

AWM4

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

Medical, Dental & Nursing

Item number: 26/76/22

Title: 1st Australian Sanitary Section

June 1918



AWM4-26/76/22

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~~DUPLICATE.~~

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Australian Imperial Force.

WAR DIARY

OF

1st Australian Sanitary Section

FOR

June. 1918

Signature of Officer compiling

Dep't Rossan capt.

Signature of Officer Commanding

Dep't Rossan capt.

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1st
AUSTRALIAN
SANITARY SECTION.
No.
Date

WAR DIARY
OR
INTELLIGENCE SUMMARY.

(Erase heading not required.)

CONFIDENTIAL - Original Army Form C, 2118.

1st San Sect
June

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
St Gratien (Sheet 62D)	1/6/18	9 a.m.	Transport arrived to move section from village of St Gratien to outskirts of the village in sheltered wood.	
B.27.C.4.8	1	12 noon	Office in village closed and reopened at B.27.C.4.8. U.S. TO Corps F.P. Compound at Poulainville. Suggested improvements re new latrine site. Indents forwarded to D.O.M.S. for material for meat safe and delousing chamber. Tents at new camp being dug around to protect from bombs. New system of registration of documents correspondence etc in the Unit commenced. Necessary files to be transferred from old register and old correspondence despatched to Base.	
	2/6/18		All personnel of the Section at Headquarters employed on arrangements connected with new camp. Cookhouse and small workshop erected. Latrines and urinals installed. Monthly Sanitary Report of this unit for May stated manure was being dumped at horse lines to make bomb shelters for horses and this practice was not recommended. D.O.M.S. Corps stated "there was no objection as it was economical, if tightly packed."	H.R. H.R.

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St Gratien	2/6/18		Reply sent to Doms that units would be advised otherwise in future. Reason for dislike was that it was never tightly packed but only dumped (S/5 1 San Sect)	A.R.
	3/6/18		O.L. to Pontoyelles to inspect manure dumps. Notes sent to Area Commandant re more supervision of them. Suspected lines of 14 th Bde H.Q. and 16 A.A.S.C. requested manure take removed from horse lines daily.	
			Thence to 2 Aus Div Reinforcement Camp, recommended an incinerator (pit type) and flyproof latrines	A.R.
	4/6/18		O.L. round all R.A.P.s and front line with O.A.D. M.S. 2 Aus Div. Cardonnette Baths inspected. Suggested corrugated iron flooring and grease trap to be installed.	
			Inspected Cardonnette water Point and N.E. Dump Poulainville. Bonforts for the men received from 2 Aus. Div. Comforts Fund, representative. - oatmeal, milk, sugar, soap, towels, soap tobacco and cigarettes.	A.R.

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<u>St Gratien</u>	5/6/18		<p>Visited Baths at M.D.S. H.10. c. (Sheet 62D) - suggested improvements in method of treating the effluent. Wrote to Baths office re following baths;</p> <p>Baths at H.11. b. 8.3 - suggested corrugated iron flooring, soap trap thence lead to a sump pit or disposed of by alternating trenches. Also a latrine for men bathing to be installed.</p> <p>Visited area commandant Pontroyelles and subsection men.</p> <p>Inspected Baths at Pontroyelles - grease trap required.</p> <p>Inspected water points at La Haussaye and Franvillers. The men on duty at each point had received no instructions re chlorinating water tanks for use in dixies etc.</p> <p>Saw to burying of a dead horse on Henri Court - Corbie Road.</p> <p>Visited subsection personnel at Bormay Railway Crossing thence Baths at I.18. a. 2.2. where found that floor of duckboard was nailed to corrugated iron and immovable, 4 sprays needed repairs.</p> <p>Visited baths at Heilly which are being moved to Franvillers.</p> <p>Saw Engineers Rest Station for P.V.O. cases in a billet at St Gratien sprayed.</p>	<p>HRW</p>

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St Gratien	5/6/18		<p>Sidcar to Workshops for repairs of Broken spring. Wrote to ADMS that latrine buckets for front line were ready for issue. Also to asked that they be regarded as French Stores. Wrote to ADMS re latter point who advised they were French Stores and said to inform relieving divisions.</p> <p>Ford returned from Workshops but dropped 2 bolts from differential on journey. Received from H.Q. Aus Corps (197/278) Instructions for Water Point duty men copies sent to Divisions and Area Commandants. Instructions were based on suggestions sent from this office on 25th ult (copy attached).</p>	
	6/6/18		<p>Wired 2 M.T. Coy to send bolts for Ford on return of sidcar. Memo from ADMS to inspect P.O.W. cage and expedite work at F.P. Compound Poulainville. Copy of A.A.M.C. Standing Orders. Wrote to all Area Commandants and Town Majors re 4 Army R.O. 2019 and asked if any advice was needed to help carrying out the order. (Copy attached) Affirmative replies received from all.</p>	AR. AR.

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St Gratien	6/6/18		A.C. Pontoyelles asked if 16 coloured troops attached to a unit were included within terms of order. Forwarded to ADMS who replied "not in my opinion".	
			ADMS 2 Aus Div wrote to HQ. for ruling re dealing with French troops as regards sanitation. G.O.C. 2 Aus Div advised interview with Joseph M.O. when occasion should arise.	
			Sidecar front workshops. Dehousing chambers built at St Gratien inspected. 2 men reported for the working of it.	AR
	7/6/18		H.C. inspected dehousing in working order. Bivouacs in Bois de Mai sprayed. Public well Altonville (Rue des Anges) retested. Now requires 1 scoop. Relabelled.	
			H.C. detailed to supervising working and any additional construction for dehouses. Found it impossible to tell chats in new chambers within specified time (35 mins) - 1 hour was required at first but later on 45 mins was sufficient.	AR

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St Gratien	7/6/18		<p>Ob. to Prisoners of War Camp. Recommendations made: Dig deep pit latrines and urinals. Indent for flyproof latrines, Ablution Bench, construct grease traps and use disinfectant. Indents forwarded to ADMS for Latrines Ablution Bench, Meat Safe, Water Tank. Copy of report to D.D.M.S.</p> <p>Inspected F.P. Compound. Suggested: (a) Staff part: deep pit latrines, urinals horse ablutin Bench, construct grease trap sullage pit, fill in old pit.</p> <p>(b) F.P. Yard: Ablution Bench, deep sullage pit. 100-gall tanks indented for.</p> <p>(c) Safe Custody Yard: deep pit latrines, urinal, ablutin bench, sullage pit.</p> <p>Covers for water storage tanks. Move Horse stable.</p> <p>All water points in area visited and capacity of tanks for holding water for dixies petrol tins etc checked.</p> <p>Memos sent to all Area Commandants and Town Majors re the amount of Bleaching Powder required in each tank. Ask for water duty man at I.I.d.P.S.</p> <p>ADMS 2 Division advised that memos sent to Town Majors.</p> <p>RMS. 4 A.F.A. 13de called to ask for Sanitary instruction to be given to his details as they were new men. Ob. to send S/Sgt if date is advised</p>	<p>at I.I.d.P.S.</p> <p>AR 6</p>

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St Gratien	8/6/18		<p>O.b. to 77th Sanitary Section with 2 N.C.O.'s to examine debouche and seek explanation as to faultiness of one in constructed at St Gratien. Decided to replace Canadian stones by oil drums and increase draught.</p> <p>O.b. to Francaillers Lattaussoye and Pont. Hoyelles to inspect ^{interview} Area Commandants of Dam Majors re Army R.O. 2019. Thence to Subsections at Heilly and Bonmay. Water Point at I.I.D.P. 3 being dismantled. Saw A.D.M.S. and cancelled instructions re man to be detailed for duty.</p>	AR
	9/6/18		<p>Report sent to D.M.S 4 Army D.D.M.S Corps re debouche at St Gratien</p> <p>O.b. to D.A.D.S 2 Div re supply of Hessian, bags and canvas clothing for cooks.</p> <p>D.D.M.S and D.A.D.M.S Corps called. Inspected camp</p> <p>O.b. notified to visit F.P. Compound every day and expedite construction of sanitary improvements.</p> <p>Ford Car to Wisy thence to St Owen for Tyres.</p>	AR
	8/10/18		<p>14722 Pte Stewart S.C. evacuated C.C.S. with P.V.O. Struck off strength</p>	AR



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St Gratien	10/6/18		<p>U.b. visited F.P. Compound and P.O.W. Cage. At the former place the men were not working owing to slight rain and the U.C.O. said it was in order for them not to work in the rain. U.b. told O.M.S. who arranged that men should work in rain. Opl wheat attached to the compound to superintend the expedite the construction work.</p> <p>U.b. to Saluz 77 San Sect with U.C.O. and saw delousing chamber in working order. Chamber at St Gratien not satisfactory so underground air feeds to stoves were constructed.</p> <p>U.b. saw A.D.M.S. 5 Aus Divⁿ to arrange for transport for rations after the relief of 2 Div by 5 Divⁿ. Details of arrangements for collecting biscuit boxes from the dumps. Also asked for a plumber and a carpenter to be attached. Wrote to 2 Div Train and CRE 2 Aus Division that manure was not being carted from stables at St Gratien to the manure dump.</p>	

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At Gnatien	11/6/18		<p>U.B. to 137 Heavy Battery R.G.A. lines at Pontroyelles re manure disposal. Thence to Area boundit resporaging of ponds.</p> <p>U.B. to G nemire re manure dumps. Subsections at Pontroyelles and Heilly visited.</p> <p>Met D.G. M.S. A.I.F (Gen Ietherstone) and D.M.S. A.I.F (Gen Howse). Conducted them to 14 Field Ambulance.</p> <p>Thence to F.P. compound where work was progressing. Bisant Box latrines and buckets taken over for temporary use by them.</p> <p>Thence to Coiry with water notices. Inspected P of War Cage.</p>	AR.
	12/6/18	a.m.	<p>U.C. with D.A.D. M.S. 2nd and 5th Aust Div? visited front line and aidposts. Carto Buise visited R.A.P. Thence to Freux R.A.P. - Mount Wood R.A.P. (28th Bn) - R.A.P. of RI Battalion thence to the R.A.P. of Support Battalion and to A.D.S. at Vaux and Bannay.</p> <p>p.m. U.B. to P.O.W. cage Parlainville and F.P. Compound. at latter place ablution benches had arrived and latrines had been installed at former. Water inspector returned from Coiry.</p>	AR.

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St Gratien	13 6 18		<p>Delousing chamber at St Gratien, not working successfully, although the heat generated was much more disseminated. The fitting of the door was altered (for details, see appendix). U.B. to Ribemont, Meincourt, Barnay. Visited Area Comdt and subsection at Pontboyes. U.B. to P.O.W. cage and Field Punishment Compound thence to Poulainville R.E. Dump re supply of latrine seats. Enquiry from D.M.T.S. re disposal of sidecar combinations on charge to the unit.</p>	<p>WR.</p>
	14 6 18		<p>3 grease traps completed and taken to F.P. Compound Delousing building at F.P. Compound</p>	<p>WR.</p>
	15 6 18		<p>Tax for interiors of latrine buckets and grease traps received from R.E. U.B. to Poulainville Railhead. Urinal at Officers latrine to be installed. D.D.M.S. asks requirements of seats to complete Area. Replied that approximately 300 holes (10 5-seaters 40 4-seaters, 45 2-seaters) would complete. Single seats not required as unit can make them</p>	<p>WR.</p>

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St Gratien	12/6/18 14/6/18		<p>C.B. 5 Aust Sanitary Section called to see pattern and type of latrine bucket made by this unit for use in front line system.</p> <p>Plumbers from 5 Aus Sanitary Section visited to see latrine bucket and obtain pattern.</p> <p>C.B. inspected delousing chamber at St Gratien with D.A.M.S. 5 Aus Div, and C.C. 15 Aus Fld Ambulance.</p> <p>Memo from D.M.S. Corps to inspect all water points and see if picquets are in possession of Aust Corps "A" 197/278. C.B. to Trannillers & La Haussoye Water Points where picquets had copies of order.</p> <p>Thence to Pont Royelles and Frechenourt Rd Points where picquets had not copies of the order.</p> <p>Area Commandant informed and asked that copies be supplied to these water picquets.</p> <p>Thence C.C. to P.O.W. Camp and F.P. Camp.</p>	<p>AR.</p> <p>AR.</p>

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At Gratiem	17/6/18		<p>14722 Pte Stewart J. B. rejoined unit from Hospital (superannuated to ^{establish} strength).</p> <p>V. B. to Franillers and Port Hovelles Water Points. Suspected B.A.C. lines at Frechen court. Thence to Frechen court and St Gratiem Water Points. Allonville Water Point and Area Commandant to enquire why water picquet was not in possession of orders from Aust Corps. Cardonnette Water Point and Baths visited = Coisay Water Point. Again picquets were not in possession of copy of Aust Corps order. Thence to F. P. Compound.</p> <p>Reported to 500th Corps as requested re Water Points.</p> <p>Wrote to all Area Commandants concerned.</p> <p>Large 4 ft square grease trap prepared for Cardonnette Baths. Baths officer advised to collect.</p> <p>Staff Sgt held a class of instruction for Sanitary Details of 4 A.F. A Bde at request of M. O. Points touched on were: General sanitation of camps particularly latrines and manure and improving of various sanitary appliances.</p> <p>Sidocar broke down.</p>	<p>AR.</p> <p>AR.</p>

18/6/18

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St Gratien	19/6/18	3p.m.	<p>Camp and workshops inspected by Corps Commander and Doms Aust Corps. Various sanitary appliances viewed and Corps Commander expressed himself as well satisfied with the work being done.</p> <p>Well Billet 96 St Gratien: Sample was tested and pronounced as contaminated (marked 'UNFIT' by this unit) Examination by 12 mob lab.</p> <p>River Anne at BONNAY. Result of water analysis: Good for drinking after chlorination but not recommended owing to liability to Pollution. Good water available No 1 Billet BONNAY.</p>	
	20/6/18		<p>U.C. to 2 M.T. Coy at Coisy re removal of sidecar. Instructed to despatch sidecar to Coisy and arrangements were made to remove it to St Ouen (20 miles further on).</p> <p>On arrival at Coisy Ford was despatched to St Ouen. Protest made to Doms as Ford was required to inspect water supply at Bonnay (see above A-6-18)</p> <p>Protest not forwarded by Doms because definite instructions were not given by U.C. San Sat. to Ford driver, not to proceed past Coisy</p> <p>Grease trap for Caromette Bath's collected.</p>	<p>RR.</p> <p>RR.</p>

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St Gratien

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Driver of sidecar recalled to 2 m.T. Calumet workshops
Indent for material for erecting Public latrines at Bathes and
along main thoroughfares forwarded and approved.

Ob. to inspect No 1 Billet at Bormay.

Report sent to D.D.M.S. Corps suggesting that a paragraph
be inserted in C.R.O. forbidding water carts to fill from the Anere

Also that a pump and tank be erected at No 1 Billet Bormay.

To A.D.M.S. 5 Aus Div. asking for a paragraph in D.R.O.s
Water Supply Officer replied that a pump was to be erected in
such a way as to facilitate filling of water carts but the
present demand did not warrant a tank.

W.R.

[Memo from A.C. Poulainville: Ref 4 Army P.O. 2019 asking if ponds
used by civilians for watering stock are to be sprayed.

D.D.M.S. replied in negative.] Memo sent to all area
Commandants.

Reports received from water Picquets re low chlorination of carts
at Ballaussoye and Boisy Points.

W.R.

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St Gratien	22/6/18		<p>Memo from Div Baths Officer asking Section to instal grease trap made by them for Cardonnette Baths. Reply sent that a h.c.o. would be sent over to supervise installation.</p> <p>Memo to Area Commandant Paulainville asking for latrine to be dug at Coisy Baths - authority to collect a five-seater from Paulainville dump sent.</p> <p>Grease trap ^{recommended} for Coisy Baths.</p>	PR.
	23/6/18		<p>Water inspectors posted near St Gratien and Frechenant Water Points to test carts leaving the points to see if chlorination had been carried out. ^{Frechenant}</p> <p>About 40% of the carts were not chlorinated.</p> <p>Memo from D.S.M.S. Corps asking were front line trenches inspected by this unit on relief of 2nd Div. by the 5th Div? Replied NO, that [the inspectors did not work further forward than R.A.P.'s on regular inspections Ask D.S.M.S. did he wish personnel to go further forward than R.A.P.'s and he stated 'No']</p>	PR.

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<i>St Gratien</i>	<i>23/6/18</i>		<p>Manure dump at St Gratien not being satisfactorily attended to. Asked Area Commandant to station a man to stack and tightly pack manure as it was dumped. Suspected Querrien Baths (Lt. H. G. S. 3) and found recommendations of this Section had not been carried out and responsibility was shifted denied by Corps and Div. Baths Officers both of whom had been communicated with. File sent to D. P. M. S. Corps H. Q. replied that Baths were to be dismantled on 26 inst. Plans of G. H. Q. collapsible latrines forwarded by C. E. Corps for comments and suggested alterations. Forwarded to Water Inspector at Port Joyelles and Frechenourt Rd Ponto testing carts for chlorination. 38% found not chlorinated. Ob. to Frechenourt Manure Dump and Incinerators, Frannillers Baths in course of erection) Bounay and Mericourt. 1 of men from subsection brought home sick with P. O. O. Influenza. C. C. arranged with S. D. O. 3 Ans Div for supply of biscuit boxes and tins (3rd Div believed by 2 Div^{rs})</p> <p>[Water carts from Frannillers and Lattaussoye Ponto ^{tested} 75% not chlorinated]</p>	<p><i>NR.</i> <i>NR.</i> <i>NR.</i></p>
	<i>24/6/18</i>			
	<i>25/6/18</i>			

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St Gratien	26/6/18		<p>Water carts from Cardounette and Allowville Water Points tested. 30% not chlorinated. In all cases unit written to.</p> <p>Advised A DMS 50th 30 more trench latrine buckets were ready; asked how many more required to complete front line.</p> <p>Suspected P.O.W. cage at Framillers - advised a latrine</p> <p>Advised Tom Major to call for latrine for Batts at Framillers</p> <p>U.S. then to Ribemont, Heilly and Mercourt and 5th San Sect.</p>	AR.
	27/6/18		<p>Water carts examined at Caigy Point. 15% not chlorinated. Also 60% without chloride of lime on cart</p> <p>U.S. to Caigy M.T. Coy asking for return of side car driver for duty on Ford as Ford driver was sick with Influenza.</p> <p>Grease trap at Cardounette Batts not installed. Reports sent to Hq 2 Aus Div. Wrote to A DMS 3 Aus Div. asking for it to be installed</p> <p>Particulars re delousing chamber forwarded to 6 Aus Div Bde at request of Staff Captain.</p> <p>Katami put in at St Gratien Batts.</p>	AR.

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St Gratien	28/6/18		Ob. to Heilly, Boumay and La Haussoye. Baths at Querrier (H. U. G. P. 3) inspected. Not in use. Experimenting with delousing chamber. Constructing flues for feeding fire from outside (St Gratien chamber)	A.R.
	29/6/18		Particulars and Plans of Delousing chamber sent to Rhw 30 as Inf Battalion. An inspector brought back from La Haussoye to Headquarters sick in fevega.	A.R.
	30/6/18		Corps Baths Officer called re erection of public latrine at Cairn Baths. Area commandant Poulainville has advised us that he had received latrine from R.C. Dump on 24 inst. Another inspector sent to La Haussoye.	A.R.

WAR DIARY

OF

1 Aust Sanitary Section

FOR

June 1918

LIST OF APPENDICES.

No.	Subject.
1.	<i>Co's report on General Condition of Unit.</i>
2.	<i>Monthly Sanitary Report.</i>
3.	<i>Report on Imprisoned Detained</i>
4	<i>Aust Corps Order 197/278.</i>
5.	<i>Orderly Room Cases.</i>

1st
AUSTRALIAN
SANITARY SECTION.

b.o.'s Report on
~~WAR DIARY~~

Army Form C. 2118.

110

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.

General ~~Condition~~ of Unit
(Use heading not required.)

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
May June 1918.			<p>The strength of Unit has been 1 in excess of establishment except for about 10 days when 1 man was evacuated as far as C.C.S. with P.V.O. but again rejoined the unit.</p> <p>In addition there have been 4 cases of P.V.O. influenza which have been attended to at the Unit.</p> <p>Discipline is <u>good</u> - only 1 orderly Room case for a/w/pl.</p> <p><u>Rations</u> and <u>food</u> have been well up to the standard.</p> <p>Gifts from comforts Fund such as oatmeal, milk, sugar, and bottled meat were a very welcome addition.</p> <p>Green vegetables have also been an a.s.b. issue.</p> <p>The Regimental Funds of Unit were credited with £1-17-6 for fat saved during May.</p> <p><u>Blotting</u> and <u>podnance</u> services have been <u>good</u>.</p> <p>The Sidecar Combination frame was broken on 18th - car was evacuated and so far has not been replaced.</p> <p>This machine was issued on 1 May and approximately for</p>	

D. D. & L., London, E.C.
(A8004) Wt W1771/M2031 750,000 5/17 Sch. 52 Forms/C2118/14

APPENDIX

AR 1. 20

1st
AUSTRALIAN
SANITARY SECTION.
No.
Date:

WAR DIARY
or
INTELLIGENCE SUMMARY.

Army Form C. 2118.

110

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.

(Erase heading not required.)

(Cont)

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
			<p>7 weeks was at disposal of this unit. It was a second hand machine when issued - Its loss has greatly inconvenienced routine.</p> <p>The Ford Car ran well during the month.</p> <p>A copy of monthly sanitary report is appended.</p> <p>When full improvements are put into debussing chamber a new design will be forward.</p> <p>The type of trench bucket used by this section was inspected by 5 Aus Sanitary Section with a view to the pattern being adopted. with</p> <p>Models ^{of buckets} will be sent as soon as possible</p> <p>Appended is a list of improvements put into debussing chamber up to date (supplied by P.C.O. Supervising construction)</p> <p style="text-align: right;">Jeph Clayton Capt</p>	

APPENDIX. 1. 21

SANITARY REPORT FOR JUNE 1918

POULAINVILLE, ALLONVILLE)
 St GRATIEN, PONT NOYELLES) AREA FOURTH ARMY
 "C" DIVISIONAL)

1st Australian Sanitary Section1. BILLETTS AND OTHER QUARTERS

- (a) Nature. Tents, shelters and improvised bivouacs are used for the most part. These are situated either in the open or are in woods. Troops are as a rule not being billeted in any forward villages. Some billets are being occupied in the first two parts of the Area mentioned above.
- (b) Ventilation. Good.
- (c) Overcrowding. Nil
- (d) General Condition. Satisfactory.

2. WATER SUPPLY

- (a) Water Points are the main source of supply in the Area. The water for these is derived from springs or bores. In addition there is a well supply in all villages. All water points in the Area (enumerated below) are in working order and small tanks of chlorinated water for filling petrol tins and dixies etc, are available at each point. The capacity of these tanks varies from 50 to 200 gallons. Area Commandants and Authorities concerned have been advised as to the amount of Chloride of Lime to be put in each tank. Some of these tanks have covers and a recommendation that all tanks be supplied with covers (instead of improvised hessian tie which is not satisfactory) was forwarded and is under consideration.
- The small tanks are chlorinated by the Water Picquets and are left chlorinated over night.
- The River ANCRE was being used for filling carts etc, and the Mobile Laboratory on being requested for a report stated that though the water was fit for use after chlorination, its use was not recommended owing to possible contamination. This was promulgated to the Division in this Area and a paragraph was inserted in Div. Routine Orders; (Copy attached)
- A pumping arrangement for a supply from a good well in BONNAY, so that water carts may fill, is receiving attention.
- (b) i. All water points and isolated wells have been tested and practically all wells in each village.
- ii. Wells and water points have been labelled and according to the quality of the water have been marked "Unfit for drinking" or the number of scoops of B.P. is shown.
- iii. Water carts have been inspected periodically just after leaving the water points. Irregularities of Water Discipline have been brought to the notice of units concerned and in some instances the reports have been sent to the formation administering them.
- iv. Water duty men are posted at each Point and are under control of Area Commandant or Division according to the location of the Point.
- Definite instructions were issued by Corps Headquarters at the beginning of this month as to the scope of their duty, the main feature of which was to ensure that each cart was chlorinated at the Point and report any cart failing to do so; also to chlorinate small tanks. Some slackness on the part of Units with regard to Water Details being present on the cart to perform chlorination was noted and not infrequently carts came to the Point with Alum Powder.
- There has been an increase this month as compared to last month in respect to the number of carts found not chlorinated. Action has been taken in all cases brought to notice.

2 WATER SUPPLY (Cont)

- (b) Water catchment area for standpipes is satisfactory as in nearly every case the source is a spring which has been wired off and steps taken to prevent possible pollution;
- (c) Water Points are situate as follows;
- | | |
|---------------|----------------------------------|
| ALLONVILLE | Chateau Grounds |
| CARDONNETTE | G. 5.d.0.8. |
| COISY | A.26.b.9.2. |
| PONT NOYELLES | H.18.a.1.1. |
| FRECHENCOURT | H.12.a.7.3. |
| ST. GRATIEN | B.29.b.1.1. |
| | B;27.b.9.4. |
| LA HAUSSOYE | I. 2.d.6.5. |
| FRANVILLERS | C.29.c.0.3. |
| | C.28.c.4.5. |
| BONNAY | I.17.c.cent (Pump being erected |
- Point at I.1.d;7.3. was dismantled early in the month.
There is a filling tank at HEILLY.

3. FOOD AND COOKING

- (a) Quality and variety of the food is good. Green vegetables have made a beneficial addition to ordinary diet.
- (b) Food supplies are kept in hessian bags and improvised safes. Small meat safes made from biscuit boxes and protected in front with hessian or butter muslin (preferably the former) are now being made and issued to units by this Section.
- (c) Cookhouses and cookers generally are clean and satisfactory.

4. BATHS

Hot Showers are used for the most part and there is a hot tub bath at MERICOURT. Baths are situate as follows;

MERICOURT	BONNAY (I.18.a.2.2/)
####	(###/###) LA HAUSSOYE (I.2.d.8.4.)
COISY (A.26.b.9.4.)	CARDONNETTE (C.5.d.0.8.)
QUERRIEU (H.17.c.8.9.)	& M.D.S. (H.10.cent.)

Also baths are in course of erection at;

ST GRATIEN and FRANVILLERS near the Water Points;

Clean changes of clothing are given in exchange for the dirty clothes handed in at the time of bathing.

5. LAUNDRIES

The laundry work of the Division is done at ABBEVILLE.

6. DISINFECTION.

The Steam Foden Lorry is on duty at the M.D.S. for the disinfection of blankets;

A Delousing Chamber was visited at SALEUX and as a result one was built at StGratien at the clothing Store, and another was put in at the Field Punishment Compound at Poulainville.

The chamber at St Gratien was not successful at first and numerous experiments were tried; Underground airfeeds were found to be absolutely necessary and oil drum stoves proved much more efficient than Canadian Stoves. It was also found that 40 mins. was necessary for the first charge and that 30 mins. thereafter was sufficient to kill the eggs.

This type of delousing chamber promises to be successful but-

- i. Care is needed in the construction of the chamber in order to have the door airtight. feeds
- ii. There must be a free supply of air in the underground ^
- iii. Care must be taken in stoking the fire as it is rather liable to choke if fed too hurriedly.

Another chamber is being built at the M.D.S. and it is suggested to instal them at all baths.

The spraying of stagnant water is being carried out by Area Commandants and Town Majors respectively ; advice has been given as required to help in the carrying out of this Order.

7. LATRINES AND URINALS

Deep pit latrines are in use in this Area.

Many open pit latrines have been rendered flyproof and it is estimated that about 200 more holes will sufficiently equip this Area. Large supplies of latrines have been available from the Workshops and these have been supplemented by the biscuit box type made by this Section.

40 Special type seat and bucket have been sent forward to the front line and 30 more are now awaiting collection. Including these 70 seats a total of 297 biscuit box seats have been issued during this month.

Public Latrines and Urinals are erected in all villages at the Railhead and at some of the baths. The new Baths are being fitted with latrines and urinals and it is then proposed to put a few public latrines along main traffic routes as near halting places e.g. ammunition dumps, as is possible.

All Units are provided with urinals of the conventional type.

8. REFUSE DISPOSAL.

- (a) Main method of disposal of refuse is by incineration. In the forward Areas where this is impracticable, owing to danger of lighting a fire the refuse is being buried. Kitchen refuse is strained through grease traps which have been installed by some units, moreover this Section is now able to make a few which have been distributed to Units as available.
- (b) Each village is equipped with incinerators (improvised iron type) capable of coping with all town refuse. Units have been advised to put in the deep pit type owing to shortage of corrugated iron material, and many are in use.
- (c) Fatigue parties under Town Majors and Area Commandants attend to cleaning up of all town refuse.

9. STABLES AND HORSE STANDINGS.

- (b) Horses are mostly billeted in the open and kept in small groups. Manure dumps are established on the outskirts of all villages and others are situated at convenient distances from groups of horse lines as requirements demand. In some instances manure is being used for bomb breaks, where this is being done instructions are given to pack tightly and cover with earth. A small quantity is being burnt which is practicable on account of the dry nature of the manure.

10. ANTI-LOUSE AND SCABIES MEASURES.

Facilities for the bathing of all troops is afforded, clean clothing is available at the Baths, Foden Lorry disinfects the blankets and in some cases the delousing chambers (as mentioned above) are able to disinfect clothing.

12. INSTRUCTION IN SANITATION

The O.C. visits and advises Units re Camp Hygiene and is in constant touch with Area Commandants and Town Majors.

A N.C.O. was billeted at the Corps Field Punishment Compound for a week supervising alterations and improvements.

At request of the M.O. the S/Sgt held an instruction class for the Sanitary Details of his Unit.

Personnel of the Section are billeted throughout the Area and a work time table has been arranged to enable all Units to be visited twice a week.

13. INFECTIOUS DISEASES AMONGST CIVILIANS

No cases have been reported during the month.

14. GENERAL REMARKS.

14. GENERAL REMARKS

Flies are not nearly so numerous as last summer and the measures taken such as flyproofing of latrines, packing of manure dumps and making of meat safes are proving efficient safeguards against this nuisance.

All requirements for fatigue parties to dig public latrines have been available for Area Commandants and Town Majors on demand. There havenot been many horses to bury this month. The supply of material from Army and Corps Workshops in the way of Ablution Benches and Latrines has been ample to meet requirements and it is hoped to complete the Area as regards Latrine accommodation before next report.

Modifications were suggested in the type of collapsible latrine at present being supplied and the report was forwarded to Corps.

Boxes Biscuit boxes and tins have been forthcoming and been collected daily from ration dumps by arrangement with the S.S.O. These have been converted into latrine seats (special type for front line use and ordinary 1-seaters) meatsafes (made from two biscuit boxes) and grease traps. Tins have been used for special bucket type of latrine for front line use, hinges for latrine seats, splash tins, and grease traps.

About a dozen each of grease traps and small meat safes have been made and issued.

A large grease trap (4 ft square) was made for Cardonnette Baths and a smaller one was delivered to Mericourt Baths. The Railhead at Poulainville has been fitted up with sanitary appliances for the use of the Staff as well as public latrines and urinals

P.O.W. Cage and F.P. Compound have been completely equipped with all sanitary arrangements including a delousing chamber at the latter place.

A fair amount of work was put in on experiments with the delousing chamber which is now proving satisfactory.

Notices for water supplies, directing signs to latrines, manure dumps, incinerators etc have been erected where necessary, though not many were required this month.

Personnel are billeted with Area Commandants and in the forward part of the Area with Units.

The Divisional Portion of the Area has been subdivided by this Section to facilitate inspection work.

1st AUSTRALIAN SANITARY SECTION.	
S/32	
No.	28 JUNE 1918
Date	

Ulysses Dawson

Capt A.A.M.C.

O.C. 1st Australian Sanitary Section.

5th Australian Divisional Routine Order No 296

296. AS the result of an examination at No. 12 Mobile Laboratory, water from the ANCRE at BONNAY is deemed UNFIT for water carts. Good water is available at Billet No. L, BONNAY. The use of water from the river is forbidden.

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Report on Improved Delousers

The delouser was constructed by the engineers of 2nd Aust Div at St Gratian on about 4-6-18.

Points aimed at for disinfecting purposes are -

- 1/ Dry heat of sufficient temperature to destroy lice & eggs.
- 2/ Simplicity, thus enabling all field units to construct a delouser from a minimum amount of material.
- 3/ Economy of fuel.

When the delouser was taken over by the 1st Aust Sanitary Det for working purposes on

7-6-18, the chamber was charged with 60 shirts, singlets & U. Pants, for a period of 35 mins, on being taken out it was found that the lice were not all destroyed, therefore the time was successively increased to 1 hour, after which lice & eggs were killed, 310 garments were put through delouser, Coal consumption 140 lbs.

8-6-18. 240 Articles of clothing were put through, it was found that it was impossible to decrease time of exposure from 1 hour & effectively destroy the eggs. Coal consumption 70 lbs.

9-6-18 The door which consisted of a sheet of corrugated iron on a wooden frame, was taken down, & reconstructed so that the iron sheet without any framework, fitted into runners on either side of the door, this made it more air-tight.

The Canadian stoves with 2" diagonal draught pipe, were found to be of little value, this class of stove is necessarily a slow combustion one, therefore a quick rise in temperature of the surrounding air is not probable, the heat which radiated from these stoves in thirty minutes was not sufficient to destroy eggs. These stoves were dismantled, & oil drum types with underground draught pipes were installed. Pipes were made from biscuit boxes, 3" x 2" x with two couplings, & elbows at the end near the fire. This apparatus was more successful, in the majority of charges; & in

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P1

the coolest part of the chamber, lice + eggs were completely roasted, therefore the average temperature must have been above 60° Centigrade dry heat after which, all lice + eggs are destroyed.

2000 articles were put through in 4½ days

Coal consumption 280 lbs

Wood " " 35 "

This type of stove combines simplicity, economy in fuel, + inconsistent efficiency, the outstanding fault being; During process of disinfecting the fire must be stoked + fed down through the flues, by this means they not infrequently choke up.

Several points are open to question:-

- 1/ The soil in which one chamber is constructed, may be more susceptible to conduction of heat than another in this case heat would be lost.
- 2/ Outside weather conditions may in some way retard the generating + retaining of heat.
- 3/ A simple stove is required which will generate such heat, that will enable it to disseminate the required units of heat + temperature necessary to destroy the eggs with constant efficiency.

Experiments are being made with an oil burner stove which can be stoked, + regulated from the outside.

Diary of 1st Aust. San. Section
June 1918.

W. H. Carson
capt.

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Australian Corps

197/278

Headquarters

3 June 1948

Headquarters

2 Aust Divⁿ3 Aust Divⁿ4 Aust Divⁿ5 Aust Divⁿ

All Area Commandants.

Divisions in Divisional Areas and Area Commandants in Corps Area are responsible that proper facilities are provided at water points for the chlorination of water: that these facilities are kept in good order by water picquet at water point and are properly employed in accordance with instructions below, copy of which will be in possession of every water picquet.

" Instructions for Water Point Duty Men"

1. Chlorinate the small tanks in use for supply of water for petrol tins, dixies, etc.
2. Ensure that water carts drawing water from the standpipes chlorinate the water before leaving.
3. Ensure that tanks are invariably left full of chlorinated water before going off duty at night.
4. Clean out tanks at least once a week with chlorinated water.
5. Carry out instructions from U.C. Sanitary Section concerning chlorination of water or other sanitary measures.
6. Report to U.C. Sanitary Section any unit whose cart comes to the point without a water detail or bleaching powder.

Copies to:

C.E.

DDMS

1 Aus San Sect

3 " " "

4 " " "

5 " " "

77th San. Sect.

(Sgd) Keith Officer Major
for
Brig-Gen
DA & P. M. G.
Aust Corps.

110

1 Australian Sanitary Section

110 Orderly Room Cases
for month of June.

1.

Count martial cases
for month of June

NIL

Wegh Kaper Capt RMC
A.C. 1 Aus San Sect.

1st
AUSTRALIAN
SANITARY SECTION,
No. _____
Date 4/7/18

Fourth Army

Aust Corps "C" D.W. Area

Synopsis of work carried out by and under supervision of.

1 Aust. Sanitary Section

Month ending 28/6/18

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APPENDIX

Copy

Situation Areas	Number of.											
	Latrines dug, propped and screened	Seats on completed latrines	Urinals erected	Latrine pits dug or in course of digging	Urine pits dug or in course of digging	Inventories erected	Refuse Pits dug	Grease traps Soak Pits dug	Billets inspected	Billets disinfected	Latrines erected	Urinals pits carts inspected
Parlaimille Allonville St Sotier Pont myelles 'C' D.W.		333 Army type 227 Biscuit Boxes <u>560 Total</u>	47	}	}	27	31	44	1643	1	42	178

Work in Progress

Erection of delousing chambers is contemplated.
Grease traps and meat safes are now being attended to as
demand for latrine seats is well in hand

Ulysses Carson
Capt A.A.M.C.
U.C. 1 Aust. San. Sect.



APPENDIX.