

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

Medical, Dental & Nursing

Item number: 26/23/33 Part 2

Title: Assistant Director of Medical
Services, ANZAC Mounted Division

November 1918 Duplicate



AWM4-26/23/33PART2

WAR DIARY
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.

Place	Date NOV.	Hour	Summary of Events and Information	Remarks and references to Appendices
AMMAN.	1st.		0800 D.H.Q. moved to Es Salt, arriving at 1700. MS109 wired to D.M.S. attached	Appendix 1
Es Salt.	2nd.		0800 moved to Shunet Nimrin, arriving at 1400.	CSM
Nimrin.	3rd.		0730 moved to Talaat ed Dumm arriving at 1500. Maj. MAINWARING detailed as M.O. A.F.C. HAIFA.	CSM
Talaat ed Dumm.	4th.		The day was spent in resting in bivouac. CHAYTORS FORCE ceased to exist from the 3rd. inst.	CSM
Jerusalem	5th.		0830 moved to Kilo 1. Jerusalem. arriving at 1300.	CSM
Latrun.	6th.		0730 moved to Latrun, arriving at 1330.	CSM
Richon.	7th.		0830 moved to Richon, arriving at 1330. 5th. L.H. Regiment with a detachment of 2nd. L.H.F. Ambulance moved to RAS EL AIN en route SEMAKH. G.A.50 received from G. Branch and attached Appendix 1.	Appendix 1A
	8th.		Instructions were received from D.M.S. that larger doses of serum than hitherto in use were to be given in cases of Bacillary Dysentery. An initial dose of not less than 80 c.c. often 100 c.c. was to be given. Instructions for continuation of precautions against Malaria were received from G.H.Q. attached Appendix Return of admissions and deaths among 38th and 39th. Battalions Royal Fusiliers for period 21.9.18. to 12.10.18. sent to D.M.S. 38th. Battalion admissions 7 Officers 239 O/Ranks deaths Nil 39th. Battalion " 6 " 318 " 1 Death.	Appendix 2
	9th.		Medical Corp. Routine Order No. 43 issued and attached Orders were received from G.Branch re move of 7th L.H. Regt. and C.M.R. overseas. Attached LOCATION OF UNITS. 1st. L.H.F.A. - RICHON. 2nd L.H.F.A. - WADI HANEIN. N.Z.M.F.A. - RICHON 7th. Sanitary Section - RICHON Anzac Field Lab. att 1st. L.H.F.A. Anzac Receiving Station dissolved into its component parts, handing over its area stores hospital equipment to the 157th. INDIAN FIELD AMBULANCE who took over the station. The following diseases were reported during the week Malaria M.T. 11 cases Malaria B.T. 22 Malaria Recurrent 13. Diphtheria 1. Dysentery 1. Amoebic 1. Bacillary 1. Malaria is still the prevailing disease the main incidents being in the units which have just returned from the Amman area. Units which have been over a fortnight in the Deiran area show a definite decrease. SANITATION. Complete incineration of camp refuse and faeces is being carried out in all units with the exception of the 1st. L.H. Brigade who are deficient in latrine equipment. Horse manure is being removed by the civilians for their orchards under supervision. This practice has gone on for a considerable time and large accumulations of manure have resulted in many orchards with much resultant fly breeding. Flies are bad throughout the area. Return of sick by regiments for weeks ending 2.11.18. and 9.11.18. issued and attached Weekly report of Sanitary Section received and attached	Appendix 3 Appendix 4
	10th.		2nd. L.H.F.A. and N.Z.M.F.A. were informed that no ambulance detachments would now accompany the 7th. L.H. Regt and C.M.R. overseas War Office Authority.	Appendix 5 Appendix 7
	11th.		Veneral Prophylactic Tents have now been established at all Field Ambulances. S.M.O. Jerusalem was asked to make necessary medical arrangements for squadron of 2nd. L.H. Regt stationed at Jerusalem., The R.M.O. of the 2nd. Regt being with the squadron at Suveileh.	CSM
	12th.		Major MACHIN attached to Anzac Divisional Train for duty. Capt. BASSETT proceeding to Signal Squadron for duty.	CSM

D. D. & L., London, E.C. (A500) Wt. W1771/M2 31 7/19/08 517 8ch 53 Form C/2118/14

Charles E. ...

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CSM

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.

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
RICHON.	NOV.	13th.	Ambulances were instructed all to return all camels and C.T.O. personnel to No.2. Depot Kilo 295 and all caacolets to Depot Ludd. 7th.L.H.Regt and C.M.R. moved to Kantara. Weather conditions cold and wet.	CEM
		14th.	Report on Australian pattern ambulance waggons and adjustments for carrying four stretchers on light ambulance waggon sent to D.D.M.S. Desert Corps. attached. Instructions were sent to 7th.L.H.Regt Kantara that Capt C.H.ANDERSON would report to them as R.M.O. and that Capt. LANG would rejoin 2nd.L.H.F.A. Units were instructed to return all maps with the exception of those of the present area.	Appendix 8.
		16th.	33 cases of Malaria M.T. 43 cases of Malaria B.T. occurred during the week also 1 case of Diptheria. Malaria is still the prevailing disease in 1st.L.H.Brigade and Divisional Troops. 50% of the sickness in the former Brigade being due to Malaria. Some mosquito breeding (Culex) has been found in pools of stagnant water at RICHON. Sick admissions 1 Officer 135 O/Ranks evacuated 1 Officer 108 O/R Weekly % admissions 2.28 evacuations 1.83. Detailed statements by regiments attached Weekly report from Anzac Sanitary Section attached	Appendix 9. Appendix 10.
		17th.	Lt. Col Cave was sent to Egypt to endeavour to ascertain the number of cases evacuated from the Division as Pyrexia N.Y.D. which subsequently proved to be Malaria. A communication was received from the 5th.L.H.Regt. at Semakh as to whether the use of prophylactic quinine was compulsory. After communication with G.H.C. a reply was sent that the use of quinine as a prophylactic was optional and in our opinion inadvisable. Strict attention to nets and deterrents was recommended.	
		17th.	A request was received from R.M.O. 5th.L.H.Regt. for 1 N.C.O. and two O/R of Sanitary Section with two E.L.C. to report Semakh to take charge of sanitation of area. Owing to depletion of staff of Sanitary Section this was found to be impossible.	CEM
		23rd.	Circular Memorandum No. 27 received from A.I.F. Headquarters Egypt and attached The following diseases occurred during the week:- Malaria M.T. 14 B.T. 35 Double Infection 1. Recurrent 9. Measles 1. Bacillary Dysentery 1. There were 46 cases of Malaria in the 1st.L.H.Brigade out of a total of sick rate of 59. There has been a definite increase in the number of flies and mosquitoes in the Divisional area A spell of hot still weather with heavy night dews has facilitated breeding particually in the manure deposits in the orchards. Culex is still breeding in large numbers in pools around Richon and anopholes larvae have been demonstrated at Wadi Hanein. Vigorous anti-mosquito work has been instituted and Brigades have been warned to pay the closest attention to the proper use of their mosquito nets. Sick admitted 5 Officers and 115 O/R	Appendix 11.
		23rd.	Evacuated 1 Officer 98 O/R Weekly % admissions 2.33 evacuations 2.00 Detailed statement by regiments att. Weekly report of Anzac Sanitary Section received and attached	Appendix 12. Appendix 13.
		24th.	A. Medical Board was assembled at 2nd.L.H.F.A. to enquire into the circumstances of the death of No. 3711 Tpr. Chase L.J. 6th.L.H.Regt. President Capt.GOW .J.G. Members Capt Hodgson C.D. Capt Marsh.H.T.	
		25th.	D.D.M.S. Descorps wired for return showing number of deaths due to Malaria which took place in Medical Units of the Division during operations. 1st.L.H.F.A. Nil. 2nd L.H.F.A. Nil. N.Z.M.F.A. Nil. D.C.S. Amman 2. Anzac Receiving Station 8.	CEM

Charles E. Henson Major

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WAR DIARY

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Army Form C. 2118.

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

or
INTELLIGENCE SUMMARY.

(Erase heading not required.)

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	Nov. 26th.		Notification was received from A.A.&M.G. that all promotions of Officers and N.C.O's of the A.I.F. were to be suspended. The sanitary report of the Divisional area received from the Sanitary Section and attached	Appendix 14. <i>CEM</i>
	27th.		Owing to the amount of Medical work presenting in the Semakh area the following additional detachment of 2nd.L.H.F.A. were detailed to proceed to Semakh 1. Officer 8 O/R Draughts 5 Riding 3 G.S.W..l. detachment to leave on 26th. March programme RAS EL AIN 26th. TULKURAM 27th. MESSUDIEN 28th. JEMIN 29th. NAZARETH 30th. SEMAKH 1st. D.M.S. wires asking number of personnel and weight of baggage of Anzac Field Lab. to go forward to HOMS. Reply 1 Officer 30/R Baggage 3 cwt.	<i>CEM</i>
	28th.		Report on Malaria and anti-mosquito work in Nazac Mounted Division for 1918 issued and attached	Appendix 15. <i>CEM</i>
	29th.		A meeting of Medical Officers of the Division was called at 1400 on November 30th. to discuss the clinical and pathological features of the recent epidemic of Malaria. The following Officers were asked to open the discussion Capt. Marsh. clinical Malaria in a regiment. Capt. Hodgson. " " in a Field Ambulance. Capt. Fraser. " " in a Receiving Station. Lt. Col. Ellis " " in a C.C.S. Major. Ferguson Microscopic features in a Field Laboratory. Capt. Bahr. Post Mortem findings and their bearing on treatment.	<i>CEM</i>
	30th.		10 cases of Malaria. M.T. 10 cases of Malaria. B.T. and 4 Recurrent cases occurred during the week, 18 of these 24 cases of Malaria occurred in the 1st.L.H. Brigade. As a result of the anti-mosquito work mosquito breeding has now been reduced to a minimum. Sick admissions 9 Officers 71 O/R evacuations 9 Officers 60 O/R Weekly report of Anzac Sanitary Section received and attached Weekly report of Anzac Sanitary Section received and attached Memo was sent to A.A.&M.G. pointing out that 32 E.L.C. were a minimum requirement for sanitary work in the Division until demobilisation. The Malarial meeting of Medical Officers proved of considerable educational value. A very comprehensive insight into the clinical aspects of the disease from various points of view was obtained. The incubation period of Malignant Malaria was very clearly shown to be exactly 10 days. Anzac Field Lab. were ordered to proceed forthwith to HOMS, entraining at LUDDat 1013 on the 1st. Analysis of weekly A. 36's for month of November issued and attached	Appendix 16. Appendix 17. <i>CEM</i> Appendix 18.

Charles E. Haines

Nov 14/18

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Appendix 1
"A" Form
MESSAGES AND SIGNALS.

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

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 { *Durman*

Sender's Number.	Day of Month.	In reply to Number.	AAA
* <i>M 8 109</i>	<i>1st</i>	<i>906 10/256</i>	

194 Indian M Amb distributed as follows

Arman 1 section Es Sault 1 section

Jenca 2 sections and they will

require additional transport and

Present position Es Sault moving

1800 101 numbers tomorrow

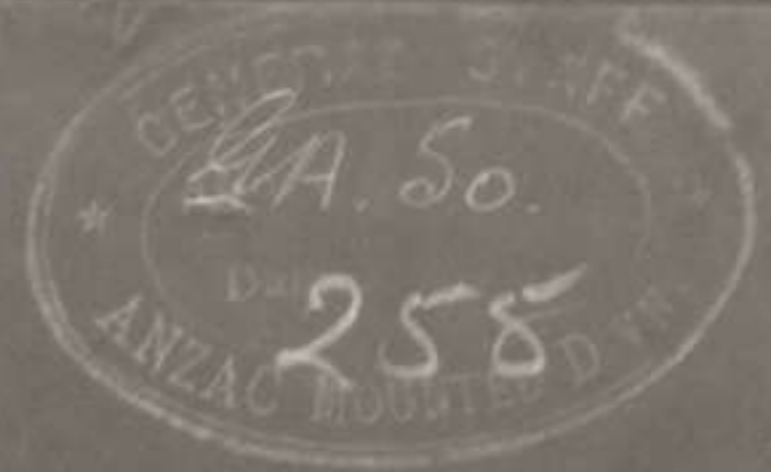
From <i>Angas</i>		
Place <i>24</i>		
Time <i>1925</i>		

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.
Wt. W492/M1647 100,000 pads. 4/17. W. & Co., Ltd. (E. 1187.)

Appendix 1A



S E C R E T.

2nd L.H. Bde.

- - - - -

1. The 2nd L.H. Bde will detail one Regiment and One Section of 2nd L.H. Field Ambulance to proceed to SEMAKH in relief of the 7th Indian Infantry Brigade.

2. The Regiment and Section Field Ambulance will march as follows :-

- 7th November - RAS EL AIN.
- 8th " - TUL KERAM ✓
- 9th " - MESSUDI EH.
- 10th " - JENIN.
- 11th " - NAZARETH.
- 12th " - TIBERIAS.
- 13th " - SEMAKH. ✓

3. On arrival the Regiment and Section Field Ambulance will come under the direct orders of Inspector Palestine Lines of Communication, and will be located in the vicinity of SEMAKH.

The Regiment will be kept concentrated; its role being that of a mobile reserve which can be readily moved to any point in case of disturbance.

4. When the Regiment is in position at SEMAKH the 7th Indian Infantry Brigade is being withdrawn to rejoin its Division.

5. A proportion of 2nd Line Train Wagons will accompany the Regiment.

6. The completion of each days march and the relief of the 7th Indian Infantry Brigade at SEMAKH will be wire PRIORITY to this office.

7. ACKNOWLEDGE.

Wm Anderson
Major G.S. for.
Lieut. Colonel,
General Staff,

6/11/18. AUSTRALIAN & NEW ZEALAND MOUNTED DIVISION.

- Copy to - AQ.
- A.D.M.S. ✓
 - D.A.D.V.S.
 - Divisional Train.
 - G.H.Q.(O).
 - Inspector Palestine Line of Communication.
 - 20th Corps.

Copy 1
Old 13
Unit 3
House 5
Library 3
4 + 2 items

Appendix 2

Handwritten notes in a circular stamp: 24/12/18, 9/11/18, and other illegible text.

Handwritten notes in a circular stamp: 10/9/18, 5.11.18, and other illegible text.

Subject:- Malaria.-Precautions against.

B.14275.

Headquarters,
-- A & N.Z. Mounted Division.

Mosquito breeding is still prevalent and new Malarial infections must be expected for another two months.

All measures of prevention must therefore be re-started at once; Units which handed in mosquito nets should be re-issued with them, the greatest care must be taken in the selection of non-malarial camp sites, Medical Authorities being consulted on the subject, and anti-mosquito breeding measures vigorously pursued.

J. D. Dalrymple
Lieut-Colonel,
A. A. G.
for D.A.G.

Handwritten notes: 24/12/18, 9/11/18, and other illegible text.

G.H.Q. 1st Echelon.
2/11/18.

Handwritten notes: C/O 7th Sanitary Section, Forwarded for A.D.M.S., information & return record card.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Medical Corps Routine Order No. 43

By

COLONEL. D. G. CROLL. A.D.M.S.

313. POSTINGS. Capt. WATERHOUSE. A.R. r joined 1st. L.H.F.A. from 2nd. L.H.Regt. 31.7.18.
- Capt. TRINCA. F.L. A.A.M.C. rejoined 2nd. L.H. Regt. from leave. 31.7.18.
- Capt. TRINCA. F.L. A.A.M.C. to Descorps Amb. Rest Station. 1.8.18.
- Capt. HODGSON. C.R. A.A.M.C. from 1st. L.H.F.A. to 2nd. L.H.Regt. 1.8.18.
- Capt. ISDALE. G.B. N.Z.M.C. rejoined N.Z.M.F.A. from W.M.R. 2.8.18.
- Maj. TROTTER. A.M. N.Z.M.C. r joined N.Z.M.F. Amb. from temp. attachment to 27th. General Hosp. 2.8.18.
- Lt. ROSS. A.M. N.Z.M.C. to 27th. General Hosp. for 3 weeks temp attachment. 3.8.18.
- Capt. ISDALE. G.B. N.Z.M.C. to W.M.R. from N.Z.M.F.Amb. 3.8.18.
- Capt. GOW. F.C. N.Z.M.C. to N.Z.M.F.Amb. from W.M.Rifles. 3.8.18.
- Capt. TRINCA. F.L. A.A.M.C. to 14th. A.G.H. from 1st. L.H.F.Amb. 5.8.18.
- Maj. HERCUS. C.E. N.Z.M.C., D.A.D.M.S. ANZACS, to 14th. A.G.H. on 3 weeks temporary attachment 7.8.18.
- Maj. BOWMAN. R.M. A.A.M.C. 2nd. L.H.F.Amb. to Anzac D.H.Q. vice Major Hercus 9.8.18.
- Capt. MACHIN. A.F. A.A.M.C. to 2nd. L.H.Regt. from 14th. A.G.H. 9.8.18.
- Capt. HODGSON. C.R. A.A.M.C. rejoined 1st. L.H. F.Amb. from 2nd. L.H.Regt. 9.8.18.
- Capt. BAKER. R.A. A.A.M.C. from 1st. L.H.Regt. to Descorps Rest Station Camp Port Said 13.8.18.
- Capt. LANG. A.A. A.A.M.C. from 2nd. L.H.F.A. to Descorps Rest Camp Port Said on leave 12.8.18.
- Capt. YOUNG. V.H. N.Z.M.C. attached A.M.Rifles evacuated sick 12.8.18.
- Capt. WATERHOUSE. A.R. A.A.M.C. from 1st. L.H.F.A. to 3rd. L.H.Regt. 21.8.18.
- Capt. MARSH. H.T. A.A.M.C. joined 2nd. L.H.F.A. from Messcar 22.8.18.
- Lt. BARHAM. C.S. A.A.D.C. to Egypt on leave. 22.8.18.
- Capt. WHITTON. N.S. N.Z.M.C. rejoined A.M.Rifles ex Hospital 24.8.18.
- Lt. ROSS. A.M. N.Z.M.C. rejoined N.Z.M.F.Amb. from temporary attachment to 27th. General Hosp. 28.8.18.
- Maj. HERCUS. C.E. N.Z.M.C. r joined Anzac D.H.Q. and resumed duties of D.A.D.M.S.

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(11)
POSTINGS (Contd.)

from temporary attachment 14th. A.G.H. 29.8.18.
Major. BOWMAN. R.M. A.A.M.C. rejoined 2nd.
L.H.F.A. from temp. attachment
Anzac D.H.Q. 29.8.18.
Lt. CHRISTIE. R.L. N.Z.M.C. joined N.Z.M.F.A.
from Detache Ismailia 31.8.18.
Capt. DOUGLAS. C. R.A.M.C. from 18th. Bde.
R.H.A. to Descorps Rest Camp
Port Said on temp. attach. 31.8.18.
Capt. BAKER. R.A. A.A.M.C. rejoined 3rd. L.H.
Regt. ex Rest Camp Port Said
11.9.18.
Capt. WATERHOUSE. A.R. A.A.M.C. rejoined 1st.
L.H.F.A. ex 3rd. L.H.Regt.
11.9.18.
Maj. MAINWARING. W.R.C. A.A.M.C. joined ~~2nd~~
~~1st~~ Anzac Receiving Station ex 2nd.
A.S.Hospital. 11.9.18.
Maj. TROTTER. A.M. N.Z.M.C. so. N.Z.M.F. H'qrs
Cairo on temporary attachment
6.9.18.
Capt. HODGSON. C.R. A.A.M.C. to Descorps Amb.
Rest Station 2.9.18.
Capt. GILL. H.B. A.A.M.C. to 1st. L.H.F.A. from
Descorps Amb. Rest Station
2.9.18.
Capt. WOOD. W. A.A.M.C. joined 1st. L.H.F.A.
4.9.18.
Capt. GOW. J.G. N.Z.M.C. to Anzac D.H.Q. on
temporary attachment 4.9.18.
Major. MACHIN. A.D. A.A.M.C. evacuated to
Descorps Amb. Rest Station.
5.9.18.
Capt. WOOD. W. A.A.M.C. from 1st. L.H.F.A. to
2nd. L.H.Regt. 5.9.18.
Maj. STOCOMBE. S.H. A.A.M.C. from 1st. L.H.F.A.
to Anzac Receiving Station 6.9.18.
Maj. CHERRY. T. A.A.M.C. to 18th. Brigade.
R.H.A. from 2nd. L.H.F.A. 6.9.18.
Capt. ANDERSON. C.M. A.A.M.C. evacuated sick
from 7th. L.H.Regt. 6.9.18.
Capt. LANG. A.A. A.A.M.C. from 2nd. L.H.F.A.
to 7th. L.H.Regt. 6.9.18.
Lt. CHRISTIE. R.L. N.Z.M.C. evacuated sick
from N.Z.M.F.A. 15.9.18.
Lt. CHRISTIE. R.L. N.Z.M.C. rejoined N.Z.M.F.A.
ex Hospital 17.9.18.
Major. TROTTER. A.M. N.Z.M.C. rejoined N.Z.
M.F.Amb. from temporary duty at
N.Z.E.F. Headquarters Cairo
20.9.18.
Major. CHERRY. T. A.A.M.C. rejoined 2nd. LHFA
from 18th. Brigade. R.H.A. 22.9.18.
Major. MACHIN. A.D. A.A.M.C. joined Anzac
Receiving Station from Descorps
Amb. Rest Station 22.9.18.
Capt. YOUNG. V.H. N.Z.M.C. rejoined N.Z.M.F.A.
ex Hospital 25.9.18.
Capt. FITZARDINGE. J.F.C. A.A.M.C. evacuated
wounded from 5th. L.H.Regt.
25.9.18.

(3)

POSTINGS (Contd). Capt. SMITH, J.W. A.A.M.C. from 2nd. L.H.F.A. to 5th. L.H.Regnt. 25.9.18.
 Major. CHERRY, T. A.A.M.C. evacuated sick. 27.9.18.
 Major. MAINFARING, V.R.C. A.A.M.C. evacuated sick from Anzac Receiving Station 1.10.18.
 Lt. CHRISTIE, R.L. M.Z.M.C. evacuated sick from M.Z.M.F.A. 3.10.18.
 Capt. WOOD, V. A.A.M.C. evacuated sick from 2nd. L.H.Regnt. 5.10.18.
 Capt. WATERHOUSE, A.R. A.A.M.C. from 1st. LHFA to 2nd. L.H.Regnt. 5.10.18.
 Major. TROTTER, A.M. M.Z.M.C. evacuated sick 6.10.18.
 Capt. BAKER, R.A. A.A.M.C. evacuated sick from 3rd. L.H.Regnt. 6.10.18.
 Capt. WIEBURD, C.R. A.A.M.C. from Anzac Div. Train to 3rd. L.H.Regnt. 6.10.18
 Capt. BASSETT, R.C. A.A.M.C. from 1st. Signal Squadron to Anzac Div. Train 6.10.18.
 Capt. WATERHOUSE, A.R. A.A.M.C. evacuated sick from 2nd. L.H.Regnt. 7.10.18.
 Lt. BARHAM, C.S. A.A.D.C. from No. 7 Dental Unit to Training Centre Moascar.
 Capt. WHITTON, N.S. M.Z.M.C. evacuated sick from A.M.Rifles. 11.10.18.
 Major. MAINFARING, V.R.C. A.A.M.C. rejoined Anzac Receiving Station ex Hospital 12.10.18.
 Capt. WIEBURD, C.R. A.A.M.C. from 2nd. L.H.Regnt. to 2nd. L.H.Regnt. 12.10.18.
 Lt. ROSS, A.M. M.Z.M.C. ~~to M.Z.M.C.~~ evacuated sick 19.10.18.
 Capt. GOW, J.G. M.Z.M.C. to W.M.Rifles from temporary attachment Anzac D.H.Q. 19.10.18.
 Capt. ISDALE, C.B. M.Z.M.C. to M.Z.M.F.A. from W.M.Rifles. 19.10.18.
 Capt. YOUNG, W.H. M.Z.M.C. from M.Z.M.F.Amb. to A.M.Rifles. 21.10.18.
 Lt. McLAUGHLIN, J.M. A.A.D.C. to No. 7 Dental Unit from Moascar. 25.10.18.

314. Extract A.I.F. List No. 27 of 1.1.1918.

Major. H.W.GAVE, resumed command of 1st. A.L.H. Field Ambulance and to be Lieut-Colonel, temporarily whilst commanding. 23.6.1918.

315. Extract A.I.F. List No. 28 of 22.1.1918.

4960. T/W.O. Class 1, Leslie Hamilton JACOB, 1st. A.L.H. Field Amb. to be Warrant Officer Class 1. 25.6.1918.

316. PROMOTIONS.

No. 3/1010 T/Cpl. DRUMMOND, A.L., M.Z.M.C. to be clerk to A.D.L.S. and L/Sergeant vice A/Sgt. DIPROBE, E. killed. 28.9.1918.

No. 16915. Pte. BACH, A.J. A.A.M.C. to be Medical Orderly and L/Cpl. vice T/Cpl. Drummond promoted. 28.9.1918.

317 INNOCULATIONS.

259

~~318~~ PROPHYLAXIS.

All anti typhoid and anti cholera inoculations
~~ALL~~ ~~PROPHYLAXIS~~ ~~AND~~ ~~PROPHYLAXIS~~ ~~AND~~ ~~PROPHYLAXIS~~ ~~AND~~ ~~PROPHYLAXIS~~
will be brought up to date at once.

318. STRETCHERS.

Ambulance stretchers are to be used for patients only.

319. DETACHED REGIMENTS.

R.M.Os. of detached regiments will show on their weekly sick states the provisional diagnosis of all cases evacuated to hospital.

320. LEAVE TO UNITED KINGDOM.

Owing to the shortage of Medical Officers, no further applications for leave to the United Kingdom can be considered at present.

321. PROMOTIONS

Promotions to fill vacancies caused by M.Os. proceeding to Cadet Schools can only be made temporary until it is known whether the cadet is to receive commissioned rank.

The following memo received from D.M.S., E.I.F. is published for information:-

"Experience suggests that cases of bacillary dysentery do not always receive sufficiently large doses of serum. It would appear that most benefit results from an initial dose of not less than 80 c.c. (often 100.c.c.) and that the use of a large dose in the early stage of the disease obviates the necessity for any further administration".

[Signature]
COLONEL.
A.D.M.S.
AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION

Headquarters,
9.11.18.

S E C R E T.

2nd L.H.Bde.
N.Z.M.R.Bde.
- - - - -

1. The undermentioned Units will be dismounted and held in readiness to proceed overseas at short notice :-

7th Australian Light Horse Regiment.
Canterbury Mounted Rifles Regiment.

2. Instructions will be issued by A.A. & Q.M.G. for the movement of the two abovementioned Units by rail to Port of embarkation.

3. Personnel will be taken on their present War Establishments and riding horses and transport on a reduced scale, an establishment for which is attached.

4. S.A.A. will be taken on the following scale :-

On the man - 90 rounds.
Regimental Reserve - 100 rounds per rifle.

5. Hotchkiss Rifles will not be taken.

6. Surplus Animals, Transport, Harness, Saddlery, Hotchkiss Rifles and any other surplus stores will be handed in at LUDD forthwith.

7. Box Respirators will be issued in bulk.

8. The War Office has intimated that no portion of a Field Ambulance will be sent.

9. No Egyptians will be taken.

10. Marching out orders will be wired forthwith to this office.

11. Numbers of horses by classes to be handed in at LUDD will be notified to A.A. & Q.M.G. forthwith.

12. ACKNOWLEDGE.

Wm Anderson

Major G. for Lieut. Colonel,
General Staff,

9/11/18.

AUSTRALIAN & NEW ZEALAND MOUNTED DIVISION.

Copy to - G.O.C.

A.Q.

A.D.M.S.

D.A.D.V.S.

D.A.D.O.S.

SPECIAL SCALE OF RIDING HORSES AND
 TRANSPORT FOR DISMOUNTED 7th A.L.H.
 Regiment and CANTERBURY MOUNTED RIFLES.

DETAIL	Riding Horses
<u>Scale of Riding Horses.</u>	
Headquarters	5
Attached Headquarters	1
3 Squadrons (1 each)	3
Transport Officer	1
Transport Sergeant	1
Signallers	9
TOTAL	20

(11) TRANSPORT.

Detail	Vehicles	Drivers	Draught Horses	Pack	Remarks
<u>HEADQUARTERS</u>					
Carts { Maltese for medical equipment	1	-	2	-	
Water	1	2	4	-	
Wagons G.S. (for Cooks (for Baggage	1	2	4	-	
Wagons L.G.S., Officers Mess	1	2	4	-	
For Signal equipment	-	-	-	1	
Wagon, L.G.S. for tools	1	2	4	-	
<u>3 SQUADRONS.</u>					
Wagons L.G.S. for S.A.A. (1 per Squadron)	3	6	12	-	
Wagons G.S. for baggage (1 per Squadron)	3	6	12	-	
Wagons G.S. for supplies	2	4	8	-	
Drivers for spare draught animals.	-	3	6	-	
TOTAL	14	29	60	1	

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Return of sick, by regiments, admitted to and evacuated from Field Ambulances of Division for week ending Saturday 2.11.1918.

FORMATION.	REMB.	ADMITTED.	TO DUTY	EVACUATED.	REMB.	STRENGTH.	WEEKLY % OF ADM.	% OF EVAC.
1st. L.H.Reg.	4	43	-	47	-	335	12.83	14.02
2nd. L.H.Reg.	1	11	1	11	-	180	6.11	6.11
3rd. L.H.Reg.	1	12	-	13	-	258	4.65	5.03
1st. M.G.S.	1	10	-	11	-	148	6.75	7.43
1st. B.H.Q. &c.	5	16	-	21	-	131	12.21	16.03
<u>1st. L.H.BDE.</u>	<u>12</u>	<u>92</u>	<u>1</u>	<u>103</u>	<u>-</u>	<u>1052</u>	<u>8.74</u>	<u>9.79</u>
5th. L.H.Reg.	1	22	2	14	7	399	5.51	3.50
6th. L.H.Reg.	2	20	3	14	5	467	4.28	2.99
7th. L.H.Reg.	6	16	2	15	5	443	3.61	3.38
2nd. M.G.S.	2	12	2	5	7	213	5.63	2.34
2nd. B.H.Q. &c.	5	22	6	19	2	304	7.23	6.90
<u>2nd. L.H.BDE.</u>	<u>16</u>	<u>92</u>	<u>15</u>	<u>67</u>	<u>26</u>	<u>1826</u>	<u>5.03</u>	<u>3.66</u>
A.M.Rifles.	1	12	1	11	1	405	2.96	2.71
C.M.Rifles.	2	15	-	16	1	501	2.99	3.19
W.M.Rifles.	2	15	1	12	4	434	3.45	2.76
N.Z. M.G.S.	3	8	1	7	3	192	4.16	3.64
N.Z. B.H.Q.	2	21	9	10	4	261	8.04	3.83
<u>N.M.R.BDE.</u>	<u>10</u>	<u>71</u>	<u>12</u>	<u>56</u>	<u>13</u>	<u>1793</u>	<u>3.95</u>	<u>3.12</u>
Ayrshire Bty.	5	3	1	4	3	110	2.72	3.63
Inverness "	1	1	1	1	-	109	.91	.91
Somerset. "	1	4	-	5	-	128	3.12	3.90
D.A.C.	-	5	1	4	-	231	2.16	1.73
B.H.Q.	-	-	-	-	-	48	--	--
<u>18th. BDE. RHA.</u>	<u>7</u>	<u>13</u>	<u>3</u>	<u>14</u>	<u>3</u>	<u>623</u>	<u>2.08</u>	<u>2.24</u>
Div. Train.	2	8	-	9	2	279	3.22	3.22
Field Squad.	-	6	-	6	-	169	3.54	3.54
Sig. Squad.	-	12	-	12	-	176	6.81	6.81
D.H.Q. &c.	1	14	2	12	-	235	5.95	5.10
<u>Div. Troops.</u>	<u>3</u>	<u>41</u>	<u>3</u>	<u>39</u>	<u>2</u>	<u>859</u>	<u>4.77</u>	<u>4.54</u>
<u>ANZAC DIVISION.</u>	<u>48</u>	<u>309</u>	<u>34</u>	<u>279</u>	<u>44</u>	<u>6153</u>	<u>5.02</u>	<u>4.53</u>

To/ *War Diary*

For your information.

W. M. Moll COLONEL.
A.D.M.S.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters,

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Return of sick, by regiments, admitted to and evacuated from Field Ambulances of Division for week ending Saturday 9.11.1918.

FORMATION.	REMD.	ADMITTED.	TO	EVACUATED.	REMG.	STRENGTH.	WEEKLY % OF	% OF
			DUTY				ADM.	EVAC.
1st. L.H.Regt.	6	24	5	24	1	306	7.84	7.84
2nd. L.H.Regt.	-	4	-	3	1	154	2.59	1.94
3rd. L.H.Regt.	-	5	-	5	-	280	1.78	1.78
1st. M.G.S.	1	10	-	10	1	150	6.66	6.66
1st. B.H.Q. &c.	-	6	-	6	-	193	3.10	3.10
<u>1st. L.H. BDE.</u>	<u>7</u>	<u>49</u>	<u>5</u>	<u>48</u>	<u>3</u>	<u>1083</u>	<u>4.51</u>	<u>4.41</u>
5th. L.H.Regt.	7	16	1	20	2	378	4.23	5.29
6th. L.H.Regt.	5	6	2	8	1	462	1.29	1.73
7th. L.H.Regt.	5	12	2	13	2	467	2.56	2.78
2nd. M.G.S.	7	7	3	7	4	220	3.18	3.18
2nd. B.H.Q. &c.	2	15	1	13	3	303	4.95	4.29
<u>2nd. L.H. BDE.</u>	<u>26</u>	<u>56</u>	<u>9</u>	<u>61</u>	<u>12</u>	<u>1930</u>	<u>3.06</u>	<u>3.33</u>
A.M.Rifles.	1	9	-	7	3	439	2.05	1.59
N.M.Rifles.	1	8	1	7	1	496	1.61	1.41
W.M.Rifles.	4	7	2	6	3	441	1.58	1.35
N.Z.M.G.S.	3	3	1	4	1	187	1.60	2.13
N.Z. B.H.Q. &c.	4	14	3	7	8	305	4.59	2.29
<u>N.Z.M.R. BDE.</u>	<u>13</u>	<u>41</u>	<u>7</u>	<u>31</u>	<u>16</u>	<u>1868</u>	<u>2.19</u>	<u>1.65</u>
Ayrshire Bty.	3	6	-	8	1	110	5.45	7.27
Inverness "	-	-	-	-	-	118	--	--
Somerset "	-	4	-	4	-	129	3.10	3.10
D.A.C.	-	7	-	7	-	238	2.94	2.94
B.H.Q.	-	-	-	-	-	45	--	--
<u>18th. BDE. RHA.</u>	<u>3</u>	<u>17</u>	<u>-</u>	<u>19</u>	<u>1</u>	<u>640</u>	<u>2.65</u>	<u>2.96</u>
Div. Train.	2	2	-	4	-	275	.72	1.45
Field Squad	-	9	-	5	4	164	5.48	3.04
Sig. Squad.	-	2	-	2	-	170	1.17	1.17
D.H.Q. &c.	-	2	-	1	1	241	.82	.41
<u>Div. Troops.</u>	<u>2</u>	<u>15</u>	<u>-</u>	<u>12</u>	<u>5</u>	<u>850</u>	<u>1.76</u>	<u>1.41</u>
<u>NZAC DIVN.</u>	<u>51</u>	<u>178</u>	<u>21</u>	<u>171</u>	<u>37</u>	<u>6271</u>	<u>2.82</u>	<u>2.72</u>

To/ *War Diary*

For your information.

W. Wood COLONEL
A.D.M.S.
AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters,
12.11.18.

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Temperatures recorded at Anzac Field Laboratory for week ending 2-11-18.

JERICHO

Date	0800		1400		2000		MAX	MIN
	WET	DRY	WET	DRY	WET	DRY		
Nov 27	70	78	72	86	66	79	87	68.5
28	68	79	70.5	91	65	81	92	72.5
29	67	81	69	93	65	82	94.5	72
30	65	80.5	74	102	66	87	103	73
31	68	88	73.5	97.5	64.5	83	100	74.5
Nov 1	69	87.5	69	90	70	86	94	73
2	73.5	82	77	92	70	79	92	73

ANZAC FIELD
 No. TR 19
 Date 3-11-18.
 LABORATORY

W. J. ...
 Major
 name

Appendix 7 9 Nov 1918

A.D.M.S.

Amman.

I have the honor to forward the Weekly reports for the Seventh Sanitary Section Amman covering the periods 20 - 26 October : 27 Oct - 2 November : 3 - 9 Nov.

Personnel

8457 L/Cpl BUTLER A.J. evacuated to Collecting Sta. AMMAN 19/10/18. Syria NYD (finally evacuated from Jericho (Jericho Sta) on 2/11/18 malignant Malaria

14356 Sqr DAVIDSON A.E. 3/10/18 from 2nd L.M.F.A. malignant Malaria

17852 Sqr WAUHOPE J.A. 23/10/18 from Des Camps Jerusalem malignant Malaria

893 Staff Sgt BANSGROVE A rejoined unit 2nd Nov after evacuation from A. Div Collecting Sta (M.T) Reinforcements 5 O/R from Moascar joined the unit at Jerusalem on the 4th. These had all been members of the section & were returning from hospital. One had been an M.T. & 2 out of the 5 are only capable of light duties having left hospital barely convalescent.

1028	Sgt	JONES	H.S.		
3881	Sqr	BARKER	J.C.	(M.T)	light duty
2397	"	HORSEY	R.J.		
3517	"	HUNT	S.W.		light duty
14358	"	PHIPPS	V.L.A.	S	

We are still 10. under strength. No N.Z. units are now attached to the Section. They appear to return to the Ambulance when they finish with their treatment at the Base.

Two natives - one with Malaria, one with Dysentery - were evacuated by me one on the 2nd Nov. Malaria and one at Talaat ed Dummur Dysentery. The gang of 50 is down to 32 effective strength.

Some men are practically off duty owing to convalescence out of 20 men in the section. ~~By Banks~~ Barker, Hunt, Permann (w/bed).

The native labor question is acute. The N.Z. M.R. were reduced to 4 but obtained 8 extra at Ramleh. The problem has arisen of whether these sanitary natives should accompany the unit proceeding overseas. I am advising against this but have written to the E.C. on the subject as well as that of reinforcements. The Turkish R.H.A. demand for a native will be met on the 11th by a native discarded by the 1st Bde.

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Movements] up to the morning of the 1st inst
The Section was acting as Anzac Divisional
Collecting Station at AMMAN

The Section joined the Divisional column and
moved to Es Salt on 1st

Nimrin 2nd

Talaat ed Dumm 3rd rest here on 4th

Jerusalem 5th

Latron 6th

reached RICHON on 7th

The chief incidents en route were transport
difficulties. The long pull to Talaat ed Dumm
proved very trying and one heavy draught
succumbed leaving only 3 for the 9 SWagon

A mule substitute was of little value finally
with 2 mules in making a team of 5 the wagon
went well

A Turkish wagon with 4 small
Turkish mules was arranged and brought right
through. One Turkish mule died at AMMAN
and the remaining six handed in at Richon to
6th Mobile Vet Section

Five reinforcements were sent on
by rail from Jerusalem but the Turkish
Disinfectors at Des Camp Jerusalem had to
be left

Staff Sgt Bauspore RPK Butler & one native
left Amman with 7 Turk POW for Jericho. Both
the native had to be vacated to hospital

Sanitation during the movement This was fair
Water - Spring at Indian 7 Ambulance below SALT
- Chlorinated Tank 2 miles W of Shumet NIMRIN
- Taps at Talaat ed Dumm
- Tap Jerusalem
- Chlorinated Tank LATRUN

Units were expected to chlorinate water in
fontasses. The order was by using a solution
of 4 measures to 1 mug (1 pint) & a table spoonful
per fontasse did this satisfactorily

Disposal of Feces. San Sec & 7 Squadron used
the bucket regularly but the contents had to be
buried. The bucket was then burnt out before
putting on wagon

Pigs used there at Talaat ed Dumm but
I did not see one out at all

Camp Sites These were left only fairly. The
local inhabitants took away most of the manure
etc & could be depended on to scatter about any
Collection of Time. Very few mosquitoes
were met with. The site at Nimrin was almost
at the barbed wire a spot never previously occupied
I noticed none at SALT two about 4 am at
NIMRIN none at Talaat none at Jerusalem
one at LATRUN none at RICHON. The
elimination of Jericho meant a big day for
transport but was justified sanitarily

Disposal of Carcasses :- The corporal sent to deal with the dead draught horse had everything ready. C. solution, picks, shovels etc. but found a local sanitary section man who undertook to dispose of the carcass. This L of C. Sanbec is a step in the right direction.

At RICHON Brigade inspection work has been re-established it having lapsed for a week with the 1st & 2nd Bde's owing to inspectors being evacuated and the section being out of touch.

The NZ & IInd reports show satisfactory work. Faeces well burnt, rubbish dealt with in the manure bin. Manure is in some units taken by cultivators.

The 1st are not yet in proper working order they are deficient in latrines. Open benches are in use for latrines. Grease traps not kept down. Manure in m.g.s. badly controlled (9th).

Units should be urged to be urged to indent at once both for deficiencies in mobile equipment and for the extra 2% of large buckets to bring them up to 5% allowance for permanent camps.

Harvey Sutton
OC 7th Sanbec Coy

Appendix 8

367



To/ D.D.M.S. DESERT MOUNTED CORPS.

Herewith reports received on light ambulance waggons fitted with adjustment to carry four stretcher cases.

L. E. Lucas Major COLONEL. A.D.M.S.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters, 14.11.18.

To: A.D.M.S.

Reference your wire no. 826 dated 9/11/18.



REPORT ON AUSTRALIAN PATTERN AMBULANCE WAGON

The Australian pattern ambulance wagon has proved far superior to any other type of horse ambulance vehicle for the following reasons,-

- 1. 4 lying patients can be carried with comfort as well as 3 sitting cases.
- 2. If no lying patients carried, 12 sitting patients can be carried with comfort.
- 3. The patients are not bumped about so much as in other vehicles owing to the wagon being heavier in pattern and more low set.
- 4. In hilly country it is considered advisable that 5 horses be used which can be and are (in this unit) driven from the box seat.

Army Form C54B (Pads)

MEMORANDUM.

(MORSE) W. 5211 38,000 pads, 10 1/2 x 1 1/2 in. (E. 1851)

From: H. F. AMBELL

To: A.D.M.S. A+N.Z. DIVISION

Date: 11.11.18

Date: 11.11.18

Ref. your M. 825 dated 9/11/18. The fittings for four stretchers are very useful in cold weather but are very hot in any other weather. The lower patients getting practically no fresh air. For distances of less than a mile they are useful. Also two stretcher cases can be placed on one side & three sitting opposite, thus increasing the utility of a wagon.

H. F. AMBELL



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AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION

Return of sick, by regiments, admitted to and evacuated from Field Ambulances of Division for week ending Saturday 16-II-18.

FORMATION.	REMD.	ADMITTED.	TO DUTY	EVACUATED.	REMC.	STRENGTH.	WEEKLY % OF ADM.	% OF EVAC.
Ist.L.H.Regnt. B	18	4	11	4	337	5.34	3.26	
2nd.L.H.Regnt. I	-	-	I	-	158	-	.63	
3rd.L.H.Regnt. -	9	2	5	2	280	3.21	1.78	
Ist.M.G.S. I	9	2	8	3	154	5.84	5.19	
Ist.B.H.Q. -	8	-	5	3	222	3.60	2.25	
Ist.L.H.Bde. 3	44	8	30	9	1151	3.82	2.60	
5th.L.H.Regnt. 2	-	I	I	-	-	-	-	
6th.L.H.Regnt. I	7	I	6	I	440	1.59	1.36	
7th.L.H.Regnt. 2	6	I	5	2	412	1.45	1.21	
2nd.M.G.S. 4	4	5	3	-	208	1.92	1.44	
2nd.B.H.Q. 3	13	I	11	4	296	4.39	3.71	
2nd.L.H.Bde. 12	30	9	26	7	1356	2.21	1.91	
A.M.Rifles. 3	6	2	7	-	442	1.35	1.58	
C.M.Rifles. I	4	-	5	-	503	.79	.99	
W.M.Rifles. 3	5	2	4	2	424	1.17	.94	
N.Z.M.G.S. I	4	I	3	I	187	2.13	1.60	
N.Z.B.H.Q. 8	7	2	10	3	295	2.37	3.38	
N.Z.M.R. Bde. 16	26	7	29	6	1851	1.40	1.56	
Ayrshire Bty. I	5	-	3	2	117	4.27	2.59	
Inverness " -	I	I	-	-	124	.80	-	
Somerset " -	I	-	1	-	141	.70	.70	
D.A.C. -	3	-	3	-	240	1.25	1.25	
B.H.Q. -	-	-	-	-	46	-	-	
18th.Bde.R.H.A.I	10	I	7	2	668	1.49	1.04	
Div.Train. -	13	-	7	6	277	4.68	2.16	
Field Squad. -	I	-	-	I	187	.53	.53	
Sig. Squad. 4	6	I	7	2	216	2.77	3.24	
D.H.Q. &c I	6	2	3	2	249	2.40	1.20	
Div.Troops. 5	26	3	17	11	929	2.79	1.83	
ANZAC DIVN. 37	136	28	109	35	5955	2.28	1.83	

To/ *Was Diary*
For your information.

[Signature]
COLONEL
A.D.M.S.
AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters.
18-II-18.

Appendix 10

16 Nov 18

(1)

Wmms
Anzac

I have the honor to forward
the weekly report of the 7th Sanitary
Section Anzac for the period
10-16 November inclusive

No changes in personnel this week except
1 O/R on leave to Egypt

The deficiency of one draught horse
has been removed by the receipt of
two draughts from 2nd Bact Coy

The position regarding the C.I.C native
gang remains unchanged My letter
to the 100th Coy C.I.C has not been answered
yet We are no less than 19 out of
50 short

One O/R in this section is under treatment
for B.T. (malaria)

Mr FINCH is appointed R/Commandant
from date commencing Brigade inspection
9/Nov 1918

(Margary)

15 Nov 18

(2)

Sanitation in the Anzac 1st Division
Reports of Sanitary Inspectors for FRIDAY 15th Nov

NZMR Bde [L/Corp ANDERSON]
[less Canterbury MR proceeded to a destination unknown]

A uniformly good report.
Grease traps good Rubbish burning well Excreta
well burnt Manure spread on road (except B.I.C.
where natives remove it) Urine tube satisfactory
and men's and horse lines good Cleanliness
YMCA and P.O. are looked after by the Auckland
Regt Area left by C.M.R. has been cleaned

Second A.L.H. Brigade (less 7th & 5th Regts) L/Corp FINCH

Grease traps good Incinerator burning Latrines
good Urinals ✓ Manure taken away
by natives Latrines many seats are
bad repair need replacing (6 regts especially)

During the wet days feces were buried
by all units
4th Regt moved out during the week
leaving the area clean

General sanitation at present good

In possession 34 latrines of which 13 of the
seats are broken

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1st ALH Bn (less 2nd Coy) Staff JONES I.S.O.
 General report good all round except for latrines
 manure taken away by natives
 Owing to shortage of latrines especially seats
 Open pits are being used in addition to the buckets
 at the 1st, 3rd Regiments the Machine Gun
 section and the 6th Mob Vet Section

Sanitary Equipment	1 st Regt	3 rd Regt	MG Co	PLHQ	BK Co	Net Hoop	Sig Hoop	6 th Mob Vet Sec	Normality
Seats	7	12	1	6	2	1	2	-	16
Buckets	7	7	7	6	2	1	2	-	16
Pits	-	12	-	-	-	-	-	-	4
Normality	-	-	-	-	-	-	-	-	5
									2
									1
									1
									1

15 Bn Bn P H A - Staff Sq Bausgrove
 Dismounted Ammunition Column
 Feces rubbish incinerated Grease traps - Urine traps ✓
 9 buckets for 300 men in the dorms
 3 extra buckets for officers
 Section Feces had been buried excuse bad weather
 Owing to the damp half burnt feces and let lying near
 Central incinerator also unburnt kitchen refuse
 This is being attended to

Latrine -
 1st ALH Bn latrine incineration through
 9 buckets for 140 men
 Ammunition " incineration etc good
 Dismounted " grease traps ✓
 10 " feces properly incinerated

Throughout Bn manure removed by farmers to gardens

Dismounted Train Sgt HEATON
 HQ Coy no incinerator refuse lying on ground
 and not burning Lines of fair horse lines
 not properly cleaned up Feces burnt

4th Coy 32nd 38th 34th Coy good
 4th Coy burns all its manure in others the
 manure is taken away by cutwaters
 32nd Coy has a properly built incinerator shows
 burnt refuse in a large heap on the ground
 Feces burnt but with exception of the 4th Coy
 units have broken seats in HQ 32nd Coy
 At 34th Coy native drivers grease trap is bad

General report shows progress though
 several matters yet to be adjusted

270

Divisional Unit Ricketon Capt Blake 15th (5)
 Report good NZ transport poor
 manure taken by orchardists
 Incineration carried out no manure at
 Sigs; NZHQ transport are burning it on ground

No grease traps at NZHQ. Sigs + transport
 No urinals at " " " "

Trenches in use by NZ transport no beats
 also at HQ Sigs no beats
 also at HQ Sigs no beats

1st Sig. Squadron + Jets Squadron good
 minor matters require attention
 manure goes to orchardists
 Feces burnt except at one troop of Sigs when
 buried in wet weather only
 Cookhouses excellent grease traps good except
 Sigs mess + 7th Squad.

Taken all round sanitation is good the
 chief fault is (a) shortage of latines in 7th Bde
 + NZ transport (b) Feces buried wet weather
 being used as an excuse

I would strongly recommend the laying
 down of manure roads during the dry spell
 and the supply of latrine depots to
 be hastened as urgent

Malarial Report Mosquito Breeding (174)
 Coprol Blake has inspected Central Ricketon
 the wells are outside the town



Marked breeding found alongside DHO at
 water supply for horses
 also in small pools in vicinity

The latrine supply is not yet
 complete I have offered certain units
 to supplement their burning efforts by
 an issue of C solution

Harvey Sutton
 Capt
 OC 7th San Co Bn

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15 Nov 1918

ADMS

Notes

About 1100 I inspected the Field Squadron lines reported later to Major ALLEN

COOKHOUSE OVENS excellent - (1) Oven type with slide for roasts (2) for duxes (3) for boiling water protected by octagonal screen & ~~has~~ under construction a roof. The grease trap is a failure drain is exposed in the subsidiary pit. No. 1 pit appears poor on the N. slopes & low down in the slope. This hessian screen type with extra pit should be replaced by a double tin (covered) perforated with tublin fitting over a 4 ft cubical pit filled with empty burnt tins.

INCINERATOR a metal iron manometer of galvanized iron perforated & supported by iron supports forming an oblong trough about 10 feet long is most efficient.

LATRINE Seats in good order. Feces buried. Manure removed by cultivator. Suggested part should be road spread so as to keep dust down. Lines generally good.

Henry Sutton
OC 7 San Sec Coy

MxB

15 Nov 1918

ADMS

Notes

At 1015 Today I visited the 1st Signal Squadron ANZACS & inspected the Camp with the orderly Officer Lieut Waincott. The general sanitation of the camp is very good especially the cookhouses which have been or in process of erection of well built ovens. The incineration of refuse is being carried out though weather conditions have rendered this difficult. Disposal of manure is to a cultivator. Latrine is adequate tho' some minor repairs are necessary in A Squadron. The systematic control of sanitary work by a definite orderly in each Squadron is a matter for special praise & sets an example which other units whose establishments ^{similarly} do not provide for a sanitary squad might well follow.

Comments in detail

Squadron Cookhouse excellent (a) Oven of stone lined (with a little tublin) for duxes (b) Oven of old iron with slide for roasts (c) Grease trap properly fitted & covered. The whole neatly arranged & tidily kept. rubbish bag etc. Oven is found very economical - very necessary with present small wood issue.

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Cookhouse similar to one
constructed

Signs in mess - at present the simple trench for
but even to be put in

Grease trap here not a success. Absorption
at lower part of northern slopes poor. A fresh
pit to be dug

Squadron Cookhouse seems about to be
constructed Kitchen clean tidy Grease trap good

INCINERATION During the extent of the camp
two areas are in use. Waste tin is deposited -
alongside trench this other rubbish and feces
burnt with its help

In the main area a tubuland incinerator
would be a distinct help. Trucks should a
field incinerator have now been made with the
help of tubulands to be shortly erected

A - Squadron A tubuland mesh has
been made and laid over a pit of tin. This will
need side channels to be dug for a proper draught

Feces were buried close by during the wet
weather unavoidably; the better way is to
incorporate with tubuland on dry later if burning
still difficult it may be effected with the help
of C. solution available at the San Sec.

LATRINES A box seat latrine has brought up
the buckets to the standard number. Screens in use
Hinges of the two plates of Squadron
require repair

The sanitary matters attend to
the receptacles morning & both afternoon. The
burning of feces is carried out (with the exception
mentioned). Cresol is expected shortly from
the A.S.C. the issue has been delayed also that
of Crude Oil

Urinals Perforated tin & at main latrine a
simple hole in use

MANURE This is, I understand, sold to a cultivator
This tin has a cash value. I would suggest
a portion of the manure being utilized to build
a road for horses to water in and so limit
dust

HORSE LINES MENS LINES, CAMEL NATIVE LINES
in good order

Harvey Sutton Capt
OC. 7 San Sec
ANZACS

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Appendix II

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11

AUSTRALIAN IMPERIAL FORCE IN EGYPT.

Australian Headquarters. (Egypt).
Cairo November 22nd. 1918.

CIRCULAR MEMORANDUM No.27.

PROMOTION OF WARRANT OFFICERS AND NON-COMMISSIONED OFFICERS
1914 LEAVE PERSONNEL.

The promotion of Warrant and Non-Commissioned Officers who are eligible for 1914 leave, and of other Warrant and Non-Commissioned Officers appointed to fill vacancies caused by 1914 personnel proceeding on leave, are governed by the following rulings:-

- (1) Vacancies caused by casualties other than by personnel proceeding on 1914 leave may be filled by substantive, E.R., or temporary promotions in the ordinary way, whether the men promoted are eligible for leave or not.
- (2) Vacancies caused by personnel proceeding on 1914 leave may be filled by temporary promotions, whether the men promoted are eligible for leave or not.
- (3) Men eligible for leave who are granted E.R. or temporary rank under (1) will retain their rank if still holding same at date of proceeding on leave.
- (4) Men eligible for leave who are promoted to temporary rank under (2) will relinquish their temporary rank as from date of embarkation, if they subsequently proceed on leave.
- (5) No man is eligible for promotion whilst on leave.

To enable action to be taken in this Office, it is essential that, in showing promotions on Army Forms B.213 you give full particulars of the nature of the casualties which cause the vacancies being filled.

H. Robertson
Lieut. Col.
for COMMANDANT.
AUSTRALIAN HEADQUARTERS, Egypt.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

12

Return of sick, by regiments, admitted to and evacuated from Field Ambulances of Division for week ending Saturday 23-11-1918.

FORMATION.	REMD.	ADMITTED.	TO DUTY.	EVACUATED.	REMG.	STRENGTH.	WEEKLY % O	
							Adm.	EVAC.
Ist. L. H. Regt	4	17	2	15	4	382	4.45	3.92
2nd. L. H. "	-	1	-	1	-	181	.55	.55
3rd. L. H. "	2	4	-	4	2	318	1.25	1.25
Ist. M. G. B.	-	7	-	7	-	145	4.82	4.82
Ist. B. H. Q. Sc	3	12	-	13	2	226	5.30	5.75
Ist. L. H. Bde.	9	41	2	40	8	1252	3.27	3.19
5th. L. H. Regt.	-	-	-	-	-	-	-	-
6th. L. H. "	2	11	2	5	6	460	2.39	1.08
7th. L. H. "	1	-	1	-	-	-	-	-
2nd. M. G. B.	-	5	-	2	3	203	2.46	.98
2nd. B. H. Q. Sc.	4	6	2	5	3	259	2.31	1.93
2nd. L. H. Bde.	7	22	5	12	12	922	2.38	1.30
A. M. Rifles.	-	8	-	8	3	468	1.70	1.06
C. M. "	-	-	-	-	-	-	-	-
W. M. "	2	9	1	5	5	444	2.02	1.12
N. Z. M. G. B.	1	6	-	3	4	261	2.98	1.49
N. Z. B. H. Q.	3	5	3	3	2	285	1.75	1.05
N. Z. M. R. Bde.	6	28	4	16	14	1398	2.00	1.14
Ayshire Bty.	2	4	-	4	3	117	3.41	3.41
Inverness "	-	2	-	2	-	123	1.62	1.62
Somerset "	-	2	-	2	-	145	1.37	1.37
D. A. C.	-	4	1	3	-	246	1.62	1.21
B. H. Q. Sc.	-	1	-	1	-	50	2.00	2.00
18th. Bde. R. H. A2	-	13	1	12	2	681	1.90	1.76
Div. Train.	6	5	-	9	2	277	1.80	3.24
Fld. Squad.	1	1	-	2	-	168	.59	1.19
Sig. Squad.	2	2	-	3	1	200	1.00	1.50
D. H. Q. Sc.	2	8	1	9	-	282	3.17	3.57
Div. Troops.	11	16	1	23	3	897	1.78	2.56
ANZAC DIVN.	35	120	13	103	39	5150	2.33	2.00

To: *War Diary*

For your information.

COLONEL
A. D. M. S.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters.
25-11-18.

①

Appendix 13

23 Nov 1918

ADMS

Amuzac

I have the honor to forward the weekly report of the Seventh Sanitary Section Amuzac for the period 17-23 Nov. 1918

No changes of personnel this week

Mr Proctor is appointed Driver under A.I.F. order 735 to date 10/10/18 this annuls previous entry as acting Driver

After a promise over the phone from HQ. ELC Ludd and of 12 ELC reinforcements they were refused when the 10 Coy details ELC were applied to we drew issued winter clothing to the 32 natives still remaining

The shortage in the gang is 18 out of 50 the regiment's leaving Egypt for overseas (? Gallipoli) did not take their sanitary natives so that Brigade gangs (supplemented at the N2 MK by local natives) are fairly patchy Divisional units HQ are chiefly

②

Disinfection In preparation for disinfection with lime two schemes are being arranged

Adaptation of a room at the local baths Richon for steam disinfection. Mainly suitable room exists but steam pipes from the boiler must be let in through the wall. The 359 Co. P.E. train is in charge of Richon & altho' I was

have seen & lime arranged meetings by phone they have not yet turned up.

They are in favour of a recently completed very effective steam disinfection plant at Jerusalem at the P.O. of W camp. Ludd fairly near the station

The original 'Thresh' still remains near the Des Corps Reinf. Camp. An attempt by them to shift it recently broke the one shaft previously unbroken & damaged the fire door.

With Staff Sgt Gansmore & Sgt Lazar invited Jerusalem on 22nd 23rd with the help of a working party from the 2nd Regt. we were able to get both through disinfectors from Railway Ormiana Jerusalem on a flat truck they should be available at Ludd tomorrow (24th) If transport is available the idea is to place them alongside the Baths at Richon

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③ MOSQUITO Report Nov 22, 23.

Small areas of water surface breeding culex in Richon have been treated with kerosene.

Corporal Blake's suggestion is an important one - All occupiers of private land on which stagnant water collects must fill in these stagnancies with earth - If ^{such an} order were enforced throughout Richon & Nes Ziona areas it would help the work greatly. Pl Blake's report is attached.

Pte Dodds visited Wade Hamun (Nes Ziona) this area has once more become a problem. In the small part of the area he was able to cover he found:

- A Pool near watering area breeding anopheles in plenty
- B in water tanks (drinking) ^{? are these chlorinated?}
- C also in deep well & cistern in the adjacent orange grove

I propose to concentrate now on this area as apparently most of the breeding is there rather than at Richon. Kerosene is being used 1/2 oz per 2 square yards - it is proposed to begin weekly doses. Richon & surrounding swamp to the west have been treated.

Harvey Sutton Capt
a.c. - Dan Lee Major

A Sanitation in the Dursum 23/XI/18

1st Bde shortages unchanged in latrine equipment
1st Machine Gun Section have no sanitary detail and no grease trap they are using open pits
General report good (Capt Jones)

2nd Bde 6 broken lids at 6th Reg remaining points good throughout (Lt Col Finch)

D. H. Q units Sigs now equipped with latrines generally good (After Dodds) including N3 transport

13th M.R. Bde very good report indeed - "A noticeable feature concerning the Brigade is the excellent condition of the smaller units in whom previously we always had trouble" (Capt Jones)

DW Team good Lines of HQ Coy (Capt Jones) Batteries etc now satisfactory (Koski)

Altogether very satisfactory. Still consider a part of the manure should be laid down on roads

Harvey Sutton Capt

Appendix 18

26/2/18

ADMS

Amracs

The Divisional Area was visited throughout by the inspectors today and the question of manure disposal and of fly breeding followed up by them.

1. Manure disposal. The universal method is to allow orchardists to remove the manure whether directly from heaps in the lines or from a general Bedouin dump (1st Bnd). The Bedouin women collect the horse droppings at the bus-train

throughout orchards were found dumps of manure some in pits but uncovered, most on the ground. It is difficult to find breeding in these heaps & the manure is very mixed with earth. After about 4 weeks a circular trench is dug around each tree and filled with the ripened manure. Thus plenty of time is given for the completion of the life cycle of the fly under suitable and undisturbed conditions. The Divisional Train cart their manure to an orchard where Bedouins at once transfer it to around the trees but this is the less common method.

2
The orchardists have the byproduct of probably 5 or 6000 horses to deal with and are finding it beyond their capacity to deal with owing to the limited labor available hence the careless dumping is universal. Further dumps are to be found in backyards perhaps alongside the human house latrine & the human excreta incorporated with the other refuse.

Manure disposal is the primary failure and needs controlling. I would suggest that units either road spread their manure (burning is increasingly difficult) or ^{directly} control the disposal of manure by the cultivator directly.

The cultivators and all occupiers of any allotment should avoid the present dumping habit and adopt at once the system of pit burial with earth packing. A pit say 9 feet long 6 feet deep and 6 feet wide is dug, the deep manure tipped in and packed down. Then 4 to 6 inches of earth tramped in on top. This method not only curbs the breeding of flies but also preserves the agricultural value of the manure. I would suggest both municipalities being informed and the cultivators compelled to adopt this method. Further, disposal by digging in all private collections.

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3
Flybreeding other sources

1. In military camps

(A) Fecal burying This is already reported occurred following a few days of heavy weather in a few units
pl. M.S.D. have open trenches

Dussional Train with new personnel of the Egyptian army started burying feces & intense breeding (maggots) was found

(B) Incineration

Around D.H.Q. incinerator definite breeding was noted

Others noted

(2) Local inhabitants

a. Feces ^{Behind} the hedges & sometimes in among the trees especially near the Bedouin camps are old and recent human fecal deposits

I have noted this well away from our camps & behind hedges with no openings thro' them

These occur at night & both Bedouins & Jews are I think responsible Jewish children especially

(3) Manure & rubbish generally are collected in heaps in backyards & no incineration occurs

4
Conclusion The appearance of this increase of flies is ~~not~~ ^{not} about fortnight later than our arrival here pointing to manure disposal as a chief cause.

The warm weather has assisted the flybreeding

In broader areas (p. 29) flies are few but around our villages they are very numerous pointing to local mismanagement by the colonists.

To get adequate results the civil population ^{needs} the chief attention & municipal sanitation badly requires bringing up to standards

Harvey Sutton ^{capt}

O.C. of Sanitation

Richon report attached going definite camp
Please return

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Inspector's Report Divisional Headquarters Nov 26th 1918

UNIT	GREASE TRAP	INCINERATOR	LATRINES	U. TUBE	LINES	MANURE	REMARKS
R.H.A. Hdqtrs	Clean	Burning	Clean	Clean	Good	Taken by Orshadits	<p>The village at Back of Sand Sect camp is particularly dirty. There is not attempt made re disposal of Rubbish or faeces. Consequently swarms of flies inhabit this Area. R.H.A. manure is taken on to Gardens at side of village. We examined three heaps finding breeding on two. At corner of Street & Ranch Rd premises occupied by Osterchewski we found in heap of excrement extensive breeding also offensive heap of rubbish. Premises occupied by Kalyta In Amze Av & Ranney Rd within 20 yds of Burys occupied by Signals D.R.S. was heap of excrement showing extensive breeding. Round Incinerator D.H.Q. also used premises to D.H.Q. by lavatory school breeding was found. G.M. promised to attend to this immediately. At back of Sigs Office on private property we found slight breeding in heap excrement. At back of houses facing one lane and within 30 yds D.H.Q. were small heaps excrement placed here by occupants of premises. Breeding was found in all heaps. Opp Military Police on private property is a very offensive rubbish heap. This is but a few places visited. In practically every private dwelling with Garden attached is a heap of manure. A big percentage are infested by fly breeding. Most of the latrines are <u>not</u> fly proof and all we visited were very offensive. There is no doubt in our opinion that the majority of the breeding is on private property and in some cases breeding is extensive outside excrement. Names quoted are but a few examples.</p>
Canteen	None only fumes	Water from D.H.Q. collects Rubbish	Using Hdqtrs	Using Hdqtrs	No Horses	No Horses	
Signals D.R.S.	Old Grease removed (New one inserted this morning)	Use Hdqtrs (Native Runners daily)	Clean	Clean	Good 2 Horses	Taken by Orshadits	
Divisional Quarters	None. Hot water running from pipe connected to kitchen system on to adjoining land. Suggested to G.M. that Grease trap be inserted at foot of pipe. Promised to attend to same	Rubbish removed daily by D.H.Q. Native	Clean	Clean	No Horses	No Horses	
D.H.Q. Camp	Clean	Burning. Flies Breeding round Incinerator, In front G.M.	Clean	Clean	Clean	Taken by Orshadits	
Military Police	Clean	Use D.H.Q.	Clean	Clean	Very Good	"	
N.Z. Hdqtrs	None (No latrines)	Use N.Z. Hdqtrs Camp	Clean	Clean	No Horses	No Horses	
N.Z. Hdqtrs							
N.Z. Hdqtrs Camp	Clean	Burning	Clean	Clean	Very Good	Taken by Orshadits	
N.Z. Transport	Clean	Using Hdqtrs (Opposite)	Clean	Clean	Good	"	
N.Z. Sigs	Clean	"	Clean	Clean	No Horses	No Horses	

Lpl Plake
 etc
 Moral
 Sigs
 at
 (not)

20

REPORT ON MALARIA IN ANZAC MOUNTED DIVISION 1918.

From January till May 1918 there were only isolated cases of malaria occurring in the Anzac Mounted Division. Most of it was probably due to infection contracted on the Mahr Anja in December 1917.

The average weekly malarial rate for this period was 3 and the highest number in one week 7.

SECOND PERIOD. May 11th. to June 15th the effects of the Jordan Valley were being definitely felt but owing to two weeks of this period being spent in the Bethlehem area it was not severe.

The weekly malarial rate for this period was 18.4 and the highest number in one week was 31.

THIRD PERIOD. June 16th. to August 4th the effects of the Jordan Valley were severely felt especially as the anti-mosquito work had not by that time become fully effective.

The weekly malarial rate for this period was 81.9 and the highest number for one week was 221.

Two weeks of this period were also spent in the Bethlehem area.

FOURTH PERIOD. August 25th. to October 5th. the beneficial effects of the anti-mosquito work in the Jordan Valley was very definitely shown and the effect of moving forward into untreated areas had not become marked.

The weekly malarial rate for this period was 46.3 and the highest number for one week 77.

None of this period had been spent in the Bethlehem area.

FIFTH PERIOD. The effects of moving into an untreated area were most decisively felt.

The malarial rate for this period was 320.7 and the highest number for one week 457.

Nearly all of this occurred in two Brigades, the 1st. and the N.Z., who spent two days September 21st/23rd. in the Jisr-ed-Damieh area before moving into the hills. The weekly rate for these two Brigades was 118.3 and 131.6 against 50.3 in the 2nd. L.M. Brigade which moved directly into the hills from a protected area. The difference is even more striking if confined to the two weeks ending October 12th. and 19th. in which most of the Jisr-ed-Damieh infection was felt. 1st. L.M. Brigade 152.5, N.Z.M.R. Brigade 180, and 2nd. L.M. Brigade 52.

SIXTH PERIOD. October 27th. to November 23rd. the ~~xxxx~~ rate had dropped again to a fairly normal figure 65.5 and is continuing to fall. For most of this period the Division was back in the Beiran area, but most of the infection was picked up in their passage back through the Jordan Valley.

The above figures are for pathologically diagnosed malaria only. Total number 2462. There were in addition a very large number of cases of pyrexia which were never diagnosed malaria. As the pyrexia curve very closely followed the malaria curve throughout the year it is probable that a large number of these cases were undiagnosed malaria, the blood parasite having been obscured by quinine. The ratio of cases of malaria and cases of pyrexia in which no parasite was found is as follows:—

	1st.	2nd.	3rd.	4th.	5th.	6th.	TOTAL.
PERIOD.	Period.	Period.	Period.	Period.	Period.	Period.	
MALARIA.	3	18	81.9	46.3	320.7	65.5	2462
PYREXIA.	9.2	24.4	71.8	142	424.7	87.75	4004

The different ratios in the fourth period was undoubtedly due to influenza which was most markedly felt about this time. In the fifth period I am of opinion that the pyrexias were mostly malaria undiagnosed pathologically. The majority of the cases did not look like influenza.

Statistics of admissions to Field Ambulances for malaria are attached. The number of deaths which took place in field ambulances from malaria were 3 of Anzac Mounted Division, the cause of death in each case being toxæmia without further complications.

Also died of malaria in Field Ambulances of Anzac Mounted Division Indians 2, B.W.Is. 1, Egyptians 2. The cause of death in these cases was also toxæmia.

EFFECT OF INFLUENZA EPIDEMIC. Except that it complicated the diagnosis, the influenza epidemic did not have any marked effect on the malaria epidemic while the cases were in the division. In almost every case the patients were evacuated before the effect of the double infection could be felt.

MALARIAL DIAGNOSIS UNITS. In the recent operations microscopic examination of blood slides proved to be of inestimable value. In every case that developed pyrexia the question immediately arose "is it influenza or malaria?" If the latter it was essential to give intra-muscular quinine at once but if this was done before a blood slide could be taken the probabilities were that the case would never be subsequently diagnosed and might be discharged without a proper course of treatment, as influenza. If influenza it might go through a course of treatment for malaria on the presumption that the quinine had obscured the parasite.

When the severe outbreak of pyrexia N.Y.D. occurred at AMMAN on October 5th. a detachment of the Anzac Field Laboratory was immediately brought up from Jericho and as many cases as possible were examined before giving quinine. Over 90% of those examined proved to be malaria.

This detachment consisting of 1 Off and 1 O/R. with all necessary equipment was brought up in a light motor ambulance and proved sufficient for the purpose.

I am of opinion that wherever possible a detachment of a Malarial Diagnosis Unit should accompany the mobile section of an ambulance in malarial country. The necessary equipment would be less than 100 lbs. and a bell tent is sufficient accommodation.

PROPHYLACTIC QUININE. The movements of units were so irregular and the areas so varied that I am unable to give an opinion as to the value of prophylactic quinine. All I have observed is that patients on large doses of prophylactic quinine do get infected and in some instances die.

TREATMENT. The treatment adopted in this Division was to give intra-muscular quinine at the earliest possible moment - Grains XII per day and to supplement it with quinine by the mouth - 40 grains per day.

On one occasion when there was a temporary shortage of hypodermic quinine the difference in the condition of the patients was very noticeable.

W. G. ... COLONEL.
A.D.M.S.
AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters,
28.11.18.

SUMMARY OF ANTI-MOSQUITO WORK CARRIED OUT BY ANZAC MOUNTED DIVISION

Period 2nd. to April 27th.

During this period the Division with the I.C. Brigade attached were responsible for the anti-mosquito work in both sectors of the Jordan Valley defences.

Mosquito squads were organised in all units and systematic work was commenced but owing to the large amount of work presenting and the relatively small number of men available for this duty no real impression was made on the work. An area map drawn up on the 12.4.18. showed active anopheles breeding to be taking place in the Aujah and Mellahah, the Tel-el-Sultan water area and at Ain Hajla. The Wadi Kelt was fast diminishing in volume and no breeding was demonstrated in it during this period. Work was suspended from the 28.4.18. to 5.5.18. owing to operations East of Jordan.

Period May 5th./10th.

Vigorous anti-malarial work was recommenced in the Divisional area which now consisted only of the Right Sector of Jordan Defences. The Tel-el-Sultan, Hajla and Nimrin swamp areas all showed mosquito breeding.

Period May 17th. to June 19th.

The Division was situated in the Bethlehem area. Mosquito breeding, mainly culex, was demonstrated in over 500 cisterns located in this area. Bi-weekly oiling was undertaken by the Anzac Sanitary Section.

Period 19th. June to 20th. July.

The Division took over the left sector Jordan Valley Defences. The closest supervision was maintained over the whole water area and mosquito breeding was at a minimum. A company of Sikh Pioneers was attached to assist in initial construction work in the central Aujah and Wadi Huciamah, the malarial squads of units being fully employed on maintenance work. Towards the close of this period no anopheles breeding could be demonstrated in the Divisional water area.

Period 21st. July to 23rd. August.

Routine oiling of cisterns was carried out in the Bethlehem area.

Period 23rd. August to 5th. September.

Routine maintenance work in Left Sector Jordan Valley Defences.

Period 5th. September to 21st. October.

The Division had control of both Right and Left Sectors Jordan Valley Defences. Considerable anopheles breeding was found in the ~~Right~~ Sector, notably in the southern aqueduct of the Wadi Kelt in close proximity to the Supply Depot and in the lower reaches of the Wadi Huciamah. A working party of 200 E.L.C. was secured to carry out the canalising necessary to control breeding in this area. This work was not fully completed when operations commenced. After 21.10.18 no further anti-malarial work was carried out in the Divisional area.

D.A.D.M.S. and O.C. Anzac Sanitary Section were responsible for the supervision and execution of the work.

[Handwritten signature]

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Return of admissions for malaria to Field Ambulances for period 5.1.18. to 23.11.18.

Week Ending.	1st.L.H. Brigade.	2nd.L.H. Brigade.	N.Z.M.R. Brigade.	Divnl. Troops.	Weekly Totals.	Pyrexia not diagnosed malaria.
5.1.18.	-	1	1	-	2	16
12.1.18.	1	-	-	-	1	9
19.1.18.	1	-	1	-	2	4
26.1.18.	2	1	-	-	3	1
2.2.18.	-	-	-	-	-	4
9.2.18.	-	1	-	1	2	4
16.2.18.	-	-	-	-	-	2
23.2.18.	-	-	-	-	-	7
2.3.18.	-	-	1	-	1	7
9.3.18.	1	1	1	1	4	11
16.3.18.	1	-	-	-	1	8
23.3.18.	1	2	1	-	4	24
30.3.18.	4	-	-	1	5	5
6.4.18.	-	1	-	-	1	18
13.4.18.	-	5	2	1	8	11
20.4.18.	2	-	-	2	4	11
27.4.18.	2	4	-	1	7	15
4.5.18.	1	2	-	2	5	7
11.5.18.	3	-	3	-	6	23
18.5.18.	5	3	5	3	16	22
25.5.18.	2	4	4	1	11	18
1.6.18.	3	6	6	4	19	16
8.6.18.	3	7	1	1	15	43
15.6.18.	4	20	1	6	31	41
22.6.18.	3	28	3	9	43	18
29.6.18.	13	15	4	12	44	24
6.7.18.	46	8	13	-	67	67
13.7.18.	20	15	57	8	100	114
20.7.18.	20	6	52	4	82	171
27.7.18.	111	35	75	-	221	53
3.8.18.	30	41	47	4	122	87
10.8.18.	13	26	14	-	53	67
17.8.18.	18	34	3	2	54	76
24.8.18.	12	8	14	-	34	121
31.8.18.	10	8	4	-	22	105
7.9.18.	15	7	-	-	22	94
14.9.18.	26	14	-	-	40	130
21.9.18.	30	6	6	-	42	265
28.9.18.	31	14	32	-	77	237
5.10.18.	18	19	37	4	75	678
12.10.18.	150	42	233	32	457	798
19.10.18.	165	68	127	29	389	93
26.10.18.	40	41	35	-	116	130
2.11.18.	43	23	10	23	99	126
9.11.18.	19	16	4	3	42	96
16.11.18.	29	17	7	9	62	54
23.11.18.	34	9	6	2	51	73
TOTALS	926	558	810	168	2462	4004

Appendix 16.
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AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Return of sick, by regiments, admitted to and evacuated from Field Ambulances of Division for week ending Saturday 30.11.18.

FORMATION.	REMG.	ADMITTED.	TO DUTY.	EVACUATED.	REMG.	STRENGTH.	WEEKLY ADM.	% OF EVAC.
1st. L.H. Regt.	4	12	3	10	3	371	3.23	2.69.
2nd. L.H. Regt.	-	-	-	-	-	168	-	-
3rd. L.H. Regt.	2	3	2	3	-	305	.98	.98.
1st. M.G.S.	-	3	-	3	-	166	1.80	1.80.
1st. B.H.Q.&c.	2	1	1	1	1	231	.43	.43.
1st. L.H. Bde.	8	19	6	17	4	1241	1.53	1.36
5th. L.H. Regt.	-	-	-	-	-	-	-	-
6th. L.H. Regt.	6	9	2	4	9	462	1.94	.86
7th. L.H. Regt.	-	-	-	-	-	-	-	-
2nd. M.G.S.	3	4	3	2	2	207	1.93	.96.
2nd. B.H.Q.&c.	3	1	4	-	-	279	.35	-
2nd. L.H. Bde.	12	14	9	6	11	948	1.47	.63.
A.M. Rifles.	3	4	1	4	2	519	.77	.77.
C.M. "	-	1	-	1	-	-	-	-
W.M. "	5	5	1	9	-	471	1.06	1.91.
N.Z.M.G.S.	4	1	2	3	-	203	.49	1.47.
N.Z.B.H.Q.&c.	2	3	1	3	1	288	1.04	1.04.
N.Z.M.R. Bde.	14	14	5	20	3	1481	.94	1.35.
Ayrshire Bty.	2	3	-	4	1	122	2.45	3.27.
Inverness "	-	1	-	1	-	127	.78	.78.
Somerset "	-	3	-	3	-	142	2.11	2.11.
D.A.C.	-	5	-	1	4	244	2.04	.40.
B.H.Q.&c.	-	2	-	2	-	45	4.44	4.44.
18th. Bde. RHA.	2	14	-	11	5	680	2.05	1.61.
Div. Train.	3	10	-	9	4	284	3.52	3.16.
Fld. Squad.	-	2	-	2	-	185	1.08	1.08.
Sig. Squad.	1	1	-	1	1	206	.48	.48.
D.H.Q.&c.	-	6	1	3	2	247	2.42	1.21.
Div. Troops.	4	19	1	15	7	922	2.06	1.62.
ANZAC DIVN.	40	80	21	69	30	5272	1.51	1.30.

To/ *Wardian*

For your information.

COLONEL.
A.D.M.S.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

Headquarters.
2.12.18.

Appendix 17

30 Nov 1918

ADMS Anzac

I have the honor to forward the weekly report of the Seventh Sanitary Section for the period 24-30 November:-

Personnel:-

The following reinforcements arrived from the NZMFA & rejoined Section

29 Nov 1918: 3/95 a	Staff Sergt WILLIAMS W.A.
3/1008	Pte CANTON W. M.M.

29/11/18 Mr Permain proceeded to Port Said on duty. Hope to have him admitted to the Convalescent Camp there

30/11/18 Owing to Staff Sgt Williams rejoining the Section Sgt (T.M.) HEATON H reports to Sp4 Corporal acting Sergeant Sp4 Corporal Jamieson W.F. to Driver and Driver Proctor to Troop.

Sanitation in the Division

At the Friday inspection units were found in a satisfactory condition. A few details on certain units are not yet fixed up.

The following units are not up to the mark

- 2nd Bde H.Q. { Incinerator not burning properly
- { Feces buried
- { No permanent sanitary detail
- 13th San Coy has this what

pl machine gun Squadron - Feces tipped into hole

Recent latrine trenches not properly sealed
no permanent sanitary detail

saw 30 permanent sanitary detail appointed
5 peatles supplied

1st Regiment were using trenches - latrines invented by but not opt obtained from Ordnance

4th Coy. Div. Train detected burying feces. The Egyptian army have taken on the work and are still liable to error

Divisional H.Q. appears to be too complex a camp for one sanitary detail to supervise properly. The cookhouse refuse traps are often missed and the units are not all up to standard. Could a permanent detail be appointed here while in position.

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Appendix 18

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION

Analysis of A 36 for month of NOVEMBER 1918.

M E D I C A L

S-U-R-G-I-C-A-L

Date.	BRIG DE	Gastritis	Gastro-Enteritis	Enteritis	Tonsill.	N.Y.D. Pyrexia.	Debility	Malaria	Miscell.	Trauma	Septic Sores.	Veneraal Disease.	Miscell.
2.11.18	1st.L.H.Bde.	-	-	3	1	50	-	43	2	-	-	-	2
	2nd.L.H.Bde.	-	-	5	-	28	3	23	5	1	1	2	8
	N.Z.M.R.Bde.	2	1	8	2	33	4	10	7	5	1	-	3
	Div.Troops.	-	-	1	-	15	1	23	-	-	1	3	1
9.11.18	1st.L.H.Bde.	1	-	4	-	25	2	6	1	-	-	-	1
	2nd.L.H.Bde.	-	-	4	-	23	-	16	3	-	-	3	4
	N.Z.M.R.Bde.	1	-	4	1	22	2	4	2	2	-	3	1
	Div.Troops.	-	-	-	-	16	1	3	-	-	-	4	2
16.11.18	1st.L.H.Bde.	-	-	-	-	10	-	29	3	3	-	-	-
	2nd.L.H.Bde.	-	-	1	-	13	1	17	5	-	1	1	4
	N.Z.M.R.Bde.	-	2	3	3	14	1	7	3	6	-	3	3
	Div.Troops.	1	-	2	-	17	-	9	1	1	-	-	2
23.11.18	1st.L.H.Bde.	-	-	1	-	15	-	26	2	1	-	1	3
	2nd.L.H.Bde.	-	-	1	-	11	3	5	-	1	-	-	1
	N.Z.M.R.Bde.	1	-	3	1	13	-	5	5	2	-	-	2
	Div.Troops.	-	-	2	-	6	2	15	2	-	-	-	3
30.11.18	1st.L.H.Bde.	-	-	-	-	5	-	15	-	-	-	-	-
	2nd.L.H.Bde.	-	-	-	-	3	-	1	2	6	1	1	1
	N.Z.M.R.Bde.	-	1	1	2	12	1	1	-	5	-	1	1
	Div.Troops.	-	-	2	-	14	1	6	1	1	1	-	3

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Major.
D.A.D.M.S.

AUSTRALIAN AND NEW ZEALAND MOUNTED DIVISION.

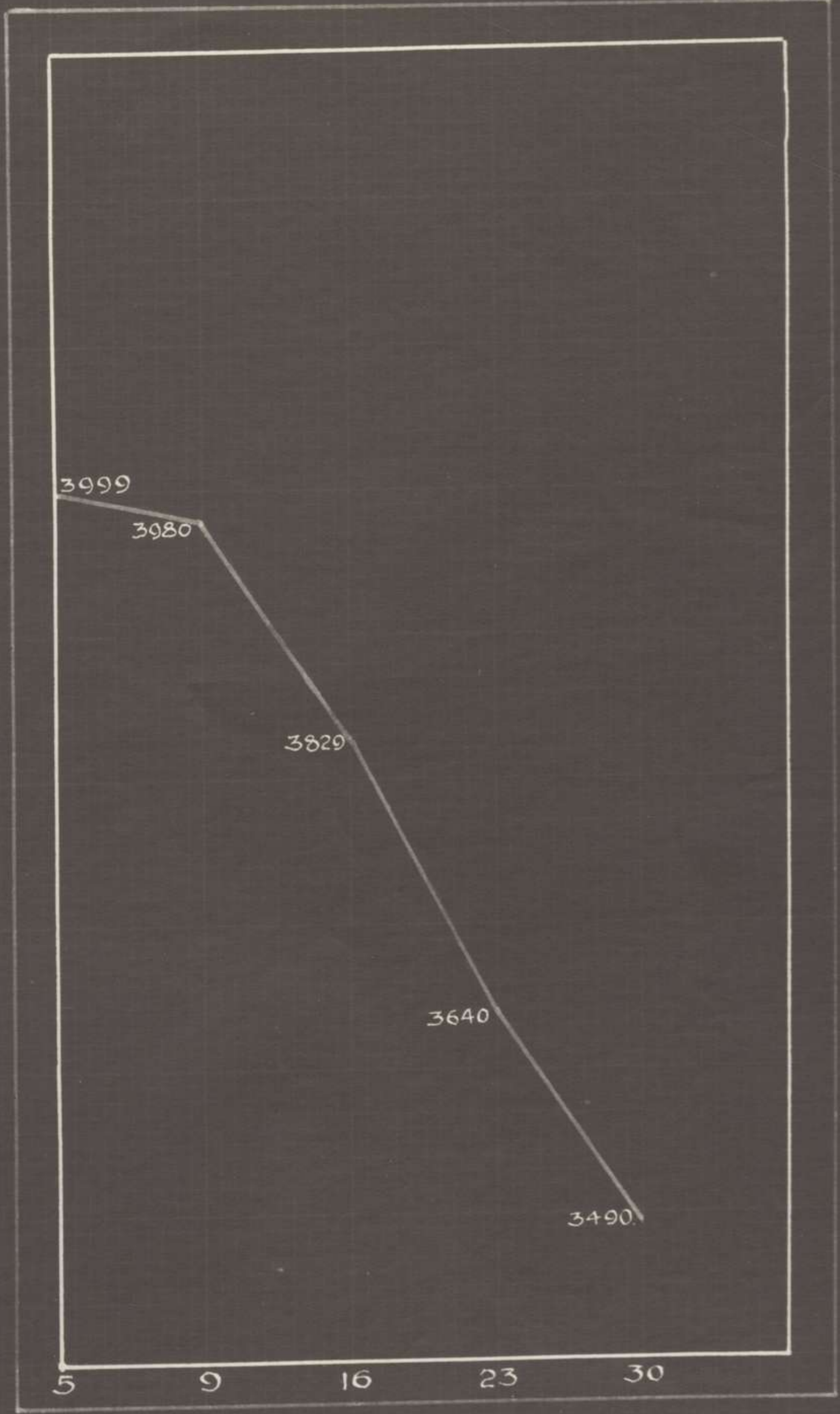
Headquarters.
12.12.18.

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N114/A 253
Nov 18

AIF-IN-HOSPITAL.

Including Bearded Envalids



November 1918.