Sender's Number.		Day of Month.		In reply to Number.	
* T.2916		8/5		A A A	
Nomination of No.3630 Sergt. W.J.SUMMERS 1st Anzac Wireless Section to attend Signal Cadet course ENGLAND approved aaa Please arrange for him proceed report A.A.G. Administrative H.Q. A.I.F. 130, Horseferry Road, LONDON soon as possible aaa Number and date of this wire should be quoted as authority for move and advice sent to this office of date of departure aaa Course commences 14th inst aaa					
From					
Place 1st Anzac					
Time					
The above may be forwarded as now corrected.				(Z)	
Censor.				Sd. H.D.WYNTER, Major	
				Signature of Addressor or person authorised to telegraph in his name.	
				D.A.A.G. A.I.F.	
* This line should be erased if not required.					
750,000. W 2186-M509. H. W. & V., Ltd. 5/16.					

A. D. SIGNALS.	
ANZAC CORPS.	
No.	T. 1130.
Date	9/5/17.

I Anzac Corps, "G".

D.D. Signals, Fifth Army.

Appendix 19

I forward herewith a statement shewing the results of Carrier Pigeon Service during recent operations by 2nd Australian Division.

On the 2nd, 3rd, 4th, 5th of May, 48 birds were supplied each day to the 2nd Australian Division.

Total 192 birds: of these ¹²~~23~~ are missing.

Very little practical use was made of the birds, only three tactical messages being received (two in duplicate). Times of these were fairly good.

74 birds returned without clips or messages which is very unsatisfactory. The wastage in clips is, therefore, considerable.

One bird was released from H.Q. 22nd Battalion at 1.30 a.m. on the 4th. The bird only carried a practice message and should not have been released in darkness.

It reached LAVIEVILLE Loft at 7.59 a.m. the same morning. *The number of the Battalion was written "in clear" on the message -*
Some birds were kept over 48 hours in baskets before release.

The general results and manner in which the birds were used is very disappointing considering the training given to pigeon men of this division during the past winter.

May 9th,
1917.

R. H. Fowler

Lieut. Col. R.A.,

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

CARRIER PIGEON REPORT.

Date	L O F T	No. of Birds.	Returned.	Messages		Without clips.	REMARKS
				Tactical	Practice		
MAY 2nd.	Cemetery, Motor Mobile No. 2.	18	3 on 3rd. 9 on 4th. 2 on 5th.	n i l	30	4	1 wounded. 4 missing.
"	Monument, Horse drawn No. 14.	12	1 on 3rd. 10 " 4th. 1 " 5th.	n i l			
"	Lavieville.	6	2 on 2nd. 3 on 3rd.	n i l			2 liberated at 1 am. on 3rd.
"	Chateau, ALBERT.	12	10 on 3rd. 2 on 4th.	n i l			
3rd.	Cemetery, Motor Mobile, No. 2.	8	4 on 4th. 3 on 5th.	n i l	4	3	1 missing.
"	Monument, Horse drawn, No. 14.	12	5 on 5th.	n i l	1	4	7 missing.
"	Lavieville.	28	1 on 3rd. 21 on 4th. 5 on 5th.	n i l	17	10	1 missing.
"	Chateau, Albert.	nil.					
4th.	Cemetery, Motor Mobile, No. 2.	8	8 on 5th.	n i l	3	5	1 wounded.
"	Monument, Horse Drawn, No. 14.	16	7 on 5th. 6 on 6th.	n i l	4	9	3 missing.
"	Lavieville.	12	4 on 5th. 4 on 6th.	n i l	1	7	4 missing.
"	Chateau, ALBERT.	12	6 on 5th. 4 on 6th.	n i l	6	4	2 missing.
5th.	Cemetery, Motor Mobile, No. 2.	16	14 on 6th.	5	5	6	
"	Monument, H.D. No. 14.	12	11 on 6th. 1 on 7th.	n i l	6	6	
"	Lavieville.	20	12 on 6th. 8 on 7th.	n i l	4	16	
T O T A L ...		192.	167.	5	81	74	22 missing.

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Corps Heavy Artillery.

11th Division.

G.O.C., R.A.)

A.D. Signals.) For information.

1st ANZAC Corps Headquarters,

8th May, 1917.

No. 175/329.A

With reference to Corps Routine Order No.225, copy attached.

1. The duties of the officers in charge of the R.A. Signal Sub-section will be as follows :-

(a) To provide and maintain the Signal communications required between Field Artillery Brigade or Group Headquarters and their batteries.

These communications will be established in accordance with the general scheme for Signal communications laid down by the Division or Corps. The O.C. Signals of the Division or Corps will issue the necessary technical instructions as to how the circuits are to be run to the best advantage.

(b) To supervise the Signal communications established by batteries of the Field Artillery Brigade or Group and to ensure that they are in accordance with the technical instructions issued by the Division or Corps.

(c) To prepare and check the demands for Signal equipment of the Artillery Brigade or Group and their batteries, and to make the allotment of the material approved for issue.

2. To enable the Signal officer of the Brigade or Group to assist the adjutant, when necessary he will be an R.A. Officer, unless it is desired to retain the Signal Service officers already attached to Heavy Artillery Groups.

3. Please, therefore, forward as soon as possible :-

(a) Names of R.A. officers who are recommended for seconding to the Signal Service for employment with Field Artillery Brigades and Heavy Artillery Group Sub-sections, who it is considered should be assembled at Army Signalling School and given a short course of training.

(b) Names of Officers who are recommended for transfer to the Signal Service as qualified to take immediate command of Signal Sub-sections without this course of training, for consideration of D.D. Signals.

In both cases the Signal Sub-section of the Brigade or Group with which it is desired to employ them is to be stated.

In the case of H.A. Groups to which a Signal Service officer has already been appointed, it is to be clearly stated whether a Royal Artillery Officer is required in replacement.

In submitting names, it should be stated whether an officer has passed through a Signal course, and, if so, when and where.

4. In cases where it is desired to retain the Signal Service officer already appointed to a Heavy Artillery Group, such officer, on becoming a casualty, will be replaced by a seconded R.A. Officer.

(Sd.) R.A. CARRUTHERS,
Brigadier-General,
D.A. & Q.M.G.
I ANZAC CORPS.

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CORPS ROUTINE ORDER No.225.

In consequence of the allotment of Sub-sections of Divisional and Corps Signal Companies to the Headquarters of Field Artillery Brigades and Heavy Artillery Groups (vide G.H.Q. letter O.B./1026 dated 3rd March, 1917, and 1st Anzac Corps G.S. Circular No.64 of 27th March, 1917), the appointment of Orderly Officer on the establishment of those Headquarters is abolished.

(Authority: G.H.Q. letter A.G's. No. A/16301 dated 27th April, 1917.)

* * * * *

1st ANZAC Corps Headquarters,

May 8th, 1917.

No. 175/329.B.

1st Australian Division.
 2nd Australian Division.
 4th Australian Division.
 5th Australian Division.
 G.O.C. R.A., I Anzac Corps.
 A.D. Signals.)
 A.A.G. A.I.F.) For information.

Appendix 21

 With reference to A.I.F. Order No. 625A, copy attached:

1. The duties of the Officers in charge of the A.F.A. Brigade Signal Sub-section will be as follows :-

(a) To provide and maintain the Signal communications required between Field Artillery Brigade Headquarters and their batteries. These communications will be established in accordance with the general scheme for Signal communications laid down by the Division or Corps. The O.C. Signals of the Division or Corps will issue the necessary technical instructions as to how the circuits are to be run to the best advantage.

(b) To supervise the Signal communications established by batteries of the Field Artillery Brigade and to ensure that they are in accordance with the technical Signal instructions issued by the Division or Corps.

(c) To prepare and check the demands for Signal equipment of the Artillery Brigade and their batteries, and to make the allotment of the material approved for issue.

2. To enable the Signal Officer of the Brigade to assist the adjutant when necessary he will be an A.F.A. officer, unless it is desired to retain the Signal Service Officers already appointed to Divisional and Army A.F.A. Brigade Signal Sub-sections.

3. Please, therefore, forward as soon as possible -

(a) Names of A.F.A. officers who are recommended for seconding to the Signal Service for employment with Field Artillery Brigade Signal Sub-sections, who it is considered should be assembled at Army Signalling School and given a short course of training.

(b) Names of officers who are recommended for transfer to the Signal Service as qualified to take immediate command of Signal Sub-sections without this course of training, for consideration of A.D. Signals.

In both cases the Signal Sub-section of the Brigade with which it is desired to employ them is to be stated.

In the case of A.F.A. Brigades to which a Signal Service Officer has already been appointed, it is to be clearly stated whether an Artillery Officer is required in replacement.

In submitting names it should be stated whether an officer has passed through a Signal Course, and, if so, when and where.

4. In cases where it is desired to retain the Signal Service Officer already appointed to an A.F.A. Brigade Signal Sub-section, such officer on becoming a casualty will be replaced by a seconded A.F.A. Officer.

(Sd.) R.A. CARRUTHERS,
 Brigadier-General,
 D.A. & Q.M.G.
 I ANZAC CORPS.

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A.I.F. ORDER No. 625A.

In consequence of the allotment of Sub-sections of Divisional Signal Companies to the Headquarters of Divisional A.F.A. Brigades, and of Signal Sub-sections to the Headquarters of Army A.F.A. Brigades (vide A.I.F. Order No. 587 of 13/4/17), it has been decided to abolish the appointment of Orderly Officer on the establishment of these Headquarters.

(Authority: G.H.Q. A.G.A/16301 dated 27th April, 1917.)

* * * * *

FIRST AUSTRALIAN AND NEW ZEALAND ARMY CORPS.

Appendix 22

Headquarters, Q.175/33
10th May, 1917.

ADMINISTRATIVE CIRCULAR.

In continuation of 1st Anzac Corps Administrative Circular No. 73 of 11th April, 1917 -

1. The undermentioned Artillery personnel, horses and vehicles will be transferred to the Signal Service:

(i) From Headquarters Corps Heavy Artillery
To Corps Signal Company.

6 telephonists.

(ii) From Artillery Divisional Headquarters
To Divisional Signal Company.

4 signallers and telephonists

4 riding horses.

(iii) From Divisional and Army Field Artillery Brigades
To Signal Sub-Sections for Divisional and Army Field Artillery Brigades -

H O R S E S.

Riding Draught.

1 N.C.O.) Telephone
2 Gunners) wagon
2 Drivers) detachment.

1

9 signallers

9

Wagons, telephone 1.

4.

(iv) From Heavy Artillery Groups.
To Signal Sub-sections for Heavy Artillery Groups.

H O R S E S.

Draught.

1 Sergeant.
1 Corporal.
2 Bombardiers.
13 Gunners.
2 Drivers.
2 Drivers, A.S.C., M.T.

4

Wagons, telephone 1.
Lorry, 30 cwt. 1.
Motor Cycle. 1.

2. Divisions, Corps Heavy Artillery, and Army A.F.A. Brigades will forward to this office as soon as possible the numbers, ranks, names, and units of the personnel enumerated above to be transferred to the Signal Service.

3. This personnel will continue at present to be shown on A.F. B.213 of their present units, but a note will be made that they are attached to the Signal Service pending approval from the D.A.G. for transfer under A.G's letter No. D/3202 dated 28.4.17.

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4. On receipt in this office of the names, units etc., of the personnel to be transferred they will be forwarded to Fifth Army for transmission to D.A.G. Base in order that he may notify Fifth Army that the transfers have been approved.

On receipt of this information Divisions, Corps Heavy Artillery, and Army A.F.A. Brigades will be at once informed so that the personnel may be shown on the A.F. B.213 of their present units as transferred to the Signal Units, and the Signal Units will likewise show them as taken on on the A.F. B. 213.

5. Men who are so transferred will not be replaced in their units, and War Establishments will be amended accordingly.

6. Reinforcements to replace wastage in these signal Units after these transfers have been carried out will be demanded by the Signal Units in the ordinary way on the perforated sheet of A.F. B.213, and will be provided by the D.A.G. Base from the Signal Depot.

7. In the case of Royal Artillery personnel to be transferred attention is drawn to A.O. 211 of 1915, which authorizes a soldier transferred from one Corps to another Corps, to retain while serving in the rank in which he was transferred the rates of pay and allowances, if more advantageous to him.

Also to A.O. 204 of 1916, which authorises compulsory transfer without the soldier's consent. Also to A.C.I. 2084 of 1916, which deals with the retention of emoluments on transfer from one Corps to another of soldiers in receipt of ordinary rates of pay.

8. The transfer of the horses, wagons telephone, 30 cwt. lorry, and motor cycle mentioned in para. 1 will be carried out forthwith.

In the case of riding horses to be transferred the necessary saddlery and equipment will be transferred to the Signal Units and deleted from the Store Table of Artillery units concerned. The transfer of the harness and equipment for draught horses has already been authorised by 1st Anzac Corps Administrative Circular 73 of 11th April 1917.

9. The personnel to be transferred will be clothed and equipped on the same scale as personnel of other Signal Units.

10. AUTHORITY: A.G.'s letter D/3202 dated 28.4.17, and Fifth Army letter A/698/77/1 dated 1. 5. 17.

Brigadier-General
J. H. D. A. & Q. M. G.
I ANZAC Corps.

Brigadier-General, 1,
D. A. & Q. M. G.
I ANZAC Corps.

SECRET.

A. D. SIGNALS.

ANZAC CORPS

T. 1136.

10/5/17.

I Anzac Corps "G".
5th Australian Division.

Appendix 23

The following Wireless, Amplifier, and Power
Buzzer stations have been taken over by Brigades of the
5th Australian Division during recent relief:-

By 14th Brigade.

Trench Wireless Set U U at Noreuil.

Reserve ditto at Noreuil.

(The latter is being withdrawn.)

Amplifier and Power Buzzer at U.29.b.6.7.

By 15th Brigade.

Amplifier and Power Buzzer at C.5.a.2.1.

Amplifier and Power Buzzer at U.22.d.6.0.

May 10th,

1917.

Rumbold

Lieut. Col. R.A.,

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

War Diary.

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"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.	Date
			At			From	
			To			By	
			By		(Signature of "Franking Officer.")		

TO

FLES AYER

Sender's Number.	Day of Month.	In reply to Number.	AAA
------------------	---------------	---------------------	-----

RP 699

10

Ensure that list of offices
and units to be warned
in Wind Dangerous and
Gas Attack messages by
AYE and AYER offices is
kept revised up to date
and known by all concerned
AAA copies to be forwarded here
AAA Same applies your brigades

From

Place

Time

A. D. Lys Aube

The above may be forwarded as now corrected.

(Z)

Censor.

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

* This line should be erased if not required.

126

A. D. SIGNALS,
ANZAC CORPS.
No. T. 1130/A.
Date 11/5/17.

I Anzac Corps, "G".

Appendix 25

In continuation of my report on working of Pigeon Service dated 9th inst., the following additional particulars are forwarded for your information.

On the 6th April 48 birds were sent up to the 2nd Australian Division, on the 7th 32, and on the 8th 28. Total 108.

Only one tactical message was sent back (in duplicate), and this was unsigned. Of the 108 birds sent up 20 are missing, 51 returned without message clips, and 12 with empty clips.

The O.C. Carrier Pigeon Service, G.H.Q., visited the lofts in this area on the 9th instant and drew attention to the excessive wastage taking place, and pointed out that unless this ceases the supply of birds to divisions must be greatly reduced.

May 11th,
1917.

Paulo Will

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

126

"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/o of:	Recd. at.....m.
Office of Origin and Service Instructions.						Service.
			Sent		Appendix 26 (Signature of "Franking Officer.")	From.....
			At.....m.			By.....
			To.....			
			By.....			

TO { O.C. R Signal Co

Sender's Number. *RP 711	Day of Month. 11	In reply to Number.	AAA
-----------------------------	---------------------	---------------------	-----

WW MULLET will be held
in readiness to move
with MILDRED at short notice
AAA detailed instructions
will be issued later
aaa acknowledge

From	Ad Signals
Place	Advt Anyac
Time	(Z) R. M. Powell
The above may be forwarded as now corrected.	
Censor.	Signature of addressee or person authorised to telegraph in his name.

* This line should be erased if not required.

126

"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.
			At.....m.	Appendix 27 (Signature of "Franking Officer.")		From.....
			To.....			By.....
			By.....			

TO

O C K Signal Co
A Wireless Section

Sender's Number. * R 712	Day of Month. 11	In reply to Number.	AAA
-----------------------------	---------------------	---------------------	-----

4 Sub Section will be
held in readiness to
move at short notice AAA
to be complete personnel and equipment
AAA debarked instructions
will follow AAA addressed
OC A Wireless Section
repeated O C K Signal Co

From

Place

Time

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.

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

SECRET.

G. 175/336

Advanced First ANZAC Corps,
13th May, 1917.

Appendix 27^a

1st Australian Division.
2nd Australian Division.
4th Australian Division.
5th Australian Division.

Use of Power Buzzers during Operations.

1. As a result of experience gained during recent operations, the power buzzer has been found to be the most useful, and in some cases the only possible, means of communication to and from the front line during battle.

2. It must be strongly impressed on commanders responsible for sending messages by this method (and especially on all officers and n.c.o.'s. who may possibly become commanders during battle) that all messages so sent can be picked up by the enemy from a very considerable distance.

3. Such messages will, therefore, be sent in code and must be short and concise (vide "Notes on Intercommunication in Battle", S.S.148, dated March, 1917.)

4. The responsibility for encoding messages to be sent by power buzzer and for decoding the same rests with the commander on the spot. This work cannot be done by the operators.

5. No message will be sent by power buzzer unless it is endorsed "By P.B. as written" and signed by the commander or his representative. If it is considered necessary to send a message "in clear" the responsibility for doing so will rest entirely with the commander on the spot.

6. The power buzzer must never be regarded as the normal means of communication, and every effort must be made to lay metallic circuits at the first possible moment and to maintain them. The accumulators with instruments can only work for a limited time, and are very difficult to replace during battle. The power buzzer should, therefore, be regarded solely as an emergency means of communication, and no message should be sent by it which can be sent by other means.

(Sd.) G.C.M. KENNEDY, Capt.,
for Brigadier-General,
General Staff,
First ANZAC Corps.

Appendix No. 28.

126

SECRET.

A. D. SIGNALS,	
ANZAC	
CORPS.	
No.	T.1142.
Date.	13/5/17.

Advanced 1st ANZAC Corps,

13th May, 1917.

ORDERS BY A.D. SIGNALS.

Appendix 28

1. No. 45 Wireless Sub-section will be held in readiness to move with 11th Division on transfer of the latter to Second Army (IX Corps).

2. Entrainment will take place any time after 6 p.m. on 17th May. Detailed instructions will be issued later.

3. No. 45 Sub-section will move complete in personnel and with such equipment as it brought with it on recent transfer from V Corps.

4. ACKNOWLEDGE.

To:-

O.C. "K" Corps Signal Company.
O.C. "A" Anzac Wireless Section.
— War Diary.

R. L. Bell

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

~~SECRET~~

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Appendix No. 28(a)

120

I ANZAC
WIRELESS.

No.

Date.

Appendix 28A

STATIONS POSITIONS to 14/5/17

Army Control Stn.	H.15.c.3.5.	U.S.
Corps Dtnng.Stn.	C.26.d.3.6.	U.R.
14th Aust.Bde	C.10.c.8.2.	U.U.
8th , , Bde.	C.29.a.4.1.	U.T.
143rd Bde.	I.11.a.	U.E.
143rd Bde Advance	J.8.a.0.0.	U.N.
33rd Bde	J.29.b.3.2.	U.V.

AMPLIFIERS

143rd Bde Advance	J.8.a.0.0.
Bn.of 33rd Bde	J.22.a.3.6.
8th Aust Bde	C.29.a.4.1.
TOBY.	D.13.a.8.8.
14th Aust Bde	C.10.c.8.2.
, ,	C.5.a.2.4.
Coy. of.14th Bde	U.29.b.6.7.

Richardson Lt
OC Wireless
1 Army ac.

A. D. SIGNALS.	
Army CORPS.	
No.	T. 1152
Date.	16/5/17.

Advanced First ANZAC Corps,

15th May, 1917.

G.75.

2nd Australian Division.

A.D. Signals (for information).

Appendix 29

1. The following arrangements have been made to hold courses for training men of the 2nd Australian Division in Pigeon duties.

2. Each class will consist of 24 candidates, and the course will last three working days. Candidates will report to O.C. 5th Army Signal Company, ALBERT, by 4 p.m. on the day previous to the commencement of the course, and will return to their units after 4 p.m. on the last day of the course.

3. The first course will commence on the 19th May, and subsequent courses will commence on the following days:-

Second course ... 22nd May.
Third course 25th May.
Fourth course ... 28th May.
Fifth course 31st May.
Sixth course 3rd June.
Seventh course .. 6th June.
Eighth course ... 9th June.
Ninth course 12th June.

and subsequently if required.

4. AN N.C.O. (for disciplinary purposes), and a cook with necessary utensils will be sent with each class.

5. Billets and rations will be provided by O.C. Fifth Army Signal Company, but the candidates for the first course will bring two days rations with them, and those for second and subsequent courses on days rations.

6. Names of candidates will be sent direct to O.C. Fifth Army Signal Company, two days prior to the commencement of the course.

7. Divisions will arrange transport for the classes as necessary. For the second and subsequent courses vehicles taking candidates to each course can bring back candidates from the previous course.

8. Candidates should be selected so that there will be eventually at least one man per platoon throughout the division trained in pigeon duties.

Sd. C.B.B. WHITE,

Brigadier-General,
General Staff,
First ANZAC Corps.

✓ Copy for War Diary.

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"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			Date.....
		At.....m.		Service.....	From.....
		To.....		(Signature of "Franking Officer.")	By.....
		By.....			

TO { Lt Blackwell Corps Signal School

Sender's Number. * RP 715	Day of Month. 16	In reply to Number.	AAA
------------------------------	---------------------	---------------------	-----

Lances will be provided for
 you move at 8 am on
 17th inst. Aaa next course
 will assemble on 20th and
 commence on 21st Aaa
 Candidates total 60 as
 laid down in G.S. Circular
 72 Aaa please arrange
 Aaa acknowledge

From
 Place
 Time

Ad Signals and

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.

750,000. W 2186-M23. H. W & V., Ltd. 6/16.

126

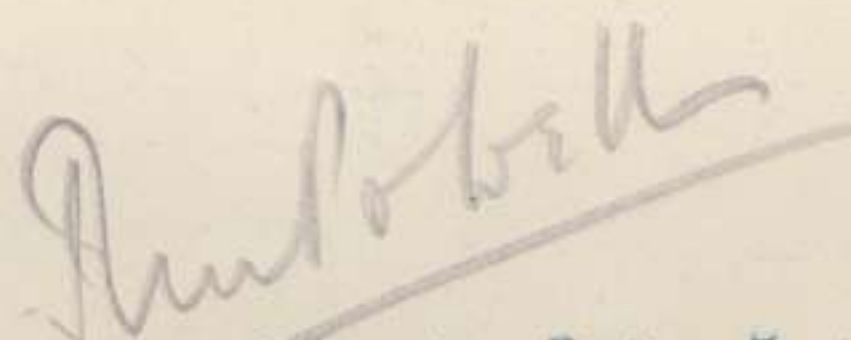
48th Division.

A. D. SIGNALS.	
Anzac CORPS.	
No.	T 1150.
Date	16/5/17.

Appendix 31

No.2 Horse Drawn Mobile Loft situated at the
Reservoir, N.4.b., is placed at the disposal of the
48th Division.

This loft contains 75 birds.



Lieut. Col. A.A.,

A.D.SIGNALS, I ANZAC CORPS.

16th May,
1917.

126

Prefix	Code	m.	Words	Charge	This message is on a/c of:	Recd. at
Office of Origin and Service Instructions.			Sent			Service.
			At	m.	Appendix 32 (Signature of "Franking Officer.")	From
			To			By
			By			
TO {						
DD Lys 5 Army						
O.C. Lys Bapamine						
Sender's Number.		Day of Month.		In reply to Number.		AAA
* RP 708		18				

our BA-VX route will in
future be divided into 2
sections BA-BG and BG-VX
AAA ~~add~~ please alter
labelling in BA office accordingly
AAA location BG port H16d96
AAA add Lys Bapamine
repeated DD Lys 5 Army

From	AD Lys Anre	
Place		
Time		
The above may be forwarded as now corrected.		
Censor.	(Z)	
Signature of Addressor or person authorised to telegraph in his name.		

* This line should be erased if not required.
750,000. W 2186-M509. H. W. & V., Ltd. 6/16.

A.D. SIGNALS,
7 ANZAC CORPS

126

SECRET.

First ANZAC Corps.

Appendix 32 A

LIST OF CODE CALLS- 48th DIVISION.

A.D. SIGNALS.
Anzac CORPS.
 No. *T. 1156.*
 Date. *19-5-17*

48th Divisional Headquarters. C S J

Divisional R.A. H.Q. O G K

240th Brigade R.F.A. O G T

A Battery C S Q

B Battery C S G

C Battery O G F

D Battery O G B

241 Brigade R.F.A. C S M

A Battery C S Z

B Battery O G J

C Battery O G X

D Battery C S U

Z/48 T.M. Battery O G L

Y/48 T.M. Battery C S B

X/48 T.M. Battery O G Y

V/48 T.M. Battery C S P

48th Div. Ammn. Col. O G V

ROYAL ENGINEERS :-

474 Field Coy. R.E. C S N

475 Field Coy. R.E. O G W

477 Field Coy. R.E. O G I

DIVISIONAL TROOPS :-

5 Sussex (Pioneers) O G Z

48th Div. Train O G D

48th Div. Sup. Col. C S Y

1/1 S. Mid.Fd. Amb. O G S

1/2 S. Mid.Fd. Amb. C S H

1/3 S. Mid.Fd. Amb. O G U

INFANTRY:-

143rd Infantry Brigade C S D

5 Warwicks O G C

6 Warwicks C S R

7 Warwicks C S O

8 Warwicks O G A

143 M.G. Company O G O

143 T.M. Battery C S C

144th Infantry Brigade O G H

4 Glosters O G N

6 Glosters C S K

x 7 Glosters O G Q

x 8 Glosters C S A

144 M.G. Company C S F

144 T.M. Battery O G R

See amendments

LIST OF CODE CALLS-48th DIVISION.(Contd).

145th Infantry Brigade	C S X
5 Glosters	C S L
4 Cx. & Bucks.	C S V
4 Royal Berks.	O G M
Bucks Battalion	C S T
145 M.G. Company	O G P
145 T.M. Battery	O G E

These calls to come into force midnight 21st/22nd May.

Previous lists to be destroyed.

First ANZAC Corps.SECRET.ALPHABETICAL LIST OF CODE CALLS. 48th Division.

<u>Code Call</u>	<u>Unit.</u>
C S A	8th Glosters.
C. S B	Y/48 T.M. Battery
C S C	143rd T.M. Battery.
C S D	143rd Inf. Bde. H.Q.
C S E	
C S F	144th M.G. Company
C S G	'B' Battery 240th Bde. R.F.A.
C S H	1/2 S. Mid. Field Ambulance
C S I	
C S J	48th Divisional Headquarters.
C S K	6th Glosters
C S L	5th Glosters
C S M	241st Bde. R.F.A.
C S N	474th Field Coy. R.E.
C S O	7th Warwicks
C S P	V/48th T.M. Battery
C S Q	A. Battery, 240th Bde. R.F.A.
C S R	6th Warwicks
C S S	
C S T	Bucks Battalion
C S U	D. Battery, . . . R.F.A. 241st Bde.
C S V	4th Oxford & Bucks.
C S W	
C S X	145th Infantry Bde. Headquarters
C S Y	48th Div. Supply Column
C S Z	'A' Battery, 241st Bde. R.F.A.
O G A	8th Warwicks
O G B	D/Battery 240th Bde. R.F.A.
O G C	5th Warwicks
O G D	48th Divisional Train
O G E	145th T.M. Battery
O G F	C. Battery 240th Bde. R.F.A.
O G G	
O G H	144th Infantry Brigade.
O G I	477th Field Coy. R.E.
O G J	B. Bty. 241st Bde. R.F.A.
O G K	48th Div. R.A. Headquarters
O G L	Z/48th T.M. Battery.
O G M	4th Royal Berks.
O G N	4th Glosters
O G O	143rd M.G. Company
O G P	145th M.G. Company
O G Q	7th Glosters
O G R	144th T.M. Battery
O G S	1/15. Mid. Field Ambulance
O G T	240th Bde. R.F.A.
O G U	1/3 S. Mid. Field Ambulance
O G V	48th Div. Ammunition Column
O G W	475th Field Coy. R.E.
O G X	C. Battery, 241st Bde. R.F.A.
O G Y	X/48th T.M. Battery
O G Z	5th Sussex (Pioneers)

A. D. SIGNALS,

Anzac CORPS.

No. T. 1156.

Date 19-5-17.

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SECRET.

G. 43/77.

Code Calls - 48th Division.

With reference to First ANZAC Corps G. 43/77 dated 18th May, the following correction is made in the list of Code Calls of the 48th Division forwarded therewith -

Under "144th Inf. Bde." -

<u>For</u>	7th Glosters	-	-	-	-	-	OGQ
	8th Glosters	-	-	-	-	-	CSA
<u>Read</u>	7th Worcesters	-	-	-	-	-	OGQ
	8th Worcesters	-	-	-	-	-	CSA

The alphabetical list of code calls should be amended accordingly.

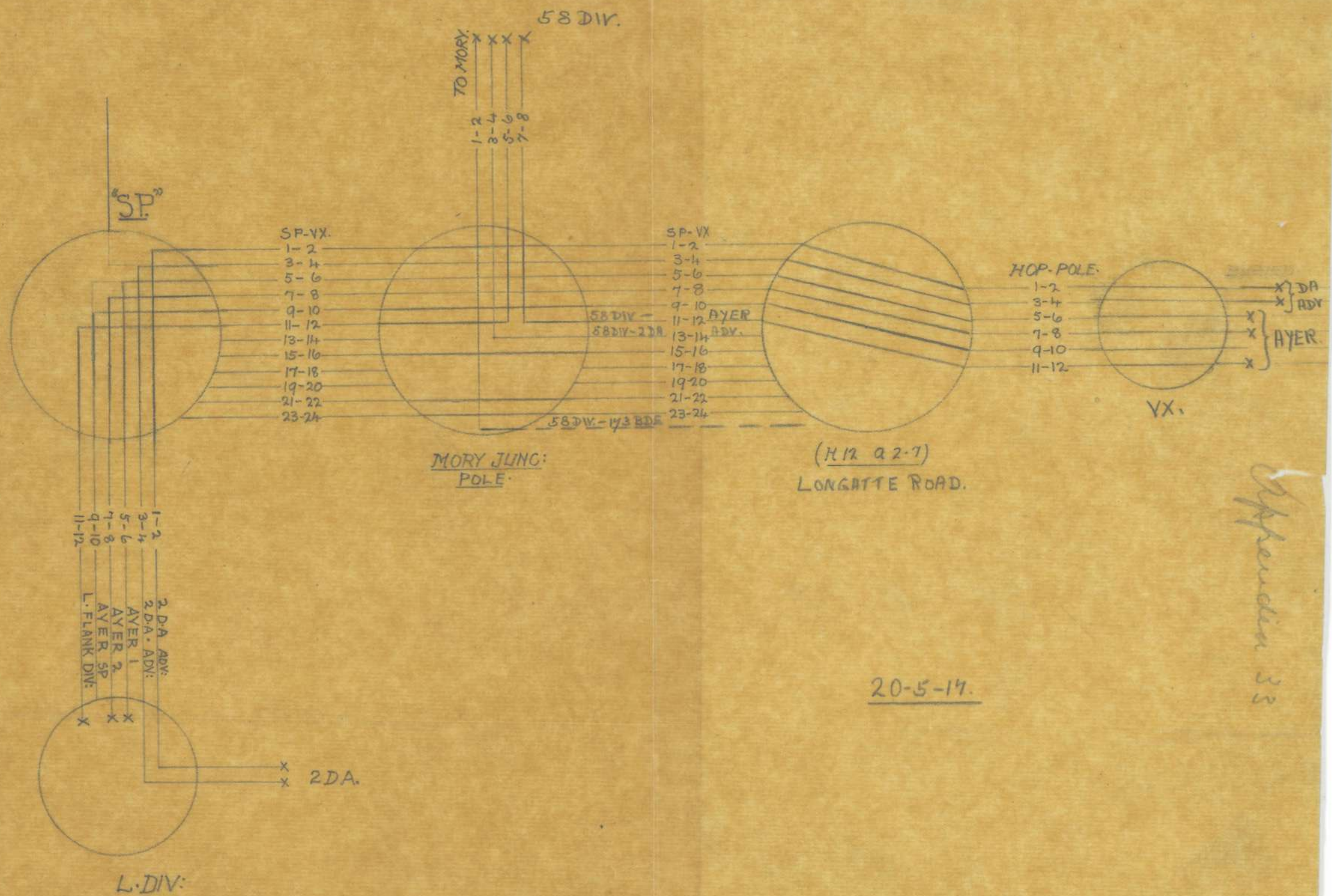
First ANZAC Corps:
20th May, 1917.

War Diary

A. D. SIGNALS.	
<i>Anzac</i> CORPS.	
No.	<i>T. 1156/A</i>
Date	<i>20/5/17.</i>

Appendix No. 33.

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Appendix 33

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Advanced First ANZAC Corps,

22nd May, 1917.

1st Australian Division.
2nd Australian Division.
5th Australian Division.
Corps Heavy Artillery.
A.D. Signals, (for information).

Appendix 34

Weekly Telephone and Cable Deficiency Returns.

Reference this office letter 175/314 dated 20/3/17,
whenever instruments of any description are shown deficient,
a note will be added to the return shewing whether the deficiencies are due to:-

- (a) Instruments having been lost or destroyed in action.
- (b) Instruments having been sent to Corps Signal Stores for repair.
- (c) Instruments being required as a first issue to complete establishment.

In case (a) the necessary certificates will be attached.

Rumbold

for

Brigadier-General,
General Staff,
First ANZAC Corps.

War Diary

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A. D. SIGNALS,	
Amzac CORPS.	
No.	T. 1172
Date.	22/8/17.

Appendix 35

20th DIVISION CODE CALLS.

ALPHABETICAL LIST (20th Div).

20th Division Headquarters	DRF	PFA D Bty. 92nd Bde. R.F.A.
59th Infantry Brigade H.Q.	DRQ	PFB 91st Bde. R.F.A.
10th K.R.R.C.	DRS	PFC 59 M.G. Company.
11th K.R.R.C.	PFL	PFD 60th Inf. Bde. H.Q.
10th Rifle Bde.	PFM	PFE 62nd Field Ambulance
11th Rifle Bde.	DRU	PFF 61st T.M. Bty. R.A.
59th M.G. Company	PFC	PFG 2/20 T.M. Bty. R.A.
59th T.M. BATTERY	DRT	PFH
60th Infantry Brigade H.Q.	PFD	PFI
6th Ox. and Bucks L.I.	PFU	PFJ 12 Rifle Bde.
6th Shropshire L.I.	DRP	PFK X/20 T.M. Bty. R.A.
12th K.R.R.C.	DRO	PFL 11 K.R.R.C.
12th Rifle Bde.	PFJ	PFM 10 Rifle Bde.
60th M.G. Company	DRB	PFN 7 Yorks. L.I.
60th T.M. Battery	PFT	PFO 61 Field Ambulance
61st Infantry Brigade H.Q.	PFQ	PFQ 84 Field Coy. R.E.
12 Liverpool Regt.	DRM	PFQ 61 Inf. Bde. H.Q.
7th Somerset L.I.	DRL	PFR A Bty. 91 Bde. R.F.A.
7th D.C.L.I.	DRX	PFS 20th Div. Train.
7th Yorks L.I.	PFN	PFT 60 T.M. Bty.
61st M.G. Company	DRZ	PFU 6 Ox. & Bucks L.I.
61st T.M. Battery	PFF	PFV 20 Div. Ammn. Col.
		PFW D. Bty. 91 Bde. R.F.A.
91st Brigade R.F.A.	PFB	PFX 217 M.G. Coy.
A Battery	PFR	PFY Pioneer Bn. (11 Durham L.I.)
B Battery	DRA	PFZ B Bty. 92 Bde. R.F.A.
C Battery	DRJ	
D Battery	PFW	DRA B Bty. 91 Bde. R.F.A.
92nd Brigade R.F.A.	DRC	DRB 60 M.G. Coy.
A Battery	DRV	DRC 92 Bde. R.F.A.
B Battery	PFZ	DRD C. Bty. 92 Bde. R.F.A.
C Battery	DRD	DRE
D Battery	PFA	DRF 20 Div. H.Q.
V/20 Heavy T.M. Battery R.A.	DRG	DRG V/20 T.M. Bty. R.A.
X/20 TRENCH MORTAR Bty. R.A.	PFK	DRH 60 Field Ambulance
Y/20 " " " "	DRY	DRI 32 Mobile Vet. Section.
Z/20 " " " "	PFG	DRJ C Bty. 91 Bde. R.F.A.
20th Divisional Ammn. Col.	PFV	DRK 20 Div. Sig. Coy. R.E.
<u>Engineers.</u>		DRL 7 Somerset L.I.
83rd Field Coy. R.E.	DRR	DRM 12 Liverpool Regt.
84th Field Coy. R.E.	PFY	DRN 10 K.R.R.C.
96th Field Coy. R.E.	DRW	DRO 12 K.R.R.C.
20th Div. Signal Coy. R.E.	DRK	DRP 6 Shropshire L.I.
		DRQ 59 Inf. Bde. H.Q.
217th M.G. Company	PEX	DRR 83 Field Coy. R.E.
Pioneer Bn. (11th Dur. L.I.)	PFY	DRS
20th Div. Train	PFS	DRT 59 T.M. Bty.
60th Field Ambulance	DRH	DRU 11 Rifle Bde.
61st Field Ambulance	PFO	DRV A Bty. 92 Bde. R.F.A.
62nd Field Ambulance	PFE	DRW 96 Field Coy. R.E.
		DRX 7 D.C.L.I.
		DRY Y/20 T.M. Bty. R.F.A.
		DRZ 61 M.G. Company.
32 Mobile Vet. Section	DRI	

To come into force midnight 24-25.

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Appendix No. 35(a)

A.D. SIGNALS, 132
I Anzac Corps.

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

No. F. 1180

SECRET

Advanced I Anzac Corps,

23rd May, 1917.

Appendix 35 A

1. (i) The IV Corps is relieving the I Anzac Corps in the Right Sector of the Fifth Army front on 26th May, 1917.
 (ii) Command of the First Anzac Corps front and Corps area passes to the G.O.C. IV Corps at 10 a.m. on the above named date.
 (iii) a. Advanced Headquarters IV Corps is being established at Grevilliers (G.29.b) and Rear Headquarters IV Corps at Wolfe Huts (X.14.a) at 10 a.m. on 26/5/17.
 b. The Headquarters of First Anzac Corps is being established at Querrieu at 10 a.m. on 26/5/17.
2. The 20th, 48th, and the 5th Australian Divisions, and 2nd, 14th, and 44th H.A. Groups are being transferred to IV Corps at 10 a.m. on 26th May.
3. Headquarters First Anzac Corps Heavy Artillery are remaining for the present, and will come under the orders of the G.O.C. IV Corps until such time as they are relieved by the Heavy Artillery of IV Corps.
4. "K" Corps Signal Company. (less the units mentioned below) is being relieved by "D" Signal Company, and will move to the back area with the First Anzac Corps in accordance with the table given in Appendix "A". Further details will be arranged by G.O.C. "K" Corps Signal Company.
5. The following units of "K" Signal Company will be transferred to "D" Signal Company as from 10 a.m. on 26th May:-
 CQ Cable Section.
 MM Cable Section.
 SS Cable Section.
 No. 5 Wireless Sub-section.
 No. 28 Wireless Sub-section.
 No. 33 Wireless Sub-section.
 Signal Sub-section 2nd H.A. Group.
 Signal Sub-section 14th H.A. Group.
 Signal Sub-section 44th H.A. Group.
 Also all Fifth Army linemen attached.
6. All pigeon lofts at present allotted to I Anzac Corps with their personnel will be transferred to IV Corps.
7. The Signal Section Corps Heavy Artillery, of "K" Corps Signal Company, will remain with I Anzac Corps Heavy Artillery, as long as latter remain with IV Corps, and will come under order ~~and will come under orders~~ of "D" Signal Company from 10 a.m. on 26th May.
 All Signal units to be transferred to "D" Signal Company will be handed over complete in personnel and equipment.
8. The 4 mounted orderlies of Corps Mounted Troops now attached to "K" Corps Signal Company will be sent back to rejoin their unit on 26th instant. The 12 Cyclist orderlies of Corps Mounted Troops now attached to "K" Corps Signal Company will accompany to Querrieu and remain attached.

the latter

9.....

O.C. "K" Signal Company will establish Corps Signal Office at Querrieu by 10 a.m. on 26th May, and will arrange for necessary circuits to Fifth Army and 1st and 2nd Australian Divisions.

10. Dates on which offices of I Anzac Corps Headquarters move to Querrieu are given in Appendix "B".

11. ACKNOWLEDGE.

R. Powell

Lieut. Col. R.A.,

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

Copies to:-

O.C. "K" Corps Signal Company.
O.C. 20th Div. Sig. Coy.
O.C. 48th Div. Sig. Coy.
O.C. 1st Aust. Div. Sig. Coy.
O.C. 2nd Aust. Div. Sig. Coy.
O.C. 5th Aust. Div. Sig. Coy.
Advanced I Anzac Corps "G".
D.D. Signals, Fifth Army.
A.D. Signals, IV Corps.
War Diary.

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APPENDIX "A".

Table of moves for "K" Corps Signal Company.

May 24th. One Relief Corps Signal Company to QUERRIEU.

AM Cable Section to WOLFE HUTS.

One third Wireless Section to HENENCOURT.

May 25th. One Relief Corps Signal Company to QUERRIEU.

SD Cable Section to WOLFE HUTS.

AM Cable Section WOLFE HUTS to PONT NOYELLES.

One detachment W.18 Airline Section to PONT NOYELLES.

One third Wireless Section to HENENCOURT.

May 26th. One Relief and H.Q. Corps Signal Company to QUERRIEU.

One detachment W.18 Airline Section to PONT NOYELLES.

SD Cable Section WOLFE HUTS to PONT NOYELLES.

H.Q. and one third Wireless Section to HENENCOURT.

NOTE - Each Relief Corps Signal Company to comprise part from Grevillers and part from Wolfe Huts.

Numbers to be arranged between "K" and "D" Corps Signal Companies.

APPENDIX "B".

Moves of Corps Headquarters offices to QUERRIEU.

On 24th May.

"C" Echelon.

Corps Machine Gun Officer
Chemical Adviser.
D.A.D. Labour.
Corps Roads Officer.
Remount Officer
Dentist.
Artist.
Photographer.
French Gendarmerie.

On 25th May.

"B" Echelon.

R.A. H.Q.
Topo. Section.
D.D.M.S.
D.A.D.M.S.
A.D.O.S.
Paymaster
A.A.G.
French Mission.

On 26th May.

"A" Echelon.

General Staff.
Intelligence.
Chief Engineer.
A.D. Signals.
D.A. & Q.M.G.
A.Q.M.G.
D.A.Q.M.G.
D.A.A.G.
D.A.D.A.P.S.
A.P.M.
CORPS CAGE.

NOTES ON ROUTES IN I ANZAC AREA.

Appendix 36

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Routes up to Wolfe Huts are maintained by Fifth Army. A 24 wire route runs from Albert to Bapaume and is continued forward from there along the Cambrai road to Beugny. Wires are 100 lb. copper, except the 8 bottom wires which are 200 lb. copper. This is generally known as the "A" route.

A trestle route of 16 60-lb. G.I. wires runs past north of Wolfe Huts towards Courcellette where it is diverted by permanent route to CL Test Hut (M.26.d.0.9); thence it continues forward along south side of main road by 16 wire route on 3-way arms to Bapaume, whence it carries on as a 24 wire route along Cambrai road to Beugny. This is generally known as the "B" Route.

Both routes are led in and out of Wolfe Huts office, CL Test point and BA Test point. They are carried round either side of Bapaume clear of centre of town. A 40 way spur runs off the main road at CR pole (H.31.d.3.2.) to Grevillers which carries such circuits as are required on the "A" and "B" routes in and out of Advanced Corps Headquarters.

Allotment of wires on "A" and "B" routes is made by Fifth Army. Corps maintenance from Wolfe Huts, Army from BA to BY.

From Grevillers test pole a 20 wire 60-lb. G.I. permanent route runs to Biefvillers (GV - BF) whence it is continued on a made up German route to Monument junction pole (BF - MT).

This route has one German arm carrying three pairs heavy German iron wire and one pair three strand copper. Under the German arm are four wooden arms carrying sixteen 60-lb. G.I. wires. Total 24 wires.

From CR pole on the main road an 8 wire hop-pole route (CR - RV) runs to RV junction pole (N.4.b.central). This was built originally to provide communication to right division by alternate route in the event of main routes between CR and BA being shelled as happened.

From BA, which is a central test point manned by Fifth Army, a 16 wire hop-pole route (BA - RV) runs to RV junction pole. Thence 12 wire G.I. route on old German poles runs to BC (N.11. central) to carry right division circuits. A 16 wire hop pole route runs from RV to BN (H.35.c) to carry circuits to support division.

From BC a 12 wire hop-pole route runs back to Millers Son (N.27.d.) which originally joined up with the old buried system but is now disused and might be recovered.

From BC a 16 wire hop-pole route runs to Velu to carry forward divisional communications.

From BC a 12 wire hop-pole route runs to near BN to join a divisional comic route BN past Delsaux Farm to Beaumetz and Morchies. The latter carried the forward communications of Right division when their H.Q. were at BN.

By means of the BC - BN route Right division have two forward alternate open wire routes.

From BA to the north a 48 wire bronze wire route runs to H.26.b.4.3, the original site for Corps Advanced H.Q., thence it is continued by twin 16 wire hop-pole routes to BF junction pole.

One of these 16 wire routes continues to Bihucourt into V Corps area. The above 48 wire route is split at AV pole, opposite HA office, and a sixtyfour iron wire spur carries circuits from it in and out of H.A. office.

Army have two lateral hop-pole routes running from BA, one south to sucerie in H.24.central (BA - SE) and extended into XV corps area which carries corps lateral circuits to right flank corps. This route is corps maintenance but Army allot circuits. This route gives a lot of trouble when it gets into XV Corps area. The other runs north from BA to Bihucourt (BA - BI) past BF pole but not split there. This is an Army concern.

From Grevillers a sixteen wire comic route runs to V Corps, Bihucourt. This was built by V Corps when latter expected to take over this front. Only used for inter-corps lateral.

From BA a Corps route runs round north edge of Bapaume and south edge of Beugnatre to Vaulx (Left Division Advanced H.Q.). This route is sixteen wire permanent as far as H.22.d., whence it changes to 12 wires on hop-pole route as far as I.2.c.3.5. A portion round south of Beugnatre is, however, carried on old French permanent poles. From I.2.c.3.5 to Advanced division H.Q. in C.2.6.d. The route is six pair poled cable. It might be worth while to make this route permanent throughout to as near Vaulx as possible. This route is joined at BG pole (H.16.d.9.6) by an old German route running from MT. This has one 8-way German arm and one wooden arm carrying four wires three strand copper: total 12 wires.

From BG pole an eight wire hop-pole route runs past 18 K.B. section in H.18.a. to I.15.a.4.0 (where it joins a Heavy Artillery route running off the main routes at Beugny to two H.A. Groups in I.15.c and I.8.d.). It can, and probably will have to, be increased to 16 wires. On leaving BG this route is carried as part of the BG - VX route as far as H.17.b.7.8 where it branches off. This route is intended to carry lines between H.A. and A.B.S., K.B.S. and H.A. Groups and inter-K.B.S. lines, also to provide alternate circuits H.A. to H.A. Groups in case the main routes on Cambrai road are shelled down as happened on several occasions.

From Monument pole, a route runs past Left Division back H.Q. carrying 40 wires to opposite Division where it is split ("Monument Div." pole) and led in and out of Division. Continued as 12 pair hop-pole route (MT - SP) it runs to a point east of Sapignies where it joins a 24 wire German route running to H.6.c.3.0, whence it continues a 20 wire route partly twin hop-pole and partly permanent round S.E. side of Vaulx to Advanced Div. H.Q. Corps allot wires on this route but use no circuits on it, it being at present fully taken up for Divisional purposes. There is a four pair spur running off this route at H.10.a. to Mory which carries inter-divisional laterals. From MT (Div.) are four pair reconstructed German route runs to 13 K.B. section N.W. corner of Favreuil, which also carries some division locals..

From MT a four pair comic route runs to the railway in H.21.d. extended by two pairs of cables to BN for inter-division and inter-division artillery lateral. This route might be made open wire and completed to 4 pairs throughout.

From DX and VU poles open wire routes run across to Left Brigade of Right Division S.W. of Morchies. It was intended to eventually build open wire from latter place to Left Div. advd. at Vaulx, which would give a forward open wire lateral route right across the front, but it is doubtful if it would stand.

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The following work has been completed to provide for forward move of Right Division Headquarters to I.34.a.3.3, expected to take place shortly.

The BC - VU route has been split in O.4, and an intermediate junction pole, HP, built there. From HP twin 16 wire hop-pole routes run to new Divisional Headquarters, and one of these has been continued to DX junction pole, thus enabling Division to work backwards or forwards via HP or DX.

On move taking place, Corps circuits will be put through at BC on BC - HP route, thence on hop-pole route HP to Division.

It is worth noting that an arrangement was made with Fifth Army that in the event of a breakdown on the main road between E test point and CR pole, one of the EAR BP trunks which runs on the Ancre Valley route via Bihucourt can be put through at BA to the trunk Advanced Corps to BA, for maintaining communication between Ear and Corps.

Dangerous places on routes -

Routes round Bapaume are always liable to be knocked down by the H.V. gun, but the most important spots round BA test hut and C.H.A. office have not been worried for some time.

Fremicourt is a bad place, especially where the railway crosses the road. Both main routes have been knocked down simultaneously, and should not be relied on for carrying all forward circuits to any important unit. They take a long time to mend. All lines H.A. to Groups are carried on these routes, but the route now being built from Beugnatre to I.15 should be used to carry alternate forward H.A. circuits as this ought to be quite safe, except possibly just at Beugnatre. It might be diverted from BG pole clear of the village. With some adjustments of circuits this will be easy to arrange.

Beugny is much shelled and should be avoided for routes.

Lebucquiere is very little worried, but Delsaux Farm is occasionally shelled. Haplincourt, Villers au Flos, Riencourt and Bancourt have not been touched as far as I know, and the BC - VU route may be regarded as safe.

On the left sector, bar occasional wild rounds from the H.V. gun shooting at Bapaume, there has been practically no shelling behind Beugnatre, but the latter place gets it at intervals, though we have had very little trouble with our route there. The Beugnatre - Vaulx and Beugnatre - Ecoust roads have been shelled a fair amount lately and it is desirable to keep routes clear of these. The route from Monument via Sapignies I regard as very safe as far as the Beugnatre - Ecoust road.

Our worst trouble has been round Vaulx from where the BG - VX and SP - VX routes converge. It was at one time intended to bury these routes from this point in to Advanced Divisional H.Q., but the scheme was abandoned for want of labour, etc. The SP - VX route has been continued right in by open wire and has not been knocked about much yet.

The BG - VX route has been carried on from a bank at I.2.d.4.7. by 6 pair poled cable, but this has been broken several times. If the shelling round S.E. side of Vaulx goes on I suggest burying as originally intended, or diverting the BG - VX route from about H.12.b. and carrying it well clear of the SP - VX route, and making a wide sweep away from the village.

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It is desirable to keep a cable detachment somewhere near Vaultx and near the routes, as thereby a breakdown can be very quickly mended. The present camp in I.8.a. is a good place.

There were a great many cables on cross arm poles round S.E. of Vaultx which were very conspicuous but these have now been cleared away.

The 40 wire buried route Vaultx to Noreuil and thence extended to the railway in C.5.a. has stood very well and been most useful for Left Division forward communications though some lines are 'dis' on it. This is maintained and controlled entirely by Division.

53 Airline Section, lent by Fifth Army for work when not required by them, are about to construct a hop-pole route from Monument through Bapaume to RV pole. This is intended to carry circuits which both divisions have to oddments in the town. They are not important circuits, and I think it is worth the risk of the route getting broken occasionally to get rid of existing cables.

I suggest an open wire route from W. of Beugny off main routes to Lebucquiere to carry circuits to and from 44th H.A.G. at latter place and get rid of existing cables.

As regards Balloons, Anti-aircraft, and Survey lines -

17 K. B. Company at Favreuil with 13 and 18 Sections at Favreuil and Beugnatre respectively have been pretty well fixed up, but these two sections are proposing to have a combined forward exchange at the distillery on the Vaultx road which will be very useful. Corps should build a light route there.

13 Balloon Company at Beugny with 3 and 4 sections want something done for them as I have not been able to fix them up yet.

The Anti-aircraft lines want looking into generally, and some of their circuits getting on to open routes. They have a lot of untidy cables about, but I have not been able to do much for them so far.

The 5 Field Survey Company have one forward circuit on cable spurred off to various posts. Their H.Q. are alongside the Heavy Artillery, and I had intended to get them on to the BA - BG - VX route, but some additional construction is required for this.

The circuits from R.F.C. Central wireless to groups should be got on the new Beugnatre - I.15.c route, and a spur built from BA - BG route to the station in H.22.d. At present these are on good poled cable routes. Most of the H.A. circuits in Right Division sector are poled cables but these are strong and well built.

Except for the few items mentioned above and a certain redistribution of circuits as the former are completed I do not think much new construction work will be required.

Forward circuits in Divisional areas are metallic ground cables, Fullerphones being used all along the front. There are no position calls in use at present.

The lateral communications are satisfactory.

A visual scheme has been drawn up for each Division front but visual is practically never used.

The details of the Wireless, P.B., and Amplifier scheme are shown on a separate plan.

24.5.17

Handwritten signature/initials

E.A. Situation Map

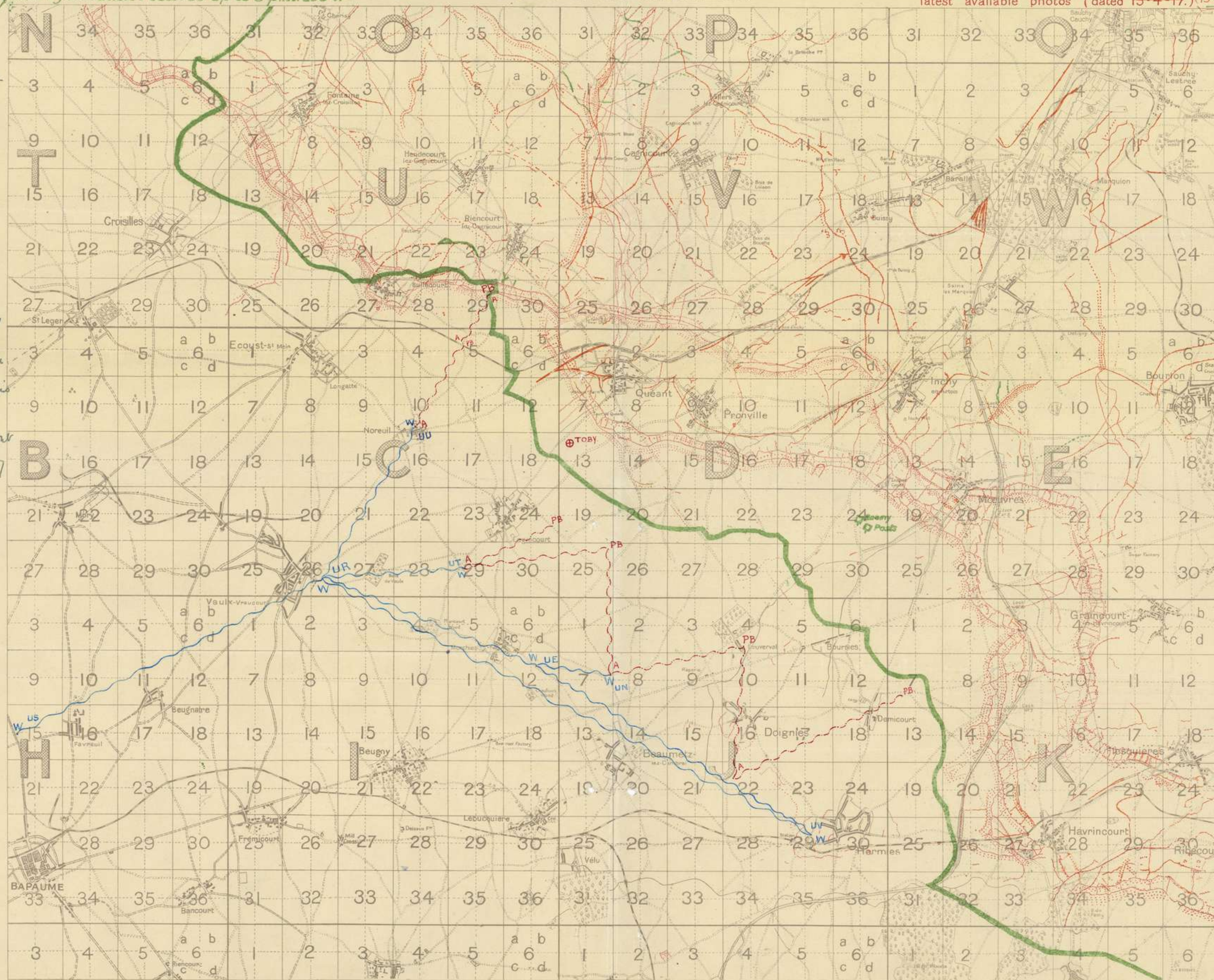
from information received up to 6 p.m. 20.5.17.

APPROX. BRITISH FRONT LINE
FIFTH ARMY AREA. (B.)

New Work

Map showing HINDENBURG LINE from latest available photos (dated 13-4-17.) (13-5-17.)

Wichers,
Power
Buyer,
and
Amplifier
Communications
1 Augus
Cape Town
24.5.17



3" Field Survey Chart (No. 213-12) (1916)

Date of Publication 14-4-17.

YARDS 1000 2000 3000 4000

Scale 1:40,000

0 1000 2000 3000 4000 YARDS

Dotted lines indicate work laid out but not then dug.

AD 3498

Appendix No. 36 140

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A.D. SIGNALS,	
ANZAC CORPS.	
No.	T.1180/A.
Date	24/5/17.

Appendix 37

Amendment to orders by A.D. Signals, I Anzac Corps,
T.1180 dated 23rd May, 1917.

Appendix "B".

Under ... "On 25th May. "B" Echelon".

Delete "R.A. H.Q."

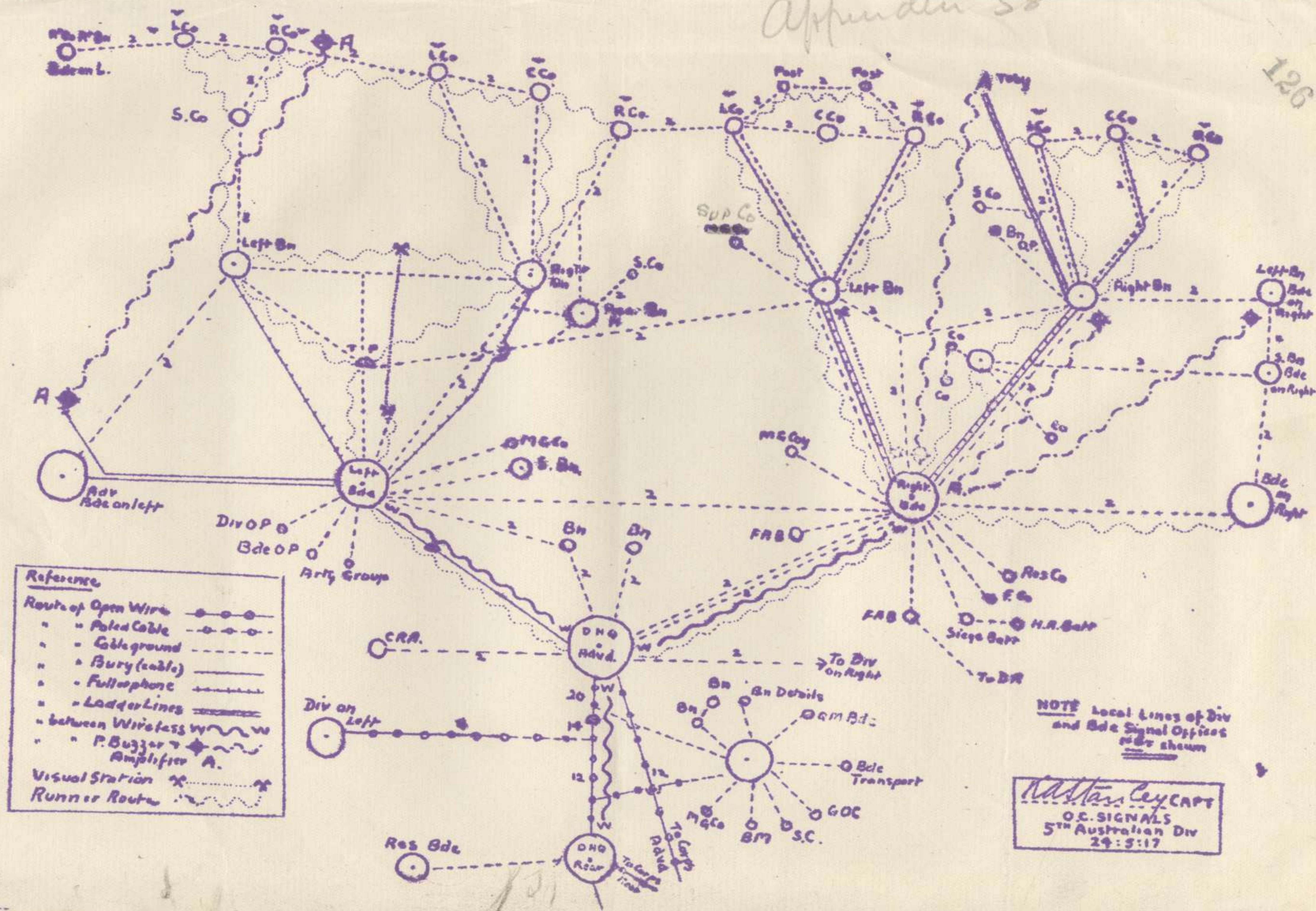
Under ... "On 26th May. "A" Echelon".

Insert "R.A. H.Q."

Copies to:-

- O.C. "K" Corps signal Company.
- O.C. 20th Div. Signal Company.
- O.C. 48th Div. Signal Company.
- O.C. 1st Aust. Div. Signal Coy.
- O.C. 2nd Aust. Div. Signal Coy.
- O.C. 5th Aust. Div. Signal Coy.
- Advanced I Anzac Corps "G".
- D.D. Signals, Fifth Army.
- A.D. Signals IV Corps.
- War Diary.

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



Appendix No. 38. 142

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G A S

A. D. SIGNALS,	
CORPS.	
No.	7700/A.
Date.	

Appendix 30

All "WIND DANGEROUS" and "GAS ATTACK" messages will be delivered immediately to "G" Staff and automatically repeated "PRIORITY" by Advanced Corps Signal Office as under:-

Fifth Army.

Right Division.

Left Division. (Advanced and Rear).

Support Division.

Rear Corps office.

Corps Heavy Artillery.

Bapaume Exchange.

No. 1 Special Company R.E.

Corps Cage.

Cable Section at Avesnes.

No. 3 Squadron R.F.C.

Corps on wither flank. (Only after reference to "G").

Corps Airline Section.

Note - All Corps Headquarter Offices to be warned by orderly.

24th May,

1917.

Lieut. Col. R.A.,

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

750,000. W 2196—M509. II. W. & V., Ltd. 6/16.

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SPECIAL ORDER BY A.D.SIGNALS I ANZAC CORPS.

Appendix 41

The A.D.SIGNALS regrets to state he has been informed that Lieut. H.F.PICKER, M.C. R.E., 'K' Army Corps Signal Company, died in hospital at Boulogne on the 23rd inst.

Lieut. Col. Powell feels sure that all ranks who knew Lieut. PICKER will realize the great loss 'K' Corps Signal Company has sustained by the loss of this gallant officer.

R.A. Powell

Lieut. Col. R.A.

27/5/17.

A.D. SIGNALS I ANZAC CORPS.

File.

126

"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.	Date
			At	m.	(Signature of "Franking Officer.")	From	
			To			By	
			By				

TO {

O.C. K Signal Co

URGENT

Sender's Number.	Day of Month.	In reply to Number.	
*RP110	29		AAA

SD	Call	Section will	
be	held	ready to move	
at	immediate	notice	
aaa	no	personnel or	
vehicles	to be	sent away	
henceforth	aaa	acknowledge	

From	Ad Signals	1 Augac
Place		
Time		

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.

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

A.O. 811

1 ANZAC COMP

126

"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.....m.			From.....
			To.....			By.....
			By.....		(Signature of "Franking Officer.")	

TO { O.C. K Signal Co

Sender's Number. *RP 112	Day of Month. 29	In reply to Number.	AAA
-----------------------------	---------------------	---------------------	-----

BE Calle Section, on
transfer from 5 Army to
1 Army Corps has been
ordered to Port Bouzelles AAA
Section will join K Signal Co
on arrival AAA date and
time of latter will be notified
later AAA BE Section ordered
to bring 2 days rations with them

From
Place
Time

Ad Signals 1 Army

The above may be forwarded as now corrected.

(Z)

Censor.

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

* This line should be erased if not required.

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

126
S E C R E T.

Appendix No. 44

148

A. D. SIGNALS.
I. ANZAC CORPS.
No. T. 1184
Date 30/5/17.

ORDERS BY A.D.SIGNALS

I ANZAC CORPS.

I Anzac Corps H.Q.,

30th May, 1917.

1. I Anzac Corps is being transferred from Fifth Army to Third Army at 10 a.m. to-morrow 31st May.

Telegraph superimposed working (Duplex) will be established from AUO to CAR, on the circuit put through to-day, by the hour named above.

EAR Office at ALBERT is being kept open for the present, and telegraph work to there from AUO will be maintained.

D.R.L.S. to and from Third Army will run via EAR Office at ALBERT at same time and under same arrangements as at present.

2. SD Cable Section, on transfer from I Anzac Corps to Fourth Army, will march to-morrow under arrangements to be made by O.C. "K" Signal Company from PONT NOYELLES To MARICOURT, route via ALBERT and ALBERT-PERONNE ROAD, and bivouac for the night at MARICOURT. The Section will continue its march from MARICOURT to ETRICOURT on June 1st, route CLERY - HAUT - AILAINES - MOISLAINS, and on arrival at ETRICOURT will report to A.D.SIGNALS, III Corps.

SD Cable Section will be complete in personnel, horses, and equipment, and carry two days rations.

O.C. "K" Signal Company will notify marching out strength and hour of departure to this office.

3. BE Cable Section, on transfer from XV Corps to I Anzac Corps, will arrive to-morrow at PONT NOYELLES, and join "K" Signal Company. BE Section will occupy billets and standings vacated by SD Cable Section.

(P.T.O.)

- 2 -

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3. (contd;) O.C. "K" Signal Company will notify to this office marching in strength and hour of arrival of BE Section.

4. ACKNOWLEDGE.

H. Powell

Lieut. Col. R.A.,

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

Copies to:-

O.C. "K" Signal Company.
D.D. Signals, Fifth Army.
D.D. Signals, Fourth Army.
D.D. Signals, Third Army.
I Anzac Corps "G".
— War Diary.

126

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

TO	{	1 Angus Cows
----	---	--------------

Sender's Number. * R 121	Day of Month. 31	In reply to Number.	AAA
-----------------------------	---------------------	---------------------	-----

[illegible]

From	A. D. Lykalo		
Place	1 Aug 1964		
Time			

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.

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

LIEUT. COL. R.A.
A.D. SIGNALS,
1 ANZAC CORPS.

126

"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. From _____ By _____	Recd. at _____ m.
Office of Origin and Service Instructions.	Sent			Date _____
	At _____ m.			
	To _____			
	By _____		(Signature of "Franking Officer.")	

TO { 1 Anyac G

Sender's Number. * RP 122	Day of Month. 31	In reply to Number.	AAA
------------------------------	---------------------	---------------------	-----

Direct telegraph and telephone
to 3rd Army established

From	AD Signals	1 Anyac
Place		
Time		10 am

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

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.	Date.....
2 Addrs.			At.....	m.	Appendix 48	From	
			To			By	
			By		(Signature of "Franking Officer.")	By	

TO	D.D.	SIGS	CAR	
	A.D.	SIGS	PCO	

Sender's Number. * RP123	Day of Month. 31	In reply to Number.	AAA
-----------------------------	---------------------	---------------------	-----

[illegible]

From	A.D.	SICS.		
Place		1st	Angae Corps.	
Time				

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

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

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

Comp 50

ALIO

[26-5-17]