5/28/2/5
PART 5

AUSTRALIAN ARCHIVES
ACCESS STATUS

OPEN

SEPTEMBER TO
OCTOBER 1943

ORIGINAL

2/1 CHEMICAL WARFARE LABORATORY

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/1 AUST. CW LABORATORY R.A.E.

NOV 9 1943

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WAR DIARY or INTELLIGENCE SUMMARY.

(Erase heading not required.)

Army Form C. 2118.
(adapted)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 1 Sep 43 *To* 2 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	1		Yellow pine, for the construction of the laboratory benches, was delivered to 59 DCRE. An estimate of the time required for delivery of the benches could not be obtained. Analysis of the filling of the Japanese Toxic Smoke Generator Type 163K was completed. The match-head and igniter compounds remain to be examined. Re-analysis of the Jap Rifle Grenade Smoke composition was continued. Spr Curtis returned to duty from 20 Camp Hospital, Broadmeadows.	APPENDIX 1: Unit Ro's, Pt. I, Nos. 42-44. APPENDIX 2: Field Returns (Offrs) - Nos. 36-38/43 APPENDIX 3: Field Returns (ORs) - Nos. 36-38/43
Brisbane			The exterior of the building at St John's Wood was cleaned. The workshop vehicle was unloaded and the workshop was prepared ready for use.	
Broadmeadows	2		Infm was received from DPSS, LHQ, that the majority of the books required to form the nucleus of a reference library for the Mobile Section are available from Civil firms and that the necessary action is being taken to purchase them.	

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Army Form C. 2118. (adapted)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 2 Sep 43 To 3 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	2 (contd)		Viscosity determinations on B4 were completed by the CW Section. Qualitative analysis of the igniter of the 163K Generator was carried out.	
Brisbane			The planning and design involved in fitting the building for Unit accommodation was commenced.	
Broadmeadows	3		The first progress report was received from the Adv Party in Q'land L of C Area. It appears that since the recce party's inspection, further damage has been occasioned to the hall, necessitating additional work before the site can be fully occupied by the laboratory. Recalibration of the Redwood viscometers, using a lubricating oil, was carried out. The viscosity of the oil sample was determined also by the falling sphere method. Estimation of the water-soluble material in the igniter of the 163K Generator was carried out and notes were made on methods for determining the antimony, iron and zinc content.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 3 Sep 43 To 5 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	3 (contd)		The fume cupboard was put out of action due to the fan motor burning out.	
Brisbane			PMG employees laid 4 telephone lines to the building.	
Broadmeadows	4		A blueprint drawing of the proposed alterations to the new site was received from the Adv Party.	
			As a further check the constants for the Redwood Viscometers were determined, using another sample of lubricating oil (SAE 30).	
			Estimation of the antimony in the 163K Generator igniter was commenced.	
Brisbane			Additional eating utensils and cooking stores were indented for and collected.	
Broadmeadows	5		Advice was received from 2 Aust Movt Control Gp (Maj HINDLE) that only approximate figures are required for the quantities of eqpt to be moved. It was therefore arranged for RTO, Broadmeadows Camp, to make an estimate. The quantities were assessed at: Weight, 15-20 tons; dimensions, equivalent to 1½-2 'U' Type Trucks.	
			Duplicate acidity determinations were completed on B4 samples.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 6 Sep 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	6		Additional eqpt requested was despatched to the Adv Party.	
			Enquiries were made to ascertain progress on the laboratory benches under construction at 59 DCRE. It was discovered that they are approximately one-third completed.	
			2 Aust Movt Control Gp (Maj Hindle) has further advised that it may be possible to move fragile and valuable items of Unit eqpt by passenger train in preference to goods rail.	
			Determinations of the densities of the B4 samples were commenced.	
			Antimony estimations in the analysis of the igniter from the 163K Generator were completed. The results were not consistent and the estimation was re-commenced.	
Brisbane			The consolidated demand for works services at St John's Wood was completed by the Adv Party.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 7 Sep 43 To 8 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	7		Photographs for Report on Unit and those of Jap Type 99 Smoke Candle were submitted to MO7.	
			Advice was received from 59 DCRE that the laboratory benches are nearing completion. A further small quantity of timber is required. Action is being taken to obtain it through local purchase channels.	
			Density determinations of B4 were completed. The density of the steel balls used in the falling sphere viscometer was also determined.	
			Samples of two H derivatives and one of selenium oxychloride were collected from the Chemistry Dept, Melbourne University.	
Brisbane			The P26 (demand for works services) was passed to Q Branch, Q'land L of C Area. This covers all essential works for the functioning and accommodation of the Unit at the site at St John's Wood.	
Broadmeadows	8		Report on Japanese Water Purifying Outfit was submitted to LHQ (MO7) (Folio 21).	APPENDIX 4: Folio 21— Jap. Water Purifying Outfit

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 8 Sep 43 To 9 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	8 (contd)		Report was received from Adv Party, indicating that considerable cleaning had been necessary to restore the condition of the hall. Adm routine has been established there.	
			Enquiries made at CPO, LHQ (Lieut NEBENDAHL) and Contracts Board (Mr CLARKE) revealed that delivery of the fourteen cylinders for compressed coal gas is expected this month.	
			A hydrometer was calibrated to read densities at 10°C. This will facilitate density determinations in the examination of CW chargings.	
Brisbane			The Adv Party commenced estimation of costs of works services, assistance being obtained from 43 DCRE in this matter.	
Broadmeadows	9		Orders to Adv Party (No 2) were despatched.	APPENDIX 5: Orders to Advance Party No. 2
			A scheme was evolved whereby the main body of the Unit and the bulk of the stores will move about 21 Sep 43 and a Rear Party of Chemists, etc, will remain in Melbourne to study Porton Reports, etc.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 9 Sep 43 To 11 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	9 (contd)		until laboratory accommodation in Q'land is ready.	
			Investigation of the results of B4 examinations was commenced by the CW Section.	
Brisbane			Hygiene personnel inspected the site at St John's Wood and found	
			conditions satisfactory.	
Broadmeadows	10		A further report from Adv Party was received, covering requisition	
			for works services, as submitted to HQ Q'land L of C Area. This	
			was found to be complete, with the exception of some extra lighting	
			and water points. The matter was discussed by a trunk telephone	
			call to Brisbane.	
			It was learned from 59 DCRE that the six laboratory benches will be	
			ready for collection on 15 Sep 43.	
			The photographer was allotted to the Chemical Section.	
Broadmeadows	11		A request was received from Camp HQ to vacate buildings occupied	
			by 18 Sep 43. The original date named (20 Sep 43) will be adhered to,	

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Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 11 Sep 43 To 13 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	11 (contd)		but an earlier move will be made if possible. Good progress has been made with packing of the QM Store.	
	12		The initial draft of the report on the Jap 163K Toxic Smoke Generator was prepared.	
	13		Orders to Adv Party No 3 were issued.	APPENDIX 7: Orders to Advance Party No 3
			Details of the manner in which it is proposed that the move of the main body be carried out were submitted to Maj Hindle at 2 Aust Movt Control Gp -- Appx -- Q41/3/958.	APPENDIX 6: Unit Movement from Vic Log C
			Capt King visited the Unit and discussed viscometry with Sgt Smith. He also viewed the 3-ton laboratory vehicle. Arrangements were made with Camp QM to move darkroom to another building nearer the Orderly Room, for use by Rear Party.	
			Qualitative analysis of the match-head and the ash residue of the filling of the Jap 163K Toxic Smoke Generator were carried out.	

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Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 13 Sep 43 *To* 14 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	13 (contd)		A sample of xylene was examined for DGMS Staff.	
			Laboratory work at Broadmeadows terminated on this day. No further work will be carried out until the laboratory at St John's Wood is ready for use.	
Brisbane			The progress of manufacture of 7 prefabricated huts was investigated. These will be used to accommodate personnel at the new site.	
			The estimates of cost of works required were passed to 43 DCRE, for concurrence.	
Broadmeadows	14		Packing of the laboratory was commenced.	
			Unit Movt Order No 26/43, covering move of main body, was issued.	APPENDIX 8 Movement Order No 26/43
			Maj Carter and Capt Fisher visited Unit, viewed packing in progress and inspected 3-ton laboratory vehicle.	
			Applications were submitted to LHQ for transfer of Spr Dowd, transfer of Finance Authority to Q'land, and reduction in photographic	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 14 Sep 43 To 16 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	14 (contd)		maintenance issues.	
			Sgt Goudy rejoined Unit from 20 Camp Hospital, Broadmeadows.	
Brisbane			Investigations were made into the water supply available for the laboratory.	
Broadmeadows	15		Folio 19, reporting on the S D Warren Gas Proof Paper, was submitted to MO7.	APPENDIX 9: Folio 19 - Gas + Water Resistant Paper
			Packing of the laboratory was continued.	
			Transport was arranged for the collection of laboratory benches from 59 DCRE.	
Brisbane			2 Aust CRE (works) were visited to ensure immediate action on their receiving the P26 from 43 DCRE.	
Broadmeadows	16		MCO 5045, detailing move of main body, was received from 2 Aust Movt Control Gp.	
			Efforts were made to obtain a replacement for the car undergoing repairs in workshops, but Major Burrow (DADOS, MT) could not do this. He arranged with workshops, however, to complete repairs at an early date.	

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Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 16 Sep 43 *To* 17 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	16 (contd)		Packing of eqpt and fittings was continued.	
			Spr Jones W A arrived on transfer from 2/14 Aust Inf Bn. He will	
			carry out duties as driver.	
Brisbane			A demand was placed for various materials in advance of the P26.	
			Difficulties in arranging gas, water and electric supplies were	
			discussed at 43 DCRE. The gas supply requires special approval of	
			the Brisbane Gas Coy.	
Broadmeadows	17		Film of Allied Smoke weapons and Jap 99 Candle was viewed at Mil	
			Hist Sec by representatives of D of A, G (Inf) and M07, LHQ.	
			Packing of eqpt and fittings was continued. A large proportion of cases	
			containing chemicals and eqpt were loaded on to rail trucks.	
Brisbane			Agreement was reached with the Gas Coy concerning the	
			supply of gas to the hall. Further materials were	
			collected.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 18 Sep 43 *To* 19 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	18		After the conference at MO7, a demonstration of American Flame-throwers was attended. Both liquid fuel and thickened (Napalm) fuel were used, with impressive results. Sinks were collected from City firms. These will complete laboratory benches constructed by 59 DCRE. Loading of rail trucks was completed at 1820 hours; buildings in NW Block were finally vacated.	
Brisbane			The P26 was passed by 43 DCRE to 2 Aust CRE works. Lt-Col F S Gorrill RAMC visited the Adv Party, on his way back to Melbourne from Innisfail.	
Broadmeadows	19		Further work was carried out to reduce orderly room files to a minimum; this will ensure that out of date documents are not taken to Queensland.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 20 Sep 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	20		Orders to Adv Party No 4 were issued.	APPENDIX 10: Orders to Advance Party No 4
			Rail parties of main body left -- party by troop train at mid-day	
			and escort with stores by goods rail in the evening. Orderly Room	
			moved with the latter party -- minimum office work will be carried	
			on by rear party.	
			A Japanese Dictionary and two chemistry textbooks were obtained from DPSS.	
			It was learned from Contracts Board (Mr CLARKE) that several queries	
			have been raised by British Tube Mills Pty Ltd, the manufacturers of the	
			cylinders for compressed coal gas, on Order for the Unit. Agreement	
			was reached on all points and manufacture will be commenced.	
			Chemical and CW Section personnel in rear party commenced a period	
			of intensive study of CW literature and reports. Loaned reports	
			required for reference will be copied photographically. Office	
			accommodation near Camp HQ will suffice for this purpose, with a	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 20 Sep 43 *To* 22 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	20 (contd)		dark room in an adjacent hut.	
Brisbane			The P26 was passed to HQ No 2 L of C Sub Area and back to 2 Aust CRE, thence on to 1 Aust CE (Works).	
"	21		Arrangements have been made to obtain fire-fighting eqpt and efforts were made to expedite delivery of this.	
Broadmeadows			Orders to Main Body No 1 were issued. Road Party -- **Lieut Neil and Spr Rossborough,** in 3-ton Chemical Laboratory vehicle -- left at 1300 hrs. They will be nine days on the road.	APPENDIX II: Orders to Main Body No 1
			The draft of the report on the Japanese Toxic Smoke Generator Type 163K was completed by Chemical Section.	
			Personnel in rear party will continue attendance at Organic Chemistry lectures at Melbourne Technical College.	
Brisbane	22		Personnel travelling by troop train, in charge of L/Sgt McLaren, arrived in the afternoon.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 22 Sep 43 *To* 24 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	22 (contd)		At MSL Maribyrnong supplies of T773 hydrochloride, prepared by University, were received.	
			Nat Phil Dept, University of Melbourne, are making good progress with cathetometer under construction.	
Brisbane	23		Visits were made to all concerned with the passage of the P26 through various channels; the urgency of the work to be carried out was emphasised.	
			Clearing of the scrub along the creek was carried out.	
			Further electrical repairs were effected and re-erection of landings and steps was commenced.	
Broadmeadows			A quantity of lewisite from USACWS was received through Maj Wiese, Chemical Officer, Base Section 4.	
Brisbane	24		The P26 was passed to AQMG HQ Q'land L of C Area late in the afternoon.	
			Preliminary arrangements were made to transport Unit stores from the	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 24 Sep 43 To 25 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	24 (contd)		rail siding on arrival.	
			Arrangements were made to obtain essential stocks and dies for plumbing work.	
			Wire netting was removed from the tennis court boundary. It is	
			proposed to enclose a disused court for accommodation purposes.	
			Roofing from the proposed workshop site was removed for repair and	
			strengthening.	
Broadmeadows			A translation of labels on the Japanese Water Filter was received from GSI LHQ.	
			It was ascertained that CPO had placed a munition order (5309 of 14 Sep 43)	
			for £35 to cover the cathetometer being made by the University.	
Brisbane	25		Further Engineer Stores were collected and the tennis court boundary	
			was marked out.	
Broadmeadows			Conference M07. The main items discussed were use of thickened fuel	
			from aircraft to set jungle alight, and scales of A/gas eqpt for jungle conditions.	
			Application was made to Stationery Offr Vic L of C Area for issue of a duplicator.	
			Orders to Adv Party No 5 were issued.	APPENDIX 12: Orders to Advance Party No 5

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 26 Sep 43 *To* 27 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	26		Rail party and stores arrived at Clapham; stores were transported to Unit lines and stacked in the area allotted to QM Store.	
	27		The Orderly Room was arranged in the NE corner of the hall.	
			The P26 was submitted by HQ Q'land L of C Area for DFO approval.	
			The hall was cleaned and the cases of stores were sorted and stacked.	
			A temporary QM office and store was partitioned off in the SE corner.	
			The proposed location of laboratory benches in the laboratory was marked out.	
			The repair of further electrical fittings was effected. A Fowler stove was repaired and installed in the kitchen.	
			A 1-ton Van (Dodge), required for the transport of stores and materials, was indented for (on loan) and collected.	
Broadmeadows			Advice was received that an apparatus for sampling gas-filled bombs had arrived from overseas and was at 3 Base Ord Depot, Albury. A request was passed to that Depot to supply infm on the subject.	

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Army Form C. 2118
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Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 28 Sep 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	28		A submission for financial approval of the P26 was fwded by Q'land L ofC to LHQ, funds being unavailable locally.	
			Post holes were sunk and posts for new tennis court boundary positioned.	
			Erection of roofing over the proposed workshop site was commenced, though rain interfered.	
Broadmeadows			Portion of the lewisite received from USASOS was delivered to MSL and a quantity of HT was received.	
			Several reports were borrowed from MSL.	
			Spr Hohne K H was interviewed— he may be suitable as draughtsman. His credentials were checked at HQ Vic L of C Area and it was decided to take him on strength.	
			The new darkroom was inspected and found to be far from lightproof. Cracks, etc, were covered with Caneite or blankets and the room rendered suitable for use.	

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Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 29 Sep 43 To 30 Sep 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	29		The Q'land L of C Area reference number of the submission for financial approval of the P26 was obtained, and the Rear Party at Broadmeadows was informed, to enable the matter to be expedited at LHQ. Erection of the tennis court boundary was commenced. Laboratory vehicle and personnel arrived after their road journey.	
Broadmeadows			Spr Hohne reported on transfer from 13 Army Tps Coy and was given leave prior to movement to Brisbane. The Leica camera was set up on a stand and lighting arranged so as to be suitable for copying documents.	
Brisbane	30		The electrical circuits in the East Section of the ablution rooms were found to be in a bad state and repair was commenced. Small sizes of stocks and dies were taken on loan. Anticipating approval of the P26, arrangements were made to expedite the supply of materials covered by it.	
Broadmeadows			A sample of Ointment No 3A was collected from RSD Collingwood.	

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Army Form C. 2118.
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Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 30 Sep 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	30 (contd)		Further necessary work was carried out on the darkroom, to make it light-proof. A test strip film was used to obtain the correct exposure for copying work.	APPENDIX 13: Photographs – Unit Location: & Land L of C Area

Major
Comd. 2/1 Aust. C.W. Laboratory RAE

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WAR DIARY

RESTRICTED

No 1 Page

Appx.

AUSTRALIAN MILITARY FORCES

WAR DIARY

AMR & O 1588B

War Diary

No 1 13 Page

Appx. 1

ROUTINE ORDERS

by

Major J C McALLESTER, Commanding 2/1 Aust CW Laboratory RAE

7 Sep 43

PART I

Serial No 42

184. DUTIES.

Orderly Officer--

To mount 0800 hrs, 8 Sep 43: Lieut BULL

Next for duty, to mount 0800 hrs, 15 Sep 43: Lieut NEIL

Orderly NCO--

To mount 0630 hrs, 8 Sep 43: Sgt BRUNTON

Next for duty, to mount 0630 hrs, 15 Sep 43: L/Sgt HAMLYN-HARRIS

	Drivers:	Clerks:
8 Sep 43	Spr BARBER	L/Sgt HAMLYN-HARRIS
9 Sep 43	Spr ROSSBOROUGH	Spr SHAW
10 Sep 43		
11 Sep 43	Spr ALLEN	Sgt BRUNTON
12 Sep 43	Spr ALLEN	Sgt BRUNTON
13 Sep 43		
14 Sep 43	Spr ROSSBOROUGH	Cpl DOVER

Week-end Duties--

	Driver:	NCO:
12 Sep 43	Spr ALLEN	Sgt BRUNTON

185. NOTICE: GIFT PARCELS FOR UNITED KINGDOM ADDRESSES; DUTY FREE CONCESSION.

GROs, Page 18-19.

"1. A concession has been sanctioned by the United Kingdom Authorities which permits members of the AMF and the British Army, serving in Australia, to send to their relatives and friends in the United Kingdom four (4) gift parcels a year, duty free. The usual postage rates are payable.

2. Such parcels must not weigh more than 5 lbs each nor exceed 30/- in value, and contents may not include:--

(a) any drinkable spirits;

(b) more than ½ lb total weight of tobacco, including cigars and cigarettes (200 cigarettes or 50 cigars = ½ lb), or any tobacco goods marked "H.M. Ships only";

(c) more than ½ pint of scent;

(d) more than 2 lbs of any one foodstuff.

3. Special Customs Declarations (Army Form W5192) will be affixed to the parcels; these will be secured through normal stationer channels for issue, under unit arrangements, on a basis of a maximum of four (4) a year to any one sender. A comparatively few forms should suffice for needs of any one unit, and each form issued therein will have entered upon it the recipient's number and name and be signed by the issuing officer in the space provided.

4. It is stressed that full futy will be charged on the contents of parcels which infringe restrictions expressed in para 2.

9 Sep 43

Lieut

Adjt 2/1 Aust CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

War Diary

RESTRICTED

WAR DIARY AIR A O 1588B
No 1 Page
Appx.

AUSTRALIAN MILITARY FORCES

ROUTINE ORDERS

by

Major J C McALLESTER, Commanding 2/1 Aust CW Laboratory RAE

14 Sep 43 — PART I — Serial No 43

186. DUTIES.

Orderly Officer--

To mount 0800 hrs, 15 Sep 43: Lieut BULL — Next for duty, to mount 0800 hrs, 22 Sep 43: Lieut NEIL

Orderly NCO--

To mount 0630 hrs, 15 Sep 43: L/Sgt HAMLYN-HARRIS — Next for duty, to mount 0630 hrs, 22 Sep 43: Sgt GOUDY

	Drivers:	Clerks:
15 Sep 43	Spr PLUMMER	L/Sgt HAMLYN-HARRIS
16 Sep 43	Spr ROSSBOROUGH	Cpl DOVER
17 Sep 43		
18 Sep 43	Spr PLUMMER	L/Sgt HAMLYN-HARRIS
19 Sep 43	Spr PLUMMER	L/Sgt HAMLYN-HARRIS
20 Sep 43		
21 Sep 43		

Week-end Duties--

	Driver:	NCO:
19 Sep 43	Spr PLUMMER	L/Sgt HAMLYN-HARRIS

A duty roster for the rear party, as from 20 Sep 43, will be posted in the Orderly Room.

187. LEAVE.

With effect forthwith, rest day and evening leave may be cancelled at short notice if it is considered that the work of any individual engaged on packing, etc, is not up to schedule.

188. MAIL.

To facilitate delivery of individuals mail to the correct address, members of the rear party's address will be as follows:--

Regtl No,
Rank and Name,
BROADMEADOWS MIL POST OFFICE,
Victoria.

The Unit name will not be shown.

J C McAllester
Maj
Coml 2/1 Aust CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

War Diary

RESTRICTED AMR & O 1588B

AUSTRALIAN MILITARY FORCES

ROUTINE ORDERS

by

Ma jor J C McALLESTER, Commanding 2/1 Aust CW Laborator y RAE

28 Sep 43 PART 1 Serial No 44

189. DUTIES.

Orderly Officer--

To Mount 0800 hrs , 29 Sep 43: Lieut GOLDSTONE
Next for duty, to mount 0800 hrs 6 Oct 43: Lieut NEIL

Orderly NCO--

To mount 0630 hrs 29 Sep 43: S/Sgt CODE
Next for duty, to mount 0630 hrs, 6 Oct 43: Cpl KLINE

	Mess Orderly:	Dr iver:	Clerks :
29 Sep 43	Spr DURRAN	Spr MURRAY	S/Sgt CODE
30 Sep 43	Spr ALLEN	Spr MURRAY	Sgt GOUDY
1 Oct 43	Spr CURTIS	Spr MURRAY	Spr SHAW
2 Oct 43	Spr WILLIAMS	Spr MURRAY	S/Sgt CODE
3 Oct 43	Spr PLUMMER	Spr ALLEN	S/Sgt CODE
4 Oct 43	Spr BARBER	Spr MURRAY	Sgt GOUDY
5 Oct 43	Spr SHAW	Spr MURRAY	Spr SHAW

Week-e nd Duties--

	Mess Orderly:	Driver:	NCO:
3 Oct 43	Spr PLUMMER	Spr ALLEN	S/Sgt CODE

190. UNIT REGISTERED MAIL. Registered Mail will be delivered by the orderly signing for same to a commissioned officer only.

191 CLEANLINESS OF UNIT AREA. Shaving gear, clothing etc, must NOT be left in wash rooms.

K.F. Goldstone Lieut
2/1 Aus t CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/4 [illegible] Laboratory RAE ..... Unit

Army Form W.3009
(Adapted) (Page 2)
(Revised Jan., 1943)

36 43 Serial No.

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 4 Sep /194 .

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners				Surveyors, Engineering				Operating Room Assts.				G.P.O. Assistants			
Armament Artificer Fitter				Surveyors, R.A.A.				Operator, Keyboard				Hammermen			
Armament Artificer Fitter (Electrical)				Surveyors, Topographical				Operator, Line				Leather Stitchers			
Armament Artificer Fitter (M.V.)				Surveyors, Trigonometrical				Operator, Signal				Orderlies, Nursing			
Armament Artificer Fitter (A.F.V.)				Toolmakers				Operator, Switchboard				Orderlies, Nursing Mental			
Armament Artificer Instrument				Turners				Operator, Wireless				Plate Layers			
Armament Artificer Radio				Watchmakers				Opticians				Rangetakers			
Armament Artificer Signals				Welders				Painters				Rivetters			
Armament Artificer Wireless								Panel Beaters				Roughriders			
Artificer, Artillery								Photographer, Dry Plate (a)	1	1	-	Saddlers			
Artificer, Engine								Predictor Numbers				Saddletree makers			
Blacksmiths								Printers				Shoemaker and Boot Repairer			
Bricklayers								Radiographers				Stevedores			
Computors								Riggers				Stokers, Staty. Engine			
Cooks, Hospital				GROUP II.				Sawyers				Storemen, Technical	1	1	-
Coppersmiths				Armourers				Signallers				Tailors			
Dispensers				Axemen				Signwriters				Textile Refitters			
Draughtsmen	1	-	1	Bakers				Telescope Identfn. Numbers				Tinsmiths			
Draughtsmen (Architectural)				Bty. Comd's. Asst.				Well Borers				Vulcanizers			
Draughtsmen (Engineering)				Boilermakers				Wheelers				Wagon Erectors			
Draughtsmen (Mechanical)				Carpenters				Winchman				Whitesmiths			
Draughtsmen (Topographical)				Carpenters and Joiners	1	1	-	Wireman				Clerk	1	1	-
Electricians				Cooks				Woodturners							
Electricians (M.V.)				Dental Mechanics											
Electricians (Signals)				Driver-Mech. (Eng. and Med.)											
Fitters	1	4	-	Driver-Operator											
Fitters (Cycle)				Drainers											
Fitters (Electrical) (a)	1	1	-	Electricians											
Fitters (Gun)				Electricians (Engineers)											
Fitters (Instrument)				Fire Control Operators				GROUP III.				DETAILS OF NON-TRADESMEN.			
Fitters (M.V.)				Gun Operator				Battery Surveyors				Chemist (a)	1	1	-
Fitters, Railway Signal				Hatchman				Butchers				Cook (a)	1	1	-
Fitters, Signals				Height Taker				Clerks (b)	1	1	-	Laboratory			
Grinder, Precision				Helio Operator				Clerks, Supply				Assists(a)	3	5	
Mechanics, Instrument				Instrument Operator				Clerks, Technical				Laboratory			
Mechanics, Instrument (Signals)				Intelligence Duties				Coach Trimmers				Assistant	1	-	NR
Mechanics, Instrument (Surgical)				Joiners				Concretors				Drivers MT	3	2	1
Mechanics, Radio				Lineman				Cooks				Batman Dr	1	1	-
Mechanics, Typewriter				Lineman, Signals				Dental Clerk Orderlies				Batman	2	-	2
Mechanics, Wireless				Lithographers				Despatch Riders				ATTACHED BY W.E.			
Millwrights				Machinists, Metal				Draughtsmen, Signals				[illegible]			
Operators, Excavator				Machinists, Wood				Drivers, H.T.				Orderly General	1	-	1
Pattern Maker				Masons				Driver Mechanics				Batsman	1	-	1
Pharmacist				Masseurs				Driver Tptn. Plant							
Photographer, Wet Plate				Mechanics, M.T.				Engine Hands, I.C.							
Photowriter				Miners				Equipment Repairers							
Plumber	1	1	-	Moulders				Farriers				Attached Cooks	1	1	-
Saw Doctors				Nurses, Trained				Fitters' Mates							
Surveyors				Observation Post Assts.				Gun Layers							
CARRIED FORWARD	4	3	1	CARRIED FORWARD	5	4	1	CARRIED FORWARD	8	7	1	Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A. respectively.	25	20	6

NOTES.—(a) If rank other than private is involved give details on back. (See back)
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back.
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required."
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

4 Sep 43
Date of Despatch

[signature] Lieut for Maj
Signature of Commander

L.H.Q. Press—202—5/43—312m.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls
(b) Sgts
(c) S/Sgts

(d) WO.II

(e) Three Sgts and two Cpls, laboratory assistants (Excess in lieu of Officer deficiencies; Attachment Authorised by LHQ 76913 of 11 May 43).
Other ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

In accordance with Vic L of C Area RO A352/43 Para 3, the following infm is supplied re surplus NCO's.

(a) QX 27776, Sgt Smith L S

Age: 25 9/12 Years
Med Class: A1
Civil Qual: B Sc (Univ of Q'land)
Army Qual: CW Laboratory chemist - 10 months training for this appt
Army Service: 2 6/12 years- not interrupted by sickness.

Recommendation; Civil qualifications and army trg in CW Laboratory methods render this NCO eminently suitable for his present posting. Sgt Smith is filling the appt of Lieut (chemist) and it is anticipated that he will ultimately be promoted to this rank.

(b) NX 168311, L/Sgt McLaren D S

Age: 21 8/12 years
Med Class: A1
Civil Qual: Tech School trg as chemist
Army Qual: CW Laboratory assistant- 4 months trg for this Appt.
Schools: 1 Aust Div Inf Trg School-CW course.
Army Service: 3 years- not interrupted by sickness.

Recommendation: Civil qualifications, army trg in CW Laboratory methods, and current attendance at a course of theoretical and practical chemistry at Footscray Tech School render this NCO suitable for his present posting.

(c) NOTE The attachment, excess of WE of both these NCO's, is authorised by LHQ 76913 of 11 May 43.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan., 1943.)

FIELD RETURN OF OTHER RANKS

36/43 (Serial No.)

At 0600 Hrs. Saturday 4/Sep/1943 2/1 Aust CW Laboratory (Unit)

W.E. AIF III 31/1. OFFRS. 6 O.R's. 24 + OFFRS. — O.R's. RAE 1 ATT. BY W.E.

WAR DIARY
Vol — Page
Appx.

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5		6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.		ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required
				W.Os. Class I.						
			1	W.Os. Class II.	1					
			1	Squadron or Company Quartermaster Sgts.	1					
				Staff Sergeants						
			4	Sergeants	4	(See back)				
		2	4	Corporals	2					
6	8		9	Troopers, Privates, etc.	17	AACC	1			
				Civilians counting as O.R.						
6 *	8	2	19 *	Totals of cols. marked * should agree with details shown in Part E on Page 2.			1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		20						[redacted]	[redacted]		20
B(1)											
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
1	LHQ Gas School		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached

Part D. Description of Other Ranks Whose Return To ..... (Unit) is Particularly Requested. ...../...../194.....

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX15473	Spr	DIXON G N	105 AMH Adelaide

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/1 [illegible] Met Ch Laboratory RAE ..... Unit

Army Form W.3009
(Adapted) (Page 2)
(Revised Jan., 1943)

...../..... Serial No. 57 43

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 11 /Sep /1943 .

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners				Surveyors, Engineering				Operating Room Assts.				G.P.O. Assistants			
Armament Artificer Fitter				Surveyors, R.A.A.				Operator, Keyboard				Hammermen			
Armament Artificer Fitter (Electrical)				Surveyors, Topographical				Operator, Line				Leather Stitchers			
Armament Artificer Fitter (M.V.)				Surveyors, Trigonometrical				Operator, Signal				Orderlies, Nursing			
Armament Artificer Fitter (A.F.V.)				Toolmakers				Operator, Switchboard				Orderlies, Nursing Mental			
Armament Artificer Instrument				Turners				Operator, Wireless				Plate Layers			
Armament Artificer Radio				Watchmakers				Opticians				Rangetakers			
Armament Artificer Signals				Welders				Painters				Rivetters			
Armament Artificer Wireless								Panel Beaters				Roughriders			
Artificer, Artillery								Photographer, Dry Plate (a)	1	1	-	Saddlers			
Artificer, Engine								Predictor Numbers				Saddletree makers			
Blacksmiths								Printers				Shoemaker and Boot Repairer			
Bricklayers								Radiographers				Stevedores			
Computors								Riggers				Stokers, Staty. Engine			
Cooks, Hospital				GROUP II.				Sawyers				Storemen, Technical	1	1	-
Coppersmiths				Armourers				Signallers				Tailors			
Dispensers				Axemen				Signwriters				Textile Refitters			
Draughtsmen	1	-	1	Bakers				Telescope Identfn. Numbers				Tinsmiths			
Draughtsmen (Architectural)				Bty. Comd's. Asst.				Well Borers				Vulcanizers			
Draughtsmen (Engineering)				Boilermakers				Wheelers				Wagon Erectors			
Draughtsmen (Mechanical)				Carpenters				Winchman				Whitesmiths			
Draughtsmen (Topographical)				Carpenters and Joiners	1	1	-	Wireman				Clerk	1	1	-
Electricians				Cooks				Woodturners							
Electricians (M.V.)				Dental Mechanics											
Electricians (Signals)				Driver-Mech. (Eng. and Med.)											
Fitters	1	1	-	Driver-Operator											
Fitters (Cycle)				Drainers											
Fitters (Electrical) (a)	1	1	-	Electricians											
Fitters (Gun)				Electricians (Engineers)											
Fitters (Instrument)				Fire Control Operators				GROUP III.				DETAILS OF NON-TRADESMEN.			
Fitters (M.V.)				Gun Operator				Battery Surveyors				Chemist (d)	1	1	-
Fitters, Railway Signal				Hatchman				Butchers				COMS (c)	1	1	-
Fitters, Signals				Height Taker				Clerks (b)	1	-	NR	Laboratory			
Grinder, Precision				Helio Operator				Clerks, Supply				assistants (e)	3	5	-
Mechanics, Instrument				Instrument Operator				Clerks, Technical				Laboratory			
Mechanics, Instrument (Signals)				Intelligence Duties				Coach Trimmers				assistant	1	-	NR
Mechanics, Instrument (Surgical)				Joiners				Concretors				Drivers MT	3	3	-
Mechanics, Radio				Lineman				Cooks				Batman DR	1	1	-
Mechanics, Typewriter				Lineman, Signals				Dental Clerk Orderlies				Batmen	2	-	2
Mechanics, Wireless				Lithographers				Despatch Riders				ATTACHED BY W.E.			
Millwrights				Machinists, Metal				Draughtsmen, Signals				Orderly	1	-	1
Operators, Excavator				Machinists, Wood				Drivers, H.T.				General			
Pattern Maker				Masons				Driver Mechanics	1	1	-	dutyman	1	-	1
Pharmacist				Masseurs				Driver Tptn. Plant							
Photographer, Wet Plate				Mechanics, M.T.				Engine Hands, I.C.							
Photowriter				Miners				Equipment Repairers							
Plumber	1	1	-	Moulders				Farriers				Attached Cook	1	1	-
Saw Doctors				Nurses, Trained				Fitters' Mates							
Surveyors				Observation Post Assts.				Gun Layers							
CARRIED FORWARD	4	3	1	CARRIED FORWARD	5	4	1	CARRIED FORWARD	8	6	1	Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A. respectively.	25	20 *	5 *

NOTES.—(a) If rank other than private is involved give details on back. (see back)
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back.
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required."
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

11 Sep 43
Date of Despatch

H Glasscock Maj
Signature of Commander

L.H.Q. Press—202—5/43—312m.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO II

(e) Three Sgts and two Cpls, laboratory assistants (excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 May 43).

Other ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan., 1943.)

FIELD RETURN OF OTHER RANKS

37/43 (Serial No.)

At 0600 Hrs. Saturday 11/Sep/1943 2/1 Aust CW Laboratory (Unit) WAR DIARY

W.E. AIF 31/1 OFFRS. 6 O.R's. 24 + OFFRS. - O.R's. 1 ATT. BY W.E. No 1 Page

Part A. Posted Strength, Surplus or Reinforcements Required. Appx.

1	2	3	4	5		6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.		ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required
				W.Os. Class I.						
			1	W.Os. Class II.	1					
			1	Squadron or Company Quartermaster Sgts.	1					
				Staff Sergeants						
			3	Sergeants	4	(see back)				
		2	4	Corporals	2					
5	5		10	Troopers, Privates, etc.	17	AACC	1			
				Civilians counting as O.R.						
5*	5	2	19*	Totals of cols. marked * should agree with details shown in Part E on Page 2.			1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		20									20
B(1)											
B(2)											

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
1	LHQ Gas School		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached

Part D. Description of Other Ranks Whose Return To thi (Unit) is Particularly Requested. 11/Sep/1943

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX 15473	Spr	DIXON G N	105 AGH Adelaide
VX 68239	Sgt	GOUDY G G	20 Camp Hospital B'meadows

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

2 Aust CW Laboratory RAE ..... Unit

No 1 ..... Page 38 / 43 Serial No.

Army Form W.3009 (Adapted) (Page 2) (Revised Jan., 1943)

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 18 / Sep / 1943 .

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners				Surveyors, Engineering				Operating Room Assts.				G.P.O. Assistants			
Armament Artificer Fitter				Surveyors, R.A.A.				Operator, Keyboard				Hammermen			
Armament Artificer Fitter (Electrical)				Surveyors, Topographical				Operator, Line				Leather Stitchers			
Armament Artificer Fitter (M.V.)				Surveyors, Trigonometrical				Operator, Signal				Orderlies, Nursing			
Armament Artificer Fitter (A.F.V.)				Toolmakers				Operator, Switchboard				Orderlies, Nursing Mental			
Armament Artificer Instrument				Turners				Operator, Wireless				Plate Layers			
Armament Artificer Radio				Watchmakers				Opticians				Rangetakers			
Armament Artificer Signals				Welders				Painters				Rivetters			
Armament Artificer Wireless								Panel Beaters				Roughriders			
Artificer, Artillery								Photographer, Dry Plate (a)	1	1	-	Saddlers			
Artificer, Engine								Predictor Numbers				Saddletree makers			
Blacksmiths								Printers				Shoemaker and Boot Repairer			
Bricklayers								Radiographers				Stevedores			
Computors								Riggers				Stokers, Staty. Engine			
Cooks, Hospital				GROUP II.				Sawyers				Storemen, Technical	1	1	-
Coppersmiths				Armourers				Signallers				Tailors			
Dispensers				Axemen				Signwriters				Textile Refitters			
Draughtsmen	1	-	1	Bakers				Telescope Identfn. Numbers				Tinsmiths			
Draughtsmen (Architectural)				Bty. Comd's. Asst.				Well Borers				Vulcanizers			
Draughtsmen (Engineering)				Boilermakers				Wheelers				Wagon Erectors			
Draughtsmen (Mechanical)				Carpenters				Winchman				Whitesmiths			
Draughtsmen (Topographical)				Carpenters and Joiners	1	1	-	Wireman				Clerk	1	1	-
Electricians				Cooks				Woodturners							
Electricians (M.V.)				Dental Mechanics											
Electricians (Signals)				Driver-Mech. (Eng. and Med.)											
Fitters	1	1	-	Driver-Operator											
Fitters (Cycle)				Drainers											
Fitters (Electrical) (a)	1	1	-	Electricians											
Fitters (Gun)				Electricians (Engineers)											
Fitters (Instrument)				Fire Control Operators				GROUP III.				DETAILS OF NON-TRADESMEN.			
Fitters (M.V.)				Gun Operator				Battery Surveyors				Chemist (d)	1	1	-
Fitters, Railway Signal				Hatchman				Butchers				CQMS (c)	1	1	-
Fitters, Signals				Height Taker				Clerks (b)	1	1	-	Laboratory			
Grinder, Precision				Helio Operator				Clerks, Supply				assists (e)	3	5	
Mechanics, Instrument				Instrument Operator				Clerks, Technical				Laboratory			
Mechanics, Instrument (Signals)				Intelligence Duties				Coach Trimmers				assistant	1	-	NR
Mechanics, Instrument (Surgical)				Joiners				Concretors				Drivers MT	3	3	-
Mechanics, Radio				Lineman				Cooks				Batman Dr	1	1	-
Mechanics, Typewriter				Lineman, Signals				Dental Clerk Orderlies				Batmen	2	-	2
Mechanics, Wireless				Lithographers				Despatch Riders				ATTACHED BY W.E.			
Millwrights				Machinists, Metal				Draughtsmen, Signals				Orderly	1	-	1
Operators, Excavator				Machinists, Wood				Drivers, H.T.				General			
Pattern Maker				Masons				Driver Mechanics	1	1	-	dutyman	1	-	1
Pharmacist				Masseurs				Driver Tptn. Plant							
Photographer, Wet Plate				Mechanics, M.T.				Engine Hands, I.C.				Attached			
Photowriter				Miners				Equipment Repairers				Cook	1	1	-
Plumber	1	1	-	Moulders				Farriers							
Saw Doctors				Nurses, Trained				Fitters' Mates							
Surveyors				Observation Post Assts.				Gun Layers							
CARRIED FORWARD		43	1	CARRIED FORWARD	5	4	1	CARRIED FORWARD	8	7	1	Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A. respectively.	25	*21	*5

NOTES.—(a) If rank other than private is involved give details on back. (see back)
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back.
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required."
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

18 Sep 43
Date of Despatch

D.R. Sclesser Maj
Signature of Commander

L.H.Q. Press—202—5/43—312m.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO.II

(e) Three Sgts and two Cpls, laboratory assistants (excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 May 43).

Other ranks attached from.other units authorised by Landforce Sig 050174 of 18 Aug 43.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan., 1943.)

38 / 43 (Serial No.)

FIELD RETURN OF OTHER RANKS

At 0600 Hrs. Saturday 18/Sep/1943 2/1 Aust CW Laboratory (Unit) WAR DIARY

AIF RAE

W.E. III / 31 / 1. OFFRS. 6 O.R's. 24 + OFFRS. — O.R's. 1 ATT. BY W.E.

Vol 13 Page

Appx. 3

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.					ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.	DETAIL.	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required.
				W.Os. Class I.					
			1	W.Os. Class II. 1					
			1	Squadron or Company Quartermaster Sgts. 1					
				Staff Sergeants					
			4	Sergeants 4	See back.				
		2	4	Corporals 2					
5	5		10	Troopers, Privates, etc 7	AACC	1			
				Civilians counting as O.R.					
5 *	5	2	20 *	Totals of cols. marked * should agree with details shown in Part E on Page 2.		1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		20						[redacted]	[redacted]		20
B(1)		1									1
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
1	LHQ Gas School		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached

Part D. Description of Other Ranks Whose Return To ..... (Unit) is Particularly Requested. 18/Sep/1943

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX15473	Spr	DIXON G N	105 AGH, Adelaide

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY
No 1 Page
Appx.

FIELD RETURN OF OFFICERS

Army Form W.3008 (Adapted) (Page 1) (Revised Jan., 1943)

2/1 Aust CW Laboratory RAE (Unit) 36/43 (Serial No.)

2/1 AUST. C.W. LABORATORY R.A.E. WAR DIARY

AIF At 0600 Hrs. Saturday 4/Sep/1943.

W.E. III/31/1. OFFRS. 6 O.R's. 24 + OFFRS. — O.R's. 1 ATT. BY W.E.

No 1 Page
Appx.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.	WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				*					
				*					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	1	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	2	6					

Analysis of Part A to be shown here by ALL units. Only units notified in pars. 10 of instructions for compilation of form will complete Part E(1) & E(2).

DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	**	TOTAL.
A.		4									4
E.(1)											
E.(2)											

* Insert detail of higher ranks as necessary.
** Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

2/1 Aust CW Laboratory RAE Unit War Diary

Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

36/43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 4/Sep/1943 (Total to agree with Columns 4 and 7 of Part A.)

1	2	3	4	5	6	7	8
Substantive Rank and Higher Temporary Rank if Held.	Army Number.	Surname.	Initials.	Posting.	Whether present with Unit (insert Yes or No)	If not present with Unit, state how employed.	Date of Detachment.
Major	VX14147	McALLESTER	J C	OC	Yes		
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	"		
Lieut	NX105276	BULL	C H	Chem	"		
Lieut	VX112210	GOLDSTONE	F A	Amn Offr	No	OC Advance Party, Qld L of C Area	19 Aug 43

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

4 Sep 43
Date of Despatch

[signature] for Maj
Signature of Commander ASD

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3008 (Adapted) (Page 1) (Revised Jan., 1943)

At 0600 Hrs. Saturday 11 Sep 1943. 2/1 Aust CW Laboratory (Unit) 37/43 (Serial No.)

WAR DIARY

AIF

W.E. 111/31/1. OFFRS. 6 O.R's. 24 + OFFRS. — O.R's. 1 ATT. BY W.E. RAE

Vol 1 Page

Appx.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				*					
				*					
			1	Lieut.-Colonels					
				Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in para. 10 of instructions for compilation of form will complete Part E(1) & E(2).	DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	* *	TOTAL.
	A.		4									4
	E.(1)											
	E.(2)											

* Insert detail of higher ranks as necessary.

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

2/1 Aust CW Laboratory RAE Unit

Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

37/43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 11 Sep 1943 (Total to agree with Columns 4 and 7 of Part A.)

1 Substantive Rank and Higher Temporary Rank if Held.	2 Army Number.	3 Surname.	4 Initials.	5 Posting.	6 Whether present with Unit (insert Yes or No)	7 If not present with Unit, state how employed.	8 Date of Detachment.
Major	VX14147	McALLESTER	J C	OC	Yes		
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	"		
Lieut	NX105276	BULL	C H	Chem Offr	"		
Lieut	VX112210	GOLDSTONE	F A	Ammi Offr	No	OC Advance Party, Hd L. of C Area	19 Aug 43

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

11 Sep 43

Date of Despatch

J C McAllester Maj

Signature of Commander

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3006 (Adapted) (Page 1) (Revised Jan., 1943)

38/43 (Serial No.)

WAR DIARY

At 0600 Hrs. Saturday 18/Sep/1943. 2/1 Aust CW Laboratory RAE (Unit)

W.E. AIF III 31/1. OFFRS. 6 O.R's. 24+ OFFRS. — O.R's. 1 ATT. BY W.E.

No. 13 Page 2

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				*					
				*					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in para. 10 of instructions for compilation of form will complete Part E(1) & E(2).

DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	**	TOTAL.
A.		4									4
E.(1)											
E.(2)											

* Insert detail of higher ranks as necessary.
** Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

WAR DIARY

2/1 Aust CW Laboratory RAE Unit

Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

No 1 — Page

38/43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 18/Sep/1943 (Total to agree with Columns 4 and 7 of Part A.)

1	2	3	4	5	6	7	8
Substantive Rank and Higher Temporary Rank if Held.	Army Number.	Surname.	Initials.	Posting.	Whether present with Unit (insert Yes or No)	If not present with Unit, state how employed.	Date of Detachment.
Major	VX14147	McALLESTER	J C	OC	Yes		
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	"		
Lieut	NX105276	BULL	C H	Chem Offr	"		
Lieut	VX112210	GOLDSTONE	F A	Amn Offr	No	OC Advance Party, Q'land L of C Area	19 Aug 4

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

18 Sep 43
Date of Despatch

J. McAllester Maj
Signature of Commander

a.w. 3m pads 2/43

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY
No 1 13 Page
Appx. 4

SECRET

Folio 21

Copy No. 4

2/1 Aust CW Laboratory RAE

G56/1/921

31 Aug 43

JAPANESE WATER PURIFYING OUTFIT

1. SOURCE

Received for examination from the Chief Technical Offr (CW).

2. APPEARANCE

The water purifying outfit consisted of a small tin holding three glass tubes of white powder and one small measuring spoon.

The tin, which was lacquered a dull olive green, measured 8.5 cm long, 4.5 cm wide and 1.5 cm deep. The hinged lid bore a white lacquered label with black characters, which were translated to read:—

"WATER PURIFYING AGENT.

(Disinfectant for Drinking Water.)

Brown Tubes (Germicide).
White Tubes (Neutralising Agent).

Directions for Use:

1. Place 1 spoonful of germicide into a filled water bottle (about 1 litre) and replace the stopper. Shake the bottle thoroughly for about 5 minutes.
2. After 5 or 10 minutes, add 1 spoonful of the neutralising agent and use after shaking.
3. (Note.) Wipe the spoon thoroughly after use.

Army Medical Supplies Depot."

The inside of the lid was lacquered white and the inside of the tin was varnished. The tin was also lined with cardboard and the three tubes were lying in a second piece of cardboard folded to receive them.

The tubes (numbered 1, 2 and 3 for reference) were each approximately 6.5 cm long and 1.3 cm in diameter. Tubes 1 and 2 were of amber coloured glass, 3 was of clear glass. Each was fitted with a cork which was sealed with a paraffin-like wax. The seal on 3 was broken. Each tube bore a paper label 0.9 cm wide and 3.8 cm long. The labels on tubes 1 and 2 were identical and on translation read "GERMICIDE"; while that on tube 3 reads "NEUTRALISER."

The spoon, made of pressed aluminium, was 6.3 cm long overall, and measured approximately 0.1 gm of each of the powders in the tubes.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

3. CHEMICAL EXAMINATION

Tubes 1 and 2. (Germicide.)

Tube 1 contained a gritty white paste, tube 2 a coarse white powder. Both substances gave a strong odour of chlorine and appeared to be ordinary bleaching powder, moistened in the case of tube 1. This was confirmed by analysis which showed the powders to contain:—

	Tube 1	Tube 2
Weight of contents	6.6 gm	5.5 gm
	Per cent	Per cent
Calcium chloro-hypochlorite ..	7.1	12.3
Calcium chloride	65.6	76.2
Calcium hydroxide	3.1	2.2
Water (removable in vacuo over Calcium chloride)	20.6	3.0
Undetermined	3.6	6.3
Available Chlorine	3.4	6.9

Tube 3. (Neutraliser.)

The neutraliser was a white powder which was shown to have the following composition:—

Sodium thiosulphate (calculated as anhydrous)	74.8%
Water	25.1%

The water present is insufficient to hydrate all the sodium thiosulphate; hence the neutraliser, as examined, was a mixture of the hydrated (68.1%) and anhydrous (31.9%) salts. It is possible that it was prepared as the latter, which has the greater reducing power per unit weight.

4. APPENDICES

The following are attached:—

Appx A. Method of Analysis.
Appx B. Photographs of Outfit.

[signature]
Maj
Comd 2/1 Aust CW Laboratory RAE

Distribution:

	Copy No
DMO (M07) LHQ ..	1
File	2
Technical Diary .	3
War Diary ..	4

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX A to 2/1 Aust CW Laboratory Folio 21

METHOD OF ANALYSIS

1. GERMICIDE

See analysis of bleaching powder, Appx A to 2/1 Aust CW Laboratory Folio 2.

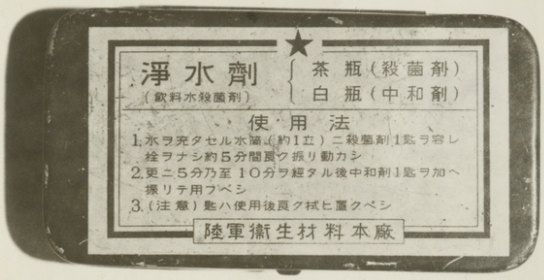
2. NEUTRALISER

~~The sodium thiosulphate was determined by direct titration with standard iodine on the powder after drying to constant weight in vacuo over calcium chloride.~~

The moisture was determined by drying the powder to constant wt. in vacuo over calcium chloride.
The sodium thiosulphate was estimated by direct titration with standard Iodine.

N.B.—$Na_2S_2O_3.5H_2O$ loses its water of crystallisation in vacuo over anhydrous calcium chloride.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646



Full Size



Full Size

JAPANESE WATER PURIFYING OUTFIT

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/1 AUST C W
LABORATORY R.A.E.
File No. Folio 21
Aug 43

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

SECRET

WAR DIARY

Vol 13 Page

Appx. 2

2/1 Aust CW Laboratory RAE
Q27/1/931
9 Sep 43

ORDERS TO ADVANCE PARTY No 2

1. Weekly reports of 29 Aug 43 and 5 Sep 43 have been received.

2. Spr Jones W A is required here as soon as possible. Advice is requested of the date on which his services can be spared by you; on receipt of this a movement order and rail warrant will be forwarded.

3. Advice is requested of the date on which drawings and blue prints of the following will be ready:—

163 Generator,
Rifle Grenade (Smoke),
Japanese Water Filter.

(Details have been communicated in personal letter.)

Care should be taken that all components and parts are lettered in each drawing — A, B, etc.

4. Information on the whereabouts of Driver IBBOTT G A is to be sought from Spr Jones and if obtained, wired to this HQ.

5. Infm is required as to disposal of Mob 3's for Jones W A. If signed by OC Adv Party, please advise when and where despatched.

6. Advance Party Report, 29 Aug 43, para 7, stated that no copy of orders to OC Advance Party were held. A further copy is att.

7. No returns to DRO Queensland L of C Area will be made by Adv Party without prior reference to this HQ.

8. It is anticipated that main body will arrive on or about 27 Sep 43, irrespective of readiness of laboratory accommodation. A rear party (chemists and laboratory assistants) will probably remain in Melbourne for MSL training, etc, until laboratory at St Johns Wood is complete. Your comments on this plan and an estimated date on which laboratory will be complete are required.

9. Spr Curtis has returned from hospital. In view of the shortage of time available for packing, his services may be retained here for preparation of crates, etc.

Your advice on the availability of carpenters in your area is requested.

10. Cooking gear was despatched on 30 Aug 43 and T2 (Consignment Note) fwded to you separately.

11. Subsistence is not payable on your claims and travelling allowance at 2/3 full rate (less field allowance for officers) has been substituted. The attached claims are to be signed and submitted to nearest depot cash office for payment. File copies are to be initialled and returned to this HQ.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

12. A further consignment of eqpt was despatched to you on 6 Sep 43. Fuze wire must be obtained by you locally. Advice is requested as to type, size and purpose of containers required.

13. (a) Sink plug centre is—
17" from rear face of bench,
43½" from sides of bench.

(b) Bottom face of plug fitting is 28" from floor.

(c) A sample bench with fitting will be made available as soon as one can be spared from laboratory.

(d) It is recommended that bench layout be treated as Priority 2 and partitioning as Priority 1. Your blue print is under consideration and further instns will be issued. The office accommodation at the front of the building is to be left until last, pending this.

14. Advice is requested of the minimum water pressure and flow available under existing conditions, and the possibility of increasing these figures by the use of a larger main. On receipt of this information, tests will be made here to ascertain the need for a "booster" system.

15. VX35630 Pte HUGHES E L was sent from GDD Redbank to RRD on 26 Aug 43. You should contact RRD, ascertain his whereabouts and endeavour to obtain his transfer to Adv Party, under authority LHQ SM18534 of 21 Jul 43.

16. Check with LTD, Brisbane to ascertain if the carpenter from Bonegilla, who is VX65026, Pte WILLIAMS J, has arrived. Pte Williams is to be att for one month.

H C Worcester
Maj
Comd 2/1 Aust CW Laboratory RAE

Copies to:
File
War Diary

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

MINUTE PAPER

WAR DIARY
Vol 13 Page 6
Appx

SECRET

DEPARTMENT OF THE ARMY

SUBJECT: MOVEMENT -- 2/1 AUST CW LABORATORY RAE FROM VIC TO QLD L OF C AREA

2/1 Aust CW Laboratory RAE
Q41/3/958
13 Sep 43

2 Aust Movt Control Gp

1. Reference LHQ SD49480 and Milbase 5387 of 18 Aug 43, the following infm is submitted in accordance with SO's for Movt Within Aust, Sec VII, para 2.

2. Unit is located at Broadmeadows Camp (FW5121 -- Extensions 1, 2, 139).

3. Advance Party:

1 offr, 5 OR's, 2 vehs, 5 tons eqpt have already moved (MCO's 4750, 4758 refer).

4. Main Body:

(a) By road--
1 offr, 1 OR with 3-ton laboratory veh (Chevrolet) (out of gauge -- length 24' 2", width 7' 4", height 10' 4", loaded weight approximately 7 tons).
Ready to move 21 Sep 43.

(b) By rail--
4 sgts, 6 OR's. Ready to move 20 Sep 43.
It is recommended that portion of this party be sent with stores listed under (c) below, to facilitate loading and unloading and security en route.

(c) Eqpt per goods rail--
Estimated requirement: 3 'U' type rail trucks (advised by Cpl Brown, RTO, Broadmeadows).
It would be appreciated if these trucks could be made available at Broadstore siding on 18 Sep 43, as HQ Vic L of C Area have ordered that buildings occupied by this Eqpt be vacated on that date.

5. Rear Party:

Two offrs and 6 OR's are required to work at Broadmeadows and Maribyrnong until laboratory accommodation in Queensland is completed. It is estimated that this will occur late in October.

Remaining 2 Unit vehs -- Car DS (Ford) and truck 12-cwt GS (Dodge) are required to remain with rear party and will carry all stores held by them when moving.

Maj
Comd 2/1 Aust CW Laboratory RAE

Copies to:
DMO (MO7) LHQ
War Diary

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

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SECRET

2/1 Aust CW Laboratory RAE
Q27/1/965
13 Sep 43

ORDERS TO ADVANCE PARTY No 3

1. Receipt is acknowledged of copy of P26 and Description of Works.

2. Amendments required are:—

Item 1(g) Windows are also needed in Chem Sec and CW Sec offices.

Item 9(e) Lighting points (2) in laboratory are insufficient, especially when compared with 6 in the workshop!

One light is required over each pair of benches and the fume cupboard.

3. Nomenclature A B C Sections is unauthorized and must be amended. 1, 2 and 3 may be used if "Amn," "Chem," "CW" are too cumbersome.

4. Location of phones should be advised. The OC's phone should be situated so that it is accessible from the officers' quarters, to facilitate use by duty officer. One phone is needed in orderly room; others available should be allotted to CQMS, Workshop, Chem and CW offices, in that order of preference.

5. Confirming telephone conversation, the following adm matters are advised:—

(a) Vic L of C Records Office state definitely that returns are NOT to be submitted to Q'land L of C Records Office. Advice will be sent to them by Vic L of C Records. Copy of our Mob 3 is att for your infm.

(b) The following are to be despatched immediately by you:—
(i) Warrant (HL1), No. C608326.
(ii) History Sheets for B4 shell.
(iii) VX42707 Spr JONES W A.
(iv) All G2's for August. They are to be checked carefully, particularly for petrol accounting, beforehand.
(v) List of breakages in transit. (Replacement action will then be taken here.)

6. No further action need be taken by you re Ptes Dodd, Hughes and Shimmin, till advised.

7. Further to para 2, water and drainage are needed at wash-up and oven benches, and in H lab. Gas is needed in H lab.

Maj
Comd 2/1 Aust CW Laboratory RAE

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WAR DIARY
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SECRET

2/1 Aust CW Laboratory RAE
Q41/1/96
14 Sep 43

MOVEMENT ORDER No 26/43 -- Copy No. 11.

1. The main body of the Unit will move in accordance with orders to be issued by 2 Aust Movt Control Gp.

2. Lieut J R B Neil will be in charge of main body.

3. Road Party--

Lieut Neil
Spr Rossborough } Truck, 3-ton, Chemical Laboratory to be ready to move 21 Sep 43.

Lieut Neil to ensure that sufficient cash is held for meals en route.

4. Eqpt by Rail--

(a) S/SGT Code
Sgt Brunton
Sgt Goudy
Spr Allen } Escort to Unit eqpt per goods rail, to be ready to move by 1200 hrs Sunday, 19 Sep 43. CQMS to arrange cash for meals en route.

(b) CQMS is responsible for all loading. Arrival of trucks on 18 Sep 43 must be checked with RTO (Cpl Brown) 2 days in advance.

(c) All Unit eqpt, including 3-ply and building materials but excluding eqpt on veh 72811, and photographic eqpt to be left with rear party, will be loaded.

(d) All cases must be marked, numbered and listed. One copy of lists will be delivered to OC on 19 Sep 43 and one retained by CQMS. Lists must show the type of eqpt in each case -- e.g., "electrical parts," "clothing," "beakers"; but need not detail sizes and exact quantities. Lieut BULL is responsible for packing and listing all laboratory eqpt, and for loading on 3-ton laboratory truck. All other packing and loading will be the responsibility of the CQMS.

(e) Orderly room eqpt, less technical files and library, will be loaded on rail trucks. L/Sgt Hamlyn-Harris will be responsible for retaining sufficient stationery and office requisites (small roll book, selection of necessary forms) for adm of rear party.

(f) CQMS will arrange for 6 tables (6' x 3') to be obtained on loan from Camp QM for use by rear party. All tables on Unit WET will be loaded on rail trucks.

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5. Personnel by Rail--

L/Sgt McLaren Spr Barber " Curtis " Paterson (if transferred) " Plummer " Shaw	To be ready to move Monday, 20 Sep 43. F59's for journey and A19 to be obtained from Orderly Room by L/Sgt McLaren.

6. All ranks moving will carry all eqpt and clothing on issue and one blanket. Total blankets will be endorsed on Mob 3's.

All parties must be in possession of Mob 3 and Movement Order.

7. All movement times will be advised separately to offrs and NCO's in charge of parties.

8. All parties will report on arrival to St John's Wood Hall, telephoning to Lieut Goldstone (F8989) as far in advance as possible.

9. Rear Party--

Lieut Bull WO Butler Sgt Smith Sgt Kellick L/Sgt Hamlyn-Harris Cpl Dover Spr Dover Spr Jones	To remain at Broadmeadows till laboratory at new site is complete (late Oct, approximately).

10. The following stores will be retained by rear party:--

(a) 6 tables and associated stools, and office eqpt (see para 4(e).
(b) Technical files and technical textbooks.
(c) 2 bookcases (with folding shutters).
(d) Photographic eqpt -- to be installed in new quarters under supervision of Sgt Brunton, before 20 Sep 43.
(e) Vehs 16997 and 70133, which will carry the above stores when rear party moves.

11. Personnel in rear party will move offices in NW Block to present Orderly Room on 18 Sep 43.

[signature]
Maj
Comd 2/1 Aust CW Laboratory RAE

Distribution:

	Copy No
Amn Sec (Sgt Brunton)	1
Chem Sec	2
CW Sec	3
OC Advance Party ..	4
Adjt	5
CQMS	6
ORS	7
L/Sgt McLaren ..	8
L/Sgt Hamlyn-Harris	9
File	10
War Diary	11-12

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SECRET

Folio 19

Copy No. 5

2/1 Aust CW Laboratory RAE

666/2/977

16 Sep 43

GAS AND WATER RESISTANT PAPER

1. SOURCE

A sample of resistant paper, manufactured by the S. D. Warren Co, USA, was received from LHQ under cover of SM13444 of 3 Jun 43. The manufacturer's reference number for the sample was 89769.

2. APPEARANCE

The paper is dark green in colour, 0.076 mm in thickness and weighing 82.7 gm per square metre. Both sides appear to have been proofed. The paper creases readily and the damage thereby caused to the proofing is easily noticeable.

3. SUMMARY OF RESULTS

(a) Resistance to Mustard and Lewisite.

		Penetration times in mins. Paper uncreased	Paper creased	Fabric D
Mustard liquid (30°C)	..	>140	2	23
Mustard vapour (20°C)	..	>240	55	180
Lewisite liquid (30°C)	..	16	4	approx 9
Lewisite vapour (20°C)	..	>180	26	100

Where the proofing film was undamaged, the paper was very resistant to penetration by mustard, liquid or vapour. The paper also showed a slightly higher resistance to lewisite liquid than did a sample of Fabric D, there being no marked difference in the penetration times.

The paper, where creased, was no longer resistant to liquid penetration but was still found to afford a measure of protection against vapour.

Mustard did not materially affect the "proofing" of the paper; a slight smoothing of the surface was noticed when viewed under the microscope.

With both lewisite liquid and vapour, the colour of the paper was changed to a dark purple. Microscopic examination after decontamination by boiling (30 minutes) showed ruptures on the surface, but only in the area which had been in contact with the lewisite. This indicated a weakening of the proofing film by the lewisite.

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(b) Resistance to Water and Tensile Strength.

Sample	Direction	Condition of Test Piece	Ultimate load in lbs on strips 1½" wide
Paper	Machine	Dry	26
		Immersed in water 1 hr	12.5
	Crosswise	Dry	15
		Immersed in water ½ hr	8
		Immersed in water 1 hr	6.5
Fabric D	Warp	Dry	69
	Weft	Dry	64

The above figures should not be considered as giving a complete indication of the strength of the paper. It was not possible to carry out standard bursting tests as applied by paper manufacturers.

The paper did not permit the passage of water, but its tensile strength decreased almost by half after immersion for one hour in water.

The resistance of the paper to lewisite penetration was not affected by immersion in water for three hours and subsequent drying.

(c) Inflammability test.

The paper was not readily inflammable and although it charred when ignited by a flame, the combustion of the paper did not persist.

6. APPENDIX

The following is attached:—

.... Appx A — Details of Examination and results.

Maj
Cond 2/1 Aust CW Laboratory RAE

Distribution:

	Copy No
DMO (MO7) LHQ ..	1
No 5 (Mobile) Section ..	2
File	3
Technical Diary .	4
War Diary . ..	5

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX A to 2/1 Aust CW Laboratory Folio 19

1. DETAILS OF EXAMINATION

(a) Resistance to Mustard and Lewisite.

The resistance of the paper to mustard and lewisite, both liquid and vapour, was determined by Standard Penetration Tests as described in Folio 13, Appx's B and C. For tests with lewisite liquid, the congo red paper was not treated with Impregnite solution, and for vapour penetration tests with lewisite and mustard the lead acetate paper was not required, as there were no products of decomposition to affect the test paper. Due to its rapid hydrolysis, vapour penetration tests with lewisite were conducted in a moisture-free atmosphere.

Parallel tests were carried out with Fabric D for purposes of comparison.

(b) Resistance to Water and Tensile Strength.

Tensile strength tests were carried out at the Munitions Supply Laboratories, Maribyrnong. The tensile strength was determined after different periods of immersion in water. The water-proofing qualities were tested by filling with water a container made of the paper, and allowing it to stand.

(c) Inflammability Test.

The inflammability was tested by igniting the paper in a match flame.

2. RESULTS OF TESTS

(a) Resistance to Mustard and Lewisite.

Penetration Test	Sample	Penetration Times (Mins: at 30°C)		
Mustard liquid	Uncreased	>140,	>140,	>140
	Creased	0,	1,	2
	Fabric D	22,	24,	21
Lewisite liquid	Uncreased	18, 15, 22, 15, 15, 15, 14, 15		
	Creased	0,	3,	4, 5
	Fabric D	9 (approx)		

Permeation Test	Sample	Permeation Times (Mins: at 20°C)		
Mustard vapour	Uncreased	>240,	>240	
	Creased	51,	58,	>240
	Fabric D	>180,	>180,	>180
Lewisite vapour	Uncreased	>180,	>180,	>180,
	Creased	22,	35,	23
	Fabric D	105,	95,	100

(b) Resistance to Water.

(i) Lewisite liquid on paper dried after 3 hours soaking. Penetration time at 30°C: 15, 15, 16, 15 minutes.

(ii) Paper container filled with water exhibited no seepage after one week.

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Appx. 10

2/1 Aust CW Laboratory RAE
Q27/1/4
20 Sep 43

ORDERS TO ADVANCE PARTY No 4

1. Weekly report of 12 Sep 43 was received on 17 Sep 43. Blueprints of 163 Generator were received on 15 Sep 43 and those of water filter on 18 Sep 43. G2's for August and Mob 3's for Pte Williams arrived on 20 Sep 43.

2. Copy of Unit Movt Order (26/43) for Main Body has been fwded to you separately.

   Parties are due to arrive—
   (a) by troop train — 5 ORs on 22 Sep 43
   (b) by goods rail — 4 ORs on 25 Sep 43
   (c) by road — 1 Offr, 1 OR on 29 Sep 43.

   Reference may be made to 2 Aust Movt Control Gp MCO 5045 if further details are needed. A copy should be held by HQ Q'land L of C Area.

3. Further modifications to partitioning are notified:—
   (a) Provide door into Q office from drawing office side.
   (b) Reduce Amn Sec office to 12' 0" in length and move Q office accordingly.
   (c) Increase "Additional Store" to 8' 0" wide and reduce corridor adjacent to stage to 3' 0" wide.
   (d) Cancel door leading into Q Store at end of the latter corridor and widen the door opposite the landing to conform to double doors if possible.

Orig. H.H.

(Diagram att)

4. Investigations should be made with a view to installing a boiler to supply hot water to laboratory benches, wash-up bench, and (unofficially) to showers and kitchen.

5. Efforts have been made to trace Orders No 2, despatched to you Airmail, registered No 1334 on 9 Sep 43. The packet has not been located in Vic and must have reached 3 Aust Base Post Office.

[signature]
Maj
Comd 2/1 Aust CW Laboratory RAE

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WAR DIARY
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Appx. 11

2/1 Aust CW Laboratory RAE
A1/9/6
21 Sep 43

ORDERS TO MAIN BODY No 1

1. These orders will take effect from the arrival of veh 72811 at St John's Wood.

2. Lieut J R B Neil will administer command of the Unit in the absence of the OC.

3. Lieut F A Goldstone will be in sole charge of all works to be carried out. Matters for decision will be referred by him direct to the OC at Broadmeadows, Vic.

4. Lieut Neil, in addition to administrative duties, will be responsible for unpacking and checking of all stores and the setting out of laboratory apparatus and chemicals when the laboratory is ready for occupation.

5. Local leave may be granted on two evenings per week until 2400 hrs and on a rest day from 1700 hrs the previous day until 2400 hrs on the rest day.

6. Accumulated leave will not be granted without reference to the OC.

7. A reveille parade, to be taken by an officer, will be held daily at the time laid down by the Area Commander.

8. Mail for the rear party will be directed to Broadmeadows Camp, Vic; the Unit name being deleted.

9. Local purchase arrangements will NOT be made with AAOC in Queensland. Any items required will be notified to the OC at Broadmeadows, specifying cost and exact address of supplier; a TS3 will then be forwarded.

10. Controlled stores will NOT be released without reference to the OC.

11. Field Returns will be submitted to DRO, Warwick, showing members of rear party as "detached in Vic L of C Area as rear party."

12. All administrative matters affecting the Unit will be handled at St John's Wood but all technical matters and documents, if received, will be referred to Broadmeadows. Correspondence, official or otherwise, will be addressed personally as per para 8.

13. Particular care is to be taken with all forms and returns affecting transport. The nature of all duties for which a veh is used are to be shown on the work ticket and all work tickets will be signed by Lieut Neil. AAF G3 will be used one for each veh, to effect a daily balance of POL. Tpt returns for vehs with Rear Party will be fwded to St John's Wood at the end of the month, for inclusion in monthly returns.

14. Any AMF Weekly Int Reviews received at St John's Wood will be despatched immediately to the OC at Broadmeadows, addressed in accordance with para 8.

15. Every effort is to be made to bring all personnel to DP1 Standard dentally, as opportunity offers.

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16. A weekly report, detailing daily progress for the preceding week, is to be despatched to the OC each Monday by Registered Airmail.

17. The following allocation of drs will operate forthwith and will be rigidly observed:—

Veh No	16997	Spr JONES
	70133	Spr DOVER
	109917	Spr BARBER
	53191	Spr PLUMMER
	72811	Spr ROSSBOROUGH

Disciplinary action will be taken against anyone, other than the regular dr, found driving a veh.

Maj
Comd 2/1 Aust CW Laboratory RAE

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War Diary
~~File 41/3~~
Adv Party.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

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Appx

2/1 Aust CW Laboratory RAE
Q27/1/18
25 Sep 43

ORDERS TO ADVANCE PARTY NO 5

1. Weekly report of 19 Sep 43 and other documents were received on 22 Sep 43.

2. Please advise date of receipt of orders No 2.

Orig Nil. 3. Copy of "Orders to Main Body No 1" + nominal roll is attached for your infm.

4. You should accept what water supply can be provided; if it is insufficient to operate filter pumps we will rely on a Beecox pump to provide suction at laboratory benches.

5. Remnants of rifle grenade will be despatched to you to enable drawings to be finished.

6. In the event of insufficient work being available for the dra draughtsman he should be encouraged to work on coloured drawings of Japanese CW weapons. Infm on markings etc could be supplied from here on request.

7. It has been impossible to complete tool deficiencies here - either from Ordnance Stocks or from Local Purchase. Sgt Brunton can give details of his attempts to locate tools in civil firms. Please advise on the availability of such tools in local firms, if any. It is possible that some items listed on your pages 6-7 were received here just prior to departure of main body.

8. All documents listed at end of report of 19 Sep 43 have been received here. Any vouchers received in future should be retained for CQMS.

Orig. Nil. 9. Mess accounts - Lieuts Neil and Goldstone are forwarded for immediate attention.

10. Stoves (Metters type) are only obtainable through Engr Services in the L of C Area in which they are to be installed.

11. Signal re Sigmn Corner received. If he arrives take him on strength and advise.

J H C Leicester
Maj
Comd 2/1 Aust CW Laboratory RAE

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WAR DIARY or INTELLIGENCE SUMMARY.

(Erase heading not required.)

ORIGINAL SECRET 2.JAN.1944

Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 1 Oct 43 To 2 Oct 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	1		An inspection of the Unit was made by Comd 2 L of C Sub-Area, who found conditions satisfactory. Some fencing materials were collected, and the framing of the workshop roofing was completed. A wireless set, purchased out of Regtl Funds for the Sprs' Mess, was received from Amenities.	
Broadmeadows			Work was commenced on the first batch of reports received from MSL and those required were copied.	
Brisbane	2		The supervision of all matters relating to the Unit Canteen was made the responsibility of Sgt Brunton, Sgt Goudy and Cpl Kline, with effect forthwith. Profit to date exceeds £2. VX15224 Spr Dodd S C, Formerly 2/14 Aust Inf Bn, was taken on strength from 16 Aust Pers Staging Camp. His transfer had been approved some time ago.	

L.

By Authority: L. F. JOHNSTON, Commonwealth Government Printer, Canberra.

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WAR DIARY or INTELLIGENCE SUMMARY. SECRET

(Erase heading not required.)

Army Form C. 2118. (adapted.)

2

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 2 Oct 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	2 (contd)		Electrical repairs were effected to the band hacksaw.	
			The boundary posts enclosing the tennis court were concreted	
			in position.	
			Prefabricated huts for accommodation of personnel were collected.	
			A van, 1-ton, GS, was obtained on loan from 4 Aust Veh Pk, to	
			assist in the collection of constructional material.	
Broadmeadows			At the weekly conference at MO7, the reduction of issue of	
			anti-gas eqpt to Base and L of C tps was the main item discussed.	
			Unsuccessful efforts were made at LHQ to trace the application	
			for finance for works services from HQ Q'land L of C Area.	
			At CPO issue orders for photographic supplies were investigated.	
			The shortage of 35-mm film is becoming serious.	
			Capt King visited the rear party and discussed the report on the	
			Examination of B4 Shell Chargings.	

L.

By Authority : L. F. JOHNSTON, Commonwealth Government Printer, Canberra.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY or INTELLIGENCE SUMMARY. SECRET

(Erase heading not required.)

Army Form C. 2118. (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 3 Oct 43 To 4 Oct 43

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	3		Sunday is observed as rest day for the majority of personnel.	
	4		Three more prefabricated huts were collected. Repairs were effected to sheet iron roofing over the workshop. Rain interfered with outside work.	
			DFO staff were interviewed regarding [redacted] the Supplementary Rations Account.	
Broadmeadows			Sgt Kellick was sent to Sydney to deliver HT to Sydney Tech College, where Dr Reuter is to prepare T724 from it, under arrangements made by the Scientific Liaison Bureau.	
			At MSL Maribyrnong, a second batch of reports was obtained on loan, copying of the first batch being completed.	
			At LHQ it was ascertained that the finance authority for Unit eqpt had been transferred to Q'land L of C Area as requested, under FA 1/367.	

By Authority: L. F. JOHNSTON, Commonwealth Government Printer, Canberra.

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WAR DIARY or INTELLIGENCE SUMMARY. SECRET

(Erase heading not required.)

Army Form C. 2118. (adapted.)

4

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 5 Oct 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	5		NX77793 Cpl Corner G G was taken on strength from NG Air Warning Wireless Coy, for duty as laboratory assistant. A demand for building materials required for modifications to the hall, was submitted. Arrangements were made with 43 DCRE to obtain the services of an additional carpenter. Advice was received from DADOS that when replacement of clothing is required, the indent must be lodged together with Return Voucher -- both must tally and unserviceable articles are to returned within 7 days. No excess clothing is permitted above 5% reserve. These arrangements are much more rigid than those adopted in Vic L of C Area.	
Broadmeadows			Arrangements were made with CPO for issue orders to be made out for urgent photographic requirements. These will be delivered to the depot concerned to expedite issue.	

L.

By Authority: L. F. JOHNSTON, Commonwealth Government Printer, Canberra.

Spr Dowd reported to the rear party on transfer from 26 Aust Fd Coy.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

5

WAR DIARY or INTELLIGENCE SUMMARY. SECRET

(Erase heading not required.)

Army Form C. 2118.
(adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 6 Oct 43 To

Place.	Date.	Hour.	Summary of Events and Information.	Remarks and references to Appendices, Diaries, &c.
Brisbane	6		Adv LHQ and 1 Aust Ord Veh Pk advised that the transfers of Ptes Hughes (batman) and Patterson (draughtsman) respectively, were not approved.	
			Gate posts were concreted in. Wire netting was moved onto the new boundary enclosing one tennis court on which huts will be erected.	
			Portion of the workshop was roofed.	
			DDME staff were interviewed regarding supply of acetylene and oxygen. Owing to short supply of cylinders, issue of one only is made and then only on return of empty cylinder.	
Broadmeadows			Indents were submitted for Cork Borers (for Mobile Section) and for a new photographic enlarger.	
			The proposal for placing the Mobile Section in NG was discussed with Maj Carter.	
			Advice was received from NGF that a wide variety of items of CW	

L.

By Authority: L. F. JOHNSTON, Commonwealth Government Printer, Canberra.

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WAR DIARY or INTELLIGENCE SUMMARY SECRET

(Erase heading not required).

Army Form C. 2118 (adapted,)

H. 100M

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 6 Oct 43 To 8 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	6 (contd)		significance had been captured at Lae and that samples had been despatched to 2/1 Aust CW Laboratory.	
Brisbane	7		Fence posts were received from 43 DCRE and construction of the fence around the Unit area was commenced. One prefabricated hut was erected for trial, without base plates and flooring. A gap was made in the stage of the hall to take steps leading into the men's mess. Repairs were effected to the rear springs of Cvt 15-cwt GS. An indent was lodged with DADOS for requirements of clothing and necessaries.	
Broadmeadows			Further reports were obtained on loan from MSL Maribyrnong, examination of the second batch having been completed.	
Brisbane	8		The remaining fence posts were finished and wiring was commenced. A boiler was obtained for installation adjacent to the laboratory.	

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY or INTELLIGENCE SUMMARY

SECRET

Army Form C. 2118 (adapted,)

(Erase heading not required).

H. 100M

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 8 Oct 43 To 9 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	8 (contd)		It is considered that a more liberal issue of soap is required to keep kitchen, etc, clean. The matter was discussed with DAQMG, who intimated that no increase could be made at present.	
Broadmeadows			Application was made to LHQ for distribution of reports from No 1 Anti-Gas Laboratory in India.	
			A request was passed to NGF for further supplies of the Jap Rifle Grenade (Smoke), if available.	
			Advice was received from SA L of C Area that Spr Dixon had been medically classified D (for discharge).	
Brisbane	9		The repair of sheet iron for the wkshop roof was continued.	
			A check was made of indents submitted by Advance Party for camp equipment and the necessary action taken to bring all the eqpt onto Unit charge.	
Broadmeadows			E in C Staff (Bomb Disposal) were consulted concerning an apparatus	

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WAR DIARY or INTELLIGENCE SUMMARY SECRET

Army Form C. 2118 (adapted,)

(Erase heading not required).

H. 1COM

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 9 Oct 43 To 11 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	9 (comtd)		for sampling gas-filled bombs which has arrived in Australia.	
			Folio 25, reporting on Japanese Toxic Smoke Generator 163K, was submitted to MO7.	APPENDIX 4. Japanese Toxic Smoke Generator Type 163K. (Folio 25)
Brisbane	11		Efforts were made to find out the circumstances of the confirmation of rank of NX77793 Cpl Corner G G. LHQ had arranged the transfer of this man as a Spr.	
			Fencing of the Unit Area was completed, except for gates. A concrete base for the boiler stand was poured.	
			The construction of the QM Store was commenced.	
Broadmeadows			At AD2, MGO Branch, the Munition Order for War Gas Samples was checked. Several errors in costing this order were discovered.	
			Sgt Kellick was sent to 3 Aust Base Ord Depot to expedite photographic supplies.	
			At MO7 it was ascertained that a signal, anticipating approval of expenditure on works at St John's Wood, had been sent to Q'land L of C Area.	

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WAR DIARY or INTELLIGENCE SUMMARY SECRET

(Erase heading not required).

Army Form C. 2118 (adapted,)

H. 100M

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 12 Oct 43 To 13 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	12		A further application was made for the transfer of Pte Shimmin J from 14 Aust Employment Coy. The main AAF P26 was investigated and the subsequent AAF P27 was taken to 43 DCRE. The first large amounts of timber were collected. Flooring of prefabricated huts was commenced. Clothing and necessaries were returned to RSD, in accordance with instns from DADOS.	
Broadmeadows			At the University, the construction of the cathetometer was discussed and various sizes, etc, checked.	
Brisbane	13		Negotiations were completed with DADOS, 2 L of C Sub Area and Ord Research Sec for the opening of an Ord Account and the issue of an Account number. Ord Research Sec indicated that all Units in this Area should operate an AAF F7 Ledger; but it was pointed out that LHQ have classified 2/1 Aust CW Laboratory as a non-accounting Unit.	

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY or INTELLIGENCE SUMMARY SECRET

(Erase heading not required).

Army Form C. 2118 (adapted,)

H. 100M

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 13 Oct 43 To 14 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	13 (contd)		All piping and plumber's fittings except 2" GWI pipe were collected.	
			Erection was commenced of brick walls for boiler housing.	
			An additional carpenter arrived on loan from 2 Aust Maint Pl RAE.	
			A general replacement issue of clothing and necessaries was made.	
Broadmeadows			The report on 25-pr BE Trials at Darwin and MSL report on Jap	
			"Screens" were received.	
			Extract of infm on T724 was prepared for Dr Reuter of Sydney Tech College.	
			At AD2 (MGO Branch) CCI specifications for Chemical Chargings were	
			examined.	
Brisbane	14		The Aust Sec (Lieut Simpson) of the Allied Enemy Eqpt Board was	
			contacted with regard to the forwarding of samples of captured	
			Jap eqpt. of CW Significance It was stressed that all samples should be fwded direct	
			to 2/1 Aust CW Laboratory and not via MO7, LHQ.	
			Modifications to the hall are proceeding favourably. Approximately	

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY or INTELLIGENCE SUMMARY SECRET

(Erase heading not required)

Army Form C. 2118 (adapted)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 14 Oct 43 To 15 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	14 (contd)		six tons of timber and seven tons of sand and gravel were collected from Engr Services. Six prefabricated huts were erected on prepared flooring.	
Broadmeadows			Mr Cummins of SLB was interviewed and the procedure for arranging work by outside organizations was discussed with him. The position of Unit WET was discussed with Capt Bates and Maj Davies at Wesley.	
Brisbane	15		A visit was paid to the Unit by Mr F A Priest, from the Brisbane office of the Scientific Liaison Bureau. Mr Priest intimated that, when the laboratory is properly equipped, the Bureau may request our assistance in the solution of chemical problems. Mr Priest was accompanied by Capt Gielis, GSO.III (CW) Q'land L of C Area. Much time was spent endeavouring to arrange for 2" GWI pipe in lieu of 2" black iron piping for water supply. The former is not available.	

4-43—Govt. Printer, Brisbane.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY or INTELLIGENCE SUMMARY

SECRET

Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 15 Oct 43 To 16 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	15 (contd)		Sleeping quarters were arranged in huts.	
			V378096 Spr Hohne K H rejoined Unit from Rear Party. He commenced duty as draughtsman with the Amn Section.	
Broadmeadows			At Mil Hist Section, photographic paper supplies were exchanged for light weight papers more suitable for work on hand.	
Brisbane	16		5 Fd Hyg Sec was approached to obtain infm and materials for the construction of fly-traps and incinerator. The Sec was most co-operative, all the necessary materials and blueprints were obtained and work was commenced.	
			Work was commenced on framing for the partitioning of the hall and on the drainage system of the laboratory.	
			Supplies of gauges, radius and calipers, were received from 2 Aust Base Ord Depot.	

4-43—Govt. Printer, Brisbane.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

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WAR DIARY or INTELLIGENCE SUMMARY SECRET

Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 17 Oct 43 To 18 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
~~XXXXXXXXXX~~	17		Sgt Reynolds, draughtsman, on loan from LHQ Gas School, was	
Brisbane			detached for duty with Rear Party. He took with him various	
			items of photographic eqpt required by Rear Party.	
			Sgt Kellick joined the Unit from the Rear Party.	
	18		Consideration was given to the construction of a fume cupboard	
			for the Truck, 3-ton, chemical laboratory. All the necessary	
			materials are on hand, but with the limited number of tradesmen	
			available, work cannot be started on this project until the	
			preparation of the accommodation for the Main Body is complete.	
			The use of a 3-ton veh was obtained and timber was collected. The	
			installation of a telephone switchboard and extensions was commenced	
			by PMG's Dept. A demand was submitted to Engr Services for the	
			construction of an additional grease trap for the kitchen effluent,	
			the repair of the culvert near the corner of the allotment, the	

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WAR DIARY or INTELLIGENCE SUMMARY

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Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 18 Oct 43 To 19 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	18 (contd)		lighting of 7 prefabricated huts and the cleaning of the septic tank. The drainage system for the laboratory was completed as far as possible pending the erection of the laboratory benches. Work on piping for the water supply was commenced. Approximately one-quarter of the framing for partitioning of the hall was completed. An indent was submitted for a wheelbarrow, which is urgently required for handling building materials.	
Broadmeadows			Advice was received of readiness of coal gas cylinders. Arrangements were made with 2 Base Ord Depot for issue.	
Brisbane	19		The incinerator was completed and put into operation. Only a small amount of refuse from the kitchen will have to be burned, as arrangements have been made for the disposal of "pig swill" to a neighbouring farmer. A search was made among civil firms for 2" galvanized iron pipe	

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WAR DIARY or INTELLIGENCE SUMMARY

SECRET

Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 19 Oct 43 To

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	19 (contd)		in lieu of available 2" black piping for water supply mains. There is not likely to be any GI piping available for many weeks. Arrangements were therefore made to obtain outstanding piping in black iron. Further repairs were effected to the transmission of Cvt, 15-cwt, GS. Efforts have been made for some considerable time to obtain a set of BSP screw-cutting tools. Owing to short supply, delivery could not be effected. DDME, Q'land L of C Area, has intimated that efforts will be made to locate a set.	
Broadmeadows			The possibility of appointing Lieut Ryan of LHQ Gas School to this Unit was discussed with Maj Lines at MO7. Advice was received of the intention that the Unit will process 35-mm film forwarded by Tech Offrs (CW) from NG. Points concerning the Unit, contained in a letter from Maj Carter in NG, were discussed with Maj Lines.	

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WAR DIARY or INTELLIGENCE SUMMARY

SECRET

Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 20 Oct 43 *To* 21 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	20		A fly-trap was constructed and various types of "tanglefoot" traps were set up. It is hoped that these will reduce the number of flies. Larger size (1¼-2") dies were borrowed from Engr Services. Arrangements for water, gas and electricity supply to the laboratory were made by 43 DCRE. Some fire-fighting appliances were collected from Engr Services.	
Broadmeadows			At MSL, the possibility of X-ray examination of Captured Respirators was discussed with Mr Hogg. It is hoped to arrange that X-ray photographs be taken in Brisbane, to ensure early identification of any new types encountered.	
Brisbane	21		Advice was received of the confirmation of Cpl Corner's rank from 18 Aust L of C Signals. Some experiments were conducted on the production of a draught for the fume cupboard in the chemical laboratory veh, on the Venturi	

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WAR DIARY or INTELLIGENCE SUMMARY

(Erase heading not required)

SECRET

Army Form C.2118 (adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 21 Oct 43 To

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	21 (contd)		principle. Indications are that this method, which avoids corrosion of the fan and motor, will be successful, as the fume cupboard is small, and the capacity of the fan large. All the fibro-cement sheeting was collected from Engr Services. The fencing and gates were completed. The City Council commenced work on the water supply main to the laboratory.	
Broadmeadows			At DADOS Vic L of C Area the state of Unit War Eqpt Table was discussed with Capt Sawyer. It was decided that all E2(a)s would be consolidated and passed to WET Section of MGO Branch. Copies of the CCI specification for chemical chargings were obtained from AD2, D of A, MGO Branch. A copy of the report on Unit function was loaned to Mr Cummins of SLB. The possibility of use of microfilm for copying documents was discussed at CPO.	

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WAR DIARY or INTELLIGENCE SUMMARY

(Erase heading not required)

SECRET

Army Form C.2118
(adapted.)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 22 Oct 43 To 24 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	22		The flytrap and "tanglefoot" strips have already resulted in a noticeable decrease in the number of flies. Enquiries were made at 43 DCRE concerning the demand for a gas supply to the laboratory. The provision of a water supply was completed. Pending the completion of the partitioning of the hall, the installation of the phone extensions was postponed.	
	23		In the absence of the OC, the Sprs' Mess was opened with a short address to its members by the Adjt.	APPENDIX 5.
Broadmeadows			Folio 27, Examination of Shell Chargings -- B4; and Folio 24, Japanese Water Filter -- ISHII Type, were submitted to MO7.	Examination of Shell Chargings B4 - Serial 1 (Folio 27).
Brisbane	24		The preparation was commenced of lists of apparatus, chemicals and technical data required by the Mobile Section. A system of numbering is to be adopted for all drawers and compartments in the laboratory veh and the lists of eqpt will show where each item is carried.	APPENDIX 6. Japanese Water Filter - Ishii Type (Folio 24)

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WAR DIARY or INTELLIGENCE SUMMARY

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Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 25 Oct 43 *To*

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	25		Investigations revealed a supplier of acid-resisting paint for the laboratory benches. It is proposed to obtain it through local purchase channels. The erection of laboratory benches was commenced to enable all supply and drainage connections to be made. Difficulty was forseen because of the varying sizes of benches and some modifications were necessary to the new benches. Two electricians were attached for duty from 2 Aust Maint Pl. The installation of the lighting and power circuits was commenced. Further repairs were necessary to Cvt. 15-cwt. GS. This veh is in need of a major overhaul and arrangements will be made to exchange it.	
Broadmeadows			A large number of No 2 Anti-Gas Laboratory RE Folios was received from MO7 for copying. It was advised that a copy of future reports would be available for this Unit. This will save copying, as necessary in the past. Application was made for issue of micro-film for use in copying documents.	

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AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY or INTELLIGENCE SUMMARY

SECRET

Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 26 Oct 43 To 27 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	26		A visit was paid to the Unit by Lieut REICHHARDT of 42 Chem Lab Coy, US Army. He was shown work in progress on the modifications to the building. It is proposed to pay a return visit to the 42 Chem Lab Coy at an early date. Further building materials and plumber's fittings were collected from Engr Services. It was proposed to place uprights to carry lighting fixtures between each pair of benches in the laboratory.	APPENDIX. 7.
Broadmeadows			A letter was sent to Melbourne Technical College, confirming the termination of classes in Organic Chemistry, Grade II, for certain members of the Unit. A copy was sent to DAD (Education) Vic L of C Area. WET Section MGO Branch was advised of the state of preparation of Unit WET.	Organic Chemistry Grade II APPENDIX 8. Classes in Organic Chemistry Grade II
Brisbane	27		Work was commenced on the strengthening and partitioning of drawers in the chemical laboratory veh. Further building materials were collected from Engr Services.	

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WAR DIARY or INTELLIGENCE SUMMARY SECRET

Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE *Date and Time.—From* 27 Oct 43 *To* 28 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	27 (contd)		The Brisbane Gas Company commenced work on providing the gas supply main. A consequent demand for gas piping and fittings to be installed from the supply main was made.	
Broadmeadows			At MSL Maribyrnong, Sgt Smith discussed the analysis of BBCV with Mr Gillis.	
			At 2 Aust Movt Control Gp the requirements for movement of rear party were arranged with Maj Hindle and Lieut Sharp.	
Brisbane	28		A discussion was held at Adv LHQ between Capt Macfarline (MGO Branch, LHQ), Lieut Neil and Sgt Gill of GS(Int), re captured Jap eqpt. It was agreed that all original items would be immediately sent to this Unit, while duplicate items would be inspected first and a choice then made of items required for re-examination.	
			All carpenters are at present employed on alteration and aligning of the laboratory benches to take the water supply and drainage connections.	

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WAR DIARY or INTELLIGENCE SUMMARY

SECRET

Army Form C.2118 (adapted)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 28 Oct 43 To 29 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	28 (contd)		The installation of the gas supply main was completed.	
Broadmeadows			The production of coloured reproductions of Jap CW Eqpt by Sgt Reynolds who is att from Exptl Wing LHQ Gas School, was discussed with Capt Gray at MO7. Tech Museum MGO Branch, was also inspected.	
Brisbane	29		Unit stocks of several types of chemical apparatus (SG bottles, small measuring cylinders, etc) will not be sufficient to equip the Mobile Section. It is proposed to obtain the deficiencies by direct purchase.	
			The necessary authority has been obtained for the exchange of Cvt, 15-cwt, GS, but 4 Aust Ord Veh Pk advise that it will be a few days before a suitable veh will be available for issue.	
			Further building materials and plumber's fittings were collected from Engr Services.	
			The switchboard and 3 extensions were installed by PMG Dept.	

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WAR DIARY or INTELLIGENCE SUMMARY

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Army Form C.2118 (adapted.)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 29 Oct 43 To 30 Oct 43

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Broadmeadows	29 (contd)		A copy of BSS188 on Viscometry was obtained from Standard Association of Australia. Arrangements were made for Mr Merton of Kodak to visit the Rear Party and advise Lieut Bull and Sgt Smith on copying procedure.	
Brisbane	30		Enquiries made at several city firms revealed that excellent stocks of chemical apparatus are available, and that almost all deficiencies can be supplied. Arrangements will be made for a quotation and for the items to be put aside by the firm, pending the investigation of ordering procedure.	
Broadmeadows			Indents were submitted for additional photographic eqpt:— 6 developing tanks, to enable Mobile Section to process films; microfilm, for copying; and other items. Orders were arranged with Local Purchase Section and all items except the tanks were collected on the same day	

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WAR DIARY or INTELLIGENCE SUMMARY

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Army Form C.2118 (adapted)

(Erase heading not required)

Unit 2/1 Aust CW Laboratory RAE Date and Time.—From 31 Oct 43 To

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices, Diaries, &c.
Brisbane	31		The erection of the wkshop benches preliminary to the pouring of concrete, the framing of the wkshop and the installation of switchboard and electrical fittings was commenced.	APPENDIX. 1. Unit ROs Pt. 1. Nos 45.46.47.48
				APPENDIX. 2. Field Returns (Offrs.) Nos 40.41.42.43 44.
			Final connections of the telephone switchboard were made by the PMG Dept.	
			DADOS staff advise that indents for supplies are to be lodged once per month only. Provision is made for indents for URGENT items to be placed at any time.	APPENDIX 3. Field Returns (ORs) Nos. 40.41.42. 43.44.
				APPENDIX 9
Broadmeadows			During the month a routine method for photo-copying was evolved and approximately 100 reports from MSL files were copied.	Appx 6 2/1 Aust CW Laboratory Folio 14
				APPENDIX 10
				Manning Data as at 19. Oct. 43
			Major Comd. 2/1 Aust. C.W. Laboratory RAE 24 Oct 43	

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AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

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AUSTRALIAN MILITARY FORCES

WAR DIARY

ROUTINE ORDERS

Vol 14 Page 25

by

Appx. 1

Major J C McALLESTER, Commanding 2/1 Aust CW Laboratory RAE

5 Oct 43 | Part 1 | Serial No 45

192. DUTIES.

Orderly Officer--

To Mount 0800 hrs, 6 Oct 43: Lieut NEIL

Next for duty, to mount 0800 hrs 13 Oct 43: Lieut GOLDSTONE

Orderly NCO--

To mount 0630 hrs 6 Oct 43: Cpl KLINE

Next for duty, to mount 0630 hrs, 13 Oct 43: Sgt BRUNTON

	Mess Orderly
6 Oct 43	Spr DODD
7 Oct 43	Spr BARBER
8 Oct 43	Spr SHAW
9 Oct 43	Spr MURRAY
10 Oct 43	Spr ROSSBOROUGH
11 Oct 43	Spr PLUMMER
12 Oct 43	Spr DODD

Week-end Duties--

	Mess Orderly:	Driver:	NCO:
10 Oct 43	Spr ROSSBOROUGH	Spr BARBER	Cpl KLINE

193. CANTEEN.

The following rules shall apply to the canteen.

(a) Sgt Brunton, Sgt Goudy and Cpl Kline are responsible for the purchase of supplies from Canteen Services, all transactions over the bar, and the keeping of accounts .

(b) A statement is to be prepared weekly, and profits immediately distributed, on a proportional basis, among creditors.

(c) One of the abovenamed NCO's will be in attendance at the canteen during the hours laid down in Routine Orders.

(d) The NCO serving shall be responsible for the cleaning of the canteen at the end of each days trading.

194. CANTEEN HOURS

Daily

From	To
1215	1230
1715	1730
1800	1900

195. ALLOCATION OF DRS.

The following allocation of drs will operate forthwith and will be rigidly observed:-

Veh No	16997	Spr Jones
	70133	Spr Dover
	109917	Spr Barber
	53191	Spr Plummer
	72811	Spr Rossborough

Disciplinary action will be taken against anyone, other than the regular dr, found driving a veh.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

196. Accumulated Leave.

Accumulated leave will not be granted without reference to the OC.

197 Local Leave.

Local leave may be granted on two evenings per week until 2400 hrs and on a rest day from 1700 hrs the previous day until 2400 hrs on the rest day.

Lie ut
Adjt 2/1 Aust CW Laboratory RAE

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AUSTRALIAN MILITARY FORCES

ROUTINE ORDERS

by

Major J C McALLESTER, Commanding 2/1 Aust CW Laboratory RAE

12 Oct 43 | Part 1 | Serial No 46

198. DUTIES.

Orderly Officer--

To Mount 0800 hrs, 13 Oct 43: Lieut GOLDSTONE

Next for duty, to mount 0800 hrs 20 Oct 43: Lieut NEIL

Orderly NCO--

To Mount 0630 hrs, 13 Oct 43 Sgt BRUNTON

Next for duty, to mount 0630 hrs 20 Oct 43: L/Sgt McLAREN

	Mess Orderly
13 Oct 43	Spr BARBER
14 Oct 43	Spr SHAW
15 Oct 43	Spr MURRAY
16 Oct 43	Spr ROSSBOROUGH
17 Oct 43	Spr PLUMMER
18 Oct 43	Spr DODD
19 Oct 43	Spr BARBER

Week-end Duties--

	Driver:	Mess Orderly:	NCO:
17 Oct 43	Spr MURRAY	Spr PLUMMER	Sgt BRUNTON

199. MT -- USE OF.

(a) It is an offence for a dr to move a veh off the Unit Lines, unless he is in possession of an AAF G2 for that veh, signed by either OC or Adjt.

(b) Before signing off the work ticket, the dr will assess, to the nearest gallon, the quantity of petrol remaining in the veh. Instances of defective petrol guages and/or deficiencies of dip-sticks will be reported to the Orderly Room immediately.

(c) Dr will include in veh Log book one AA Form G13

Lieut
Adjt 2/1 Aust CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

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AUSTRALIAN MILITARY FORCES

ROUTINE ORDERS

by

Major J C McALLESTER, Commanding 2/1 Aust CW Laboratory RAE

19 Oct 43 Part 1 Serial No 47

200. DUTIES.

Orderly Officer--

To Mount 0800 hrs 20 Oct 43: Lieut NEIL

Next for duty, to Mount 0800 hrs 27 Oct 43: Lieut GOLDSTONE

Orderly NCO--

To Mount 0630 hrs, 20 Oct 43 L/Sgt McLAREN

Next for duty, to Mount 0630 hrs 27 Oct 43: Sgt GOUDY

	Mess Orderly:	General Dutyman:
20 Oct 43	Spr SHAW	Spr HOHNE
21 Oct 43	Spr ALLEN	Spr DODD
22 Oct 43	Spr ROSSBOROUGH	Spr PLUMMER
23 Oct 43	Spr PLUMMER	Spr ALLEN
24 Oct 43	Spr DODD	Spr BARBER
25 Oct 43	Spr BARBER	Spr ROSSBOROUGH
26 Oct 43	Spr HOHNE	Spr SHAW

Week-end Duties--

	Mess Orderly:	General Dutymen:	NCO:
24 Oct 43	Spr DODD	Spr BARBER	L/Sgt McLaren

201. DUTIES OF GENERAL DUTYMAN.

Daily

1. Disinfect and wash out latrines and shower rooms. (NB Care must be taken when washing out latrines seats that no Phenyle gets into the Septic Tank System)

2. Clean out grease trap on drain from kitchen and ensure that deposit is properly burnt in the incinerator.

3. Incinerate all tins from kitchen.

4. Tidy unit area generally.

5. Any other duties as detailed by Orderly Sgt.

202. PROFICIENCY PAY.

Preliminary.-

1. Approval has been given for the payment of proficiency pay of sixpence per day to every male member of the AMF who holds either the appointment of lance corporal or lance bombardier, or the rank of private or its equivalent, and who is not in receipt of pay prescribed for a qualified parachutist or a tradesman or specialist, subject to the conditions set out hereunder.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Interpretation.-

2. For the purpose of this order, the following interpretations shall apply:-

"Six months service"- Only continuous full time war service will be taken into account when calculating the period of six months service. Periods of leave with pay will be accepted as service. Periods of leave without pay will not contribute towards the requisite period, but service rendered prior to such leave will not thereby be cancelled but will be accepted as part of the period of six months.

" Good Conduct" A soldiers conduct will be deemed good unless he commits a 'breach of good conduct' as interpreted hereunder.

"Breach of good conduct" will occur-
(a) when an award has been made by a military authority imposing upon the soldier a penalty higher in the scale set out in AMR & O 414(b) than confinement to barracks for seven days, providing that no fine ofless than £1 shall be deemed to be a breach of good conduct;

(b) when the soldier has been convicted by a civil court and fined £5 or more or sentenced to imprisonment, whether ar not such sentence is suspended upon thesoldier entering into a bond.

The contraction of venereal disease will not be considered a breach of good conduct.

"Prescribed examination"- The examination conducted for the purpose of enabling a soldier to demonstrate his proficiency in the arm or branch to which he belongs.

Entitlement

3. Proficiency pay will be paid as on and from 1st July 1943, to a soldier who -
(a) at that date had completed at least six months' service;

(b) for six months immediately prior to that date had been of good conduct; and

(c) on the first occasion subsequent to that date on which he is examined, passes the prescribed examination.

Prescribed examination.-

18. Details of the prescribed examination will be published seperately

203. MORNING AND AFTERNOON BREAK/

(a) Subject to the urgency of the work in hand and with effect forthwith, the morning and afternoon breaks shall be from 1000 - 1015 hrs and 1500 - 1515 respectively. Refreshments may be consumed ONLY during the times laid down.

(b) Unit RO's 162 and 167 are hereby cancelled.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

204. VISITORS.

The attention of all ranks is drawn to the fact that visitors, whether military personnel or otherwise, are permitted to enter the unit area ONLY between 1300 hrs and 1730 hrs on Sundays. The entertainment of visitors is to be confined to the mess and quarters. On no account are visitors permitted to enter the Laboratory, Workshop, Orderly room or QM Store.

Lieut
Adjt 2/1 Aust CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

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AMR & O 1588B

WAR DIARY

AUSTRALIAN MILITARY FORCES

ROUTINE ORDERS

No 14 Page 25

by

Appx. 1

Major J C McALLESTER, Commanding 2/1 Aust CW Laboratory RAE

26 Oct 43 — Part 1 — Serial No 48

205. DUTIES.

Orderly Officer--

To Mount 0800 hrs 27 Oct 43: Lieut GOLDSTONE

Next for duty, to Mount 0800 hrs, 3 Nov 43: Lieut NEIL

Orderly NCO--

To Mount 0630 hrs, 27 Oct 43: Sgt GOUDY

Next for duty, to Mount 0630 hrs 3 Nov 43: Sgt KELLICK

	Mess Orderly:	General Dutyman:
27 Oct 43	Spr ALLEN	Spr HOHNE
28 Oct 43	Spr HOHNE	Spr DODD
29 Oct 43	Spr ROSSBOROUGH	Spr ROSSBOROUGH
30 Oct 43	Spr PLUMMER	Spr ALLEN
31 Oct 43	Spr SHAW	Spr PLUMMER
1 Nov 43	Spr BARBER	Spr SHAW
2 Nov 43	Spr DODD	Spr BARBER

Week-end Duties--

	Mess Orderly:	General Dutyman:	NCO:
31 Oct 43	Spr SHAW	Spr PLUMMER	Sgt GOUDY

206. VISITORS.

(a) Until further notice, Visitors, whether military personnel or otherwise will NOT be permitted in Unit Area.
(b) Unit RO 204 is hereby cancelled.

Lieut
Adjt 2/1 Aust CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3008 (Adapted) (Page 1) (Revised Jan., 1943)

40/43 (Serial No.)

At 0600 Hrs. Saturday 2/Oct/1943. 2/1 Aust CW Laboratory RAE (Unit)

W.E. AIF/I/151/1. OFFRS. 6 O.R's. 24 + OFFRS. - O.R's. 1 ATT. BY W.E.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				WE *					
				*					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in para. 10 of instructions for compilation of form will complete Part E(1) & E(2).

DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	* *	TOTAL.
A.		4									4
E.(1)											
E.(2)											

* Insert detail of higher ranks as necessary.
* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

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2

2/1 Aust CW Laboratory RAE Unit

Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

40/43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON ~~POSTED STRENGTH~~

At 0600 Hrs. Saturday 2/Oct/1943 (Total to agree with Columns 4 and 7 of Part A.)

1	2	3	4	5	6	7	8
Substantive Rank and Higher Temporary Rank if Held.	Army Number.	Surname.	Initials.	Posting.	Whether present with Unit (insert Yes or No)	If not present with Unit, state how employed.	Date of Detachment.
Major	VX~~1414~~47	McALLESTER	J C	OC	No	Detachment Vic L of C Area	20 Sep 43
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	Yes		
Lieut	NX105276	BULL	C H	Chem Offr	No	Detachment Vic L of C Area	20 Sep 43
Lieut	VX112210	GOLDSTONE	F A	Ammn Offr	Yes		

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

2 Oct 43
Date of Despatch

Signature of Commander HOD

a.w. 3m pads 2/43

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3008 (Adapted) (Page 1) (Revised [illegible] 1943)

41/43 (Serial No.)

At 0600 Hrs. Saturday 9/Oct/1943 (Unit) 2/1 Aust CW Laboratory RAE

W.E. AIF III/31/1. OFFRS. 6 O.R's. 24 + OFFRS. — O.R's. 1 ATT. BY W.E.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				*					
				*					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in para. 10 of instructions for compilation of form will complete Part E(1) & E(2).

DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	**	TOTAL.
A.		4									4
E.(1)											
E.(2)											

* Insert detail of higher ranks as necessary.

** Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

WAR DIARY

2/1 [illegible]st CW Laboratory RAE *Unit*

No 1 /14 Page 35 2

Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

41 43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 9 Oct /194. (Total to agree with Columns 4 and 7 of Part A.)

1	2	3	4	5	6	7	8
Substantive Rank and Higher Temporary Rank if Held.	Army Number.	Surname.	Initials.	Posting.	Whether present with Unit (insert Yes or No)	If not present with Unit, state how employed.	Date of Detachment.
Major	VX14147	McALLESTER	J C	OC	No	Detached in Vic L of C as rear party	20 Sep 43
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	Yes		
Lieut	NX105276	BULL	C H	Chem Offr	No	De tache d in Vic L of C Area as rear party	20 Sep 43
Lieut	VX112210	GOLDSTONE	F A	Ammn Offr	Yes		

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

9 Oct 43
Date of Despatch

Signature of Commander for Maj

a.w. 3m pads 2/43

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3008 (Adapted) (Page 1) (Revised Jan., 1943)

42/43 (Serial No.)

At 0600 Hrs. Saturday 16 / Oct / 1943. 2/1 Aust CW Laboratory RAE (Unit)

AIF W.E. 11/ 31/ 1. OFFRS. 6 O.R's. 24 + OFFRS. — O.R's. 1 ATT. BY W.E.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.					ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.	DETAIL. WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				*					
				*					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in para. 10 of instructions for compilation of form will complete Part E(1) & E(2).	DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	* *	TOTAL.
	A.		4									4
	E.(1)											
	E.(2)											

* Insert detail of higher ranks as necessary.
* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ... / ... /194...

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

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2/1 Aust CW Laboratory RAE *Unit*

Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

42/43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 16 / Oct / 1943 (Total to agree with Columns 4 and 7 of Part A.)

1 Substantive Rank and Higher Temporary Rank if Held.	2 Army Number.	3 Surname.	4 Initials.	5 Posting.	6 Whether present with Unit (insert Yes or No)	7 If not present with Unit, state how employed.	8 Date of Detachment.
Major	VX11147	McALLESTER	J C	OC	No	Detached in Vic L of C/as rear party	20 Sep43
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	Yes Area		
Lieut	NX105276	BULL	C H	Chem Offr	No	Detached in Vic L of C/as rear party	20 Sep43
Lieut	VX112210	GOLDSTONE	F A	Ammn Offr	Yes Area		

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

16 Oct 43
Date of Despatch

Signature of Commander Lieut for Maj AOD

a.w. 3m pads 2/43

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3008
(Adapted) (Page 1)
(Revised Jan., 1943)

43 / 43 (Serial No.)

At 0600 Hrs. Saturday 23/Oct/1943 ..... (Unit)

W.E. AIF II/31/1. OFFRS. 6 O.R's. 24 + OFFRS. 2/1 Aust CW Laboratory RAE O.R's. 1 ATT. BY W.E.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL. WE	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				*					
				*					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in para. 10 of instructions for compilation of form will complete Part E(1) & E(2).	DETAIL		A.I.P.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	**	TOTAL.
	A.		4									4
	E.(1)											
	E.(2)											

* Insert detail of higher ranks as necessary.
* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO ..... (Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

2/1 Aust CW Laboratory RAE *Unit*

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Army Form W.3008
(Adapted) (Page 2)
(Revised Jan., 1943)

43 43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 23 Oct /1943 (Total to agree with Columns 4 and 7 of Part A.)

1 Substantive Rank and Higher Temporary Rank if Held.	2 Army Number.	3 Surname.	4 Initials.	5 Posting.	6 Whether present with Unit (insert Yes or No)	7 If not present with Unit, state how employed.	8 Date of Detachment.
Major	VX14147	McALLESTER	J C	OC	NO	Detached in Vic L of G as rear party Area	20 Sep 43
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	Yes		
Lieut	NX105276	Bull	C H	Chem Offr	NO	Detached in Vic L of G Area as rear Party	20 Sep 43
Lieut	VX112210	GOLDSTONE	F A	Ammn Offr	Yes		

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

23 Oct 43
Date of Despatch

Signature of Commander HQD

a.w. 3m pads 2/42

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

FIELD RETURN OF OFFICERS

Army Form W.3008 (Adapted) (Page 1) (Revised [illegible] 1943)

44 / 43 (Serial No.)

At 0600 Hrs. Saturday 30/ Oct/194 3 . .....(Unit)

W.E. AIF III 31 1 . OFFRS. 6 O.R's. 24+ OFFRS. -- O.R's. 1 ATT. BY W.E.

PART A.—POSTED STRENGTH, SURPLUS OR REINFORCEMENTS REQUIRED.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL.	ATTACHED ALLOWED BY W.E.				
Rein'fts Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Rein'fts Required.
				WE * *					
				Lieut.-Colonels					
			1	Majors 1					
2	4			Captains 4					
		2	3	Lieutenants 1					
				Quarter-masters					
				A.A.N.S. and A.A.M.W.S. Offrs.					
				Civilians Counting as Offrs.					
2	4	2	4	6					

Analysis of Part A to be shown here by ALL units. Only units notified in pars. 10 of instructions for compilation of form will complete Part E(1) & E(2).

DETAIL		A.I.F.	C.M.F.	A.W.A.S.	A.A.N.S.	A.A.M.W.S.	CIVIL.	R.A.N.	R.A.A.F.	* *	TOTAL
A.		4									4
E.(1)											
E.(2)											

* Insert detail of higher ranks as necessary.
* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces; 10 N.Z. Forces.

PART B.—PARTICULARS OF OFFICERS JOINED OR QUITTED DURING WEEK.

OFFICERS JOINED DURING WEEK

Army No.	Rank.	Name and Initials.	Unit From.	Date.	CAUSE.

OFFICERS QUITTED DURING WEEK.

Army No.	Rank.	Name and Initials.	Unit To.	Date.	CAUSE.

PART C.—DESCRIPTION OF OFFICERS WHOSE RETURN TO .....(Unit) IS PARTICULARLY REQUESTED. ...../...../194.....

Army No.	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).

2/1 Adst CW Laboratory RAE Unit

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Army Form W.3008 (Adapted) (Page 2) (Revised Jan., 1943)

44 / 43 (Serial No.)

PART D.—NOMINAL ROLL OF OFFICERS ON POSTED STRENGTH

At 0600 Hrs. Saturday 30 / Oct /194 3 (Total to agree with Columns 4 and 7 of Part A.)

1	2	3	4	5	6	7	8
Substantive Rank and Higher Temporary Rank if Held.	Army Number.	Surname.	Initials.	Posting.	Whether present with Unit (insert Yes or No)	If not present with Unit, state how employed.	Date of Detachment.
Major	VX14147	McALLESTER	J C	OC	NO	Detached in Vic L of C/as rear party Area	20 Sep 43
Lieut	NX112056	NEIL	J R B	Tech Offr (CW)	Yes		
Lieut	NX105276	BULL	C H	Chem Offr	NO	Detached in Vic L of C Area as rear party	20 Sep 43
Lieut	VX112210	GOLDSTONE	F A	Amn Offr	Yes		

PART E.—NOMINAL ROLL OF OFFICERS ATTACHED FROM OTHER UNITS.

Substantive Rank and Higher Temporary Rank, if Held.	Army Number.	Name and Initials.	Unit.	Date of Attachment.	Nature of Attachment.

30 Oct 43
Date of Despatch

[signature] Lieut for Maj
Signature of Commander AOD

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Army Form W.3009 *(Adapted)*
(Page 1)
(Revised Jan., 1943.)

FIELD RETURN OF OTHER RANKS

40/43 (Serial No.)

At 0600 Hrs. Saturday 2/Oct/1943 2/1 Aust CW Laboratory RAE (Unit)

W.E. AIF III/31/1. OFFRS. 6 O.R's. 24 + OFFRS. - O.R's. 1 ATT. BY W.E.

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.					ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.	DETAIL. WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required.
				W.Os. Class I.					
			1	W.Os. Class II. 1					
			1	Squadron or Company Quartermaster Sgts. 1					
				Staff Sergeants					
			4	Sergeants 4)	See back				
		2	4	Corporals 2)					
5	5		10	Troopers, Privates, etc 17	AAOC	1			
				Civilians counting as O.R.					
5 *	5	2	20 *	Totals of cols. marked * should agree with details shown in Part E on Page 2.		1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		20						[redacted]	[redacted]		20
B(1)		1									1
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
2	LHQ Gas School		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached
7	Unit detachment Vic L of C Area		

Part D. Description of Other Ranks Whose Return To.....(Unit) is Particularly Requested. 1 Oct/1943

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX15473	Spr	DIXON G N	GDD SA L of C Area

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

2/1 Aust Gen Laboratory RAAMC ....Unit

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Army Form W.3009
(Adapted) (Page 2)
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PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 2/Oct/1943.

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners				Surveyors, Engineering				Operating Room Assts.				G.P.O. Assistants			
Armament Artificer Fitter				Surveyors, R.A.A.				Operator, Keyboard				Hammermen			
Armament Artificer Fitter (Electrical)				Surveyors, Topographical				Operator, Line				Leather Stitchers			
Armament Artificer Fitter (M.V.)				Surveyors, Trigonometrical				Operator, Signal				Orderlies, Nursing			
Armament Artificer Fitter (A.F.V.)				Toolmakers				Operator, Switchboard				Orderlies, Nursing Mental			
Armament Artificer Instrument				Turners				Operator, Wireless				Plate Layers			
Armament Artificer Radio				Watchmakers				Opticians				Rangetakers			
Armament Artificer Signals				Welders				Painters				Riveters			
Armament Artificer Wireless								Panel Beaters				Roughriders			
Artificer, Artillery								Photographer, Dry Plate (a)	1	1	-	Saddlers			
Artificer, Engine								Predictor Numbers				Saddletree makers			
Blacksmiths								Printers				Shoemaker and Boot Repairer			
Bricklayers								Radiographers				Stevedores			
Computors								Riggers				Stokers, Staty. Engine			
Cooks, Hospital				GROUP II.				Sawyers				Storemen, Technical	1	1	-
Coppersmiths				Armourers				Signallers				Tailors			
Dispensers				Axemen				Signwriters				Textile Refitters			
Draughtsmen	1	-	1	Bakers				Telescope Identfn. Numbers				Tinsmiths			
Draughtsmen (Architectural)				Bty. Comd's. Asst.				Well Borers				Vulcanizers			
Draughtsmen (Engineering)				Boilermakers				Wheelers				Wagon Erectors			
Draughtsmen (Mechanical)				Carpenters				Winchman				Whitesmiths			
Draughtsmen (Topographical)				Carpenters and Joiners	1	1	-	Wireman				Clerk	1	1	-
Electricians				Cooks				Woodturners							
Electricians (M.V.)				Dental Mechanics											
Electricians (Signals)				Driver-Mech. (Eng. and Med.)											
Fitters	1	1	-	Driver-Operator											
Fitters (Cycle)				Drainers											
Fitters (Electrical) (a)	1	1	-	Electricians											
Fitters (Gun)				Electricians (Engineers)											
Fitters (Instrument)				Fire Control Operators				GROUP III.				DETAILS OF NON-TRADESMEN.			
Fitters (M.V.)				Gun Operator				Battery Surveyors				Chemist (d)	1	1	-
Fitters, Railway Signal				Hatchman				Butchers				COMs (c)	1	1	-
Fitters, Signals				Height Taker				Clerks (b)	1	1	-	Laboratory			
Grinder, Precision				Helio Operator				Clerks, Supply				assists (e)	3	3	-
Mechanics, Instrument				Instrument Operator				Clerks, Technical				Laboratory			
Mechanics, Instrument (Signals)				Intelligence Duties				Coach Trimmers				assistant	1	-	N
Mechanics, Instrument (Surgical)				Joiners				Concretors				DriversMT	3	3	-
Mechanics, Radio				Lineman				Cooks				Batman Dr	1	1	-
Mechanics, Typewriter				Lineman, Signals				Dental Clerk Orderlies				Batman	2	-	2
Mechanics, Wireless				Lithographers				Despatch Riders				ATTACHED BY W.E.			
Millwrights				Machinists, Metal				Draughtsmen, Signals				Orderly	1	-	1
Operators, Excavator				Machinists, Wood				Drivers, H.T.				General			
Pattern Maker				Masons				Driver Mechanics	1	1	-	dutyman	1	-	1
Pharmacist				Masseurs				Driver Tptn. Plant							
Photographer, Wet Plate				Mechanics, M.T.				Engine Hands, I.C.				Attached			
Photowriter	1	1	-	Miners				Equipment Repairers				Cook	1	1	-
Plumber				Moulders				Farriers							
Saw Doctors				Nurses, Trained				Fitters' Mates							
Surveyors				Observation Post Assts.				Gun Layers							
CARRIED FORWARD	4	3	1	CARRIED FORWARD	5	4	1	CARRIED FORWARD (see back)	8	7	1	Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A. respectively.	25 *	21 *	1 *

NOTES.—(a) If rank other than private is involved give details on back.
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back.
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required."
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

2 Oct 43
Date of Despatch

Signature of Commander HQD Maj

L.H.Q. Press—202—5/43—312m.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO.II

(e) Three Sgts and two Cpls, laboratory assistants (excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 May 43).

Other ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

War Diary

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan., 1943.)

FIELD RETURN OF OTHER RANKS

41 / 43 (Serial No.)

At 0600 Hrs. Saturday 9 Oct /1943 2/1 Aust CW Laboratory RAE (Unit)

W.E. AIF III/31 /1. OFFRS. 6 O.R's. 24 + OFFRS. - O.R's. 1 ATT. BY W.E.

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.					ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.	DETAIL. WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required
				W.Os. Class I.					
			1	W.Os. Class II. 1					
			1	Squadron or Company Quartermaster Sgts. 1					
				Staff Sergeants					
			4	Sergeants 4)	see back				
		3	5	Corporals 2)					
3	3		13	Troopers, Privates, etc. 7	AAOC	1			
				Civilians counting as O.R.					
3 *	3	3	24 *	Totals of cols. marked * should agree with details shown in Part E on Page 2.		1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		22		2				[redacted]	[redacted]		23
B(1)		2									2
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
2	LHQ Gas School	1	

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached
9	Unit detachment in Vic L of C Area		

Part D. Description of Other Ranks Whose Return To 2HR (Unit) is Particularly Requested. 8 Oct /1943

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX15473	Spr	DIXON G N	GDD SA L of C Area

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

2 Aust CW Laboratory RAE ..... Unit

No 1 14 Page 25

Appx. 3

Army Form W.3009 (Adapted) (Page 2) (Revised Jan., 1943)

41/43 Serial No.

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 9 /Oct /1943 .

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners				Surveyors, Engineering				Operating Room Assts.				G.P.O. Assistants			
Armament Artificer Fitter				Surveyors, R.A.A.				Operator, Keyboard				Hammermen			
Armament Artificer Fitter (Electrical)				Surveyors, Topographical				Operator, Line				Leather Stitchers			
Armament Artificer Fitter (M.V.)				Surveyors, Trigonometrical				Operator, Signal				Orderlies, Nursing			
Armament Artificer Fitter (A.F.V.)				Toolmakers				Operator, Switchboard				Orderlies, Nursing Mental			
Armament Artificer Instrument				Turners				Operator, Wireless				Plate Layers			
Armament Artificer Radio				Watchmakers				Opticians				Rangetakers			
Armament Artificer Signals				Welders				Painters				Riveters			
Armament Artificer Wireless								Panel Beaters				Roughriders			
Artificer, Artillery								Photographer, Dry Plate (a)	1	1	-	Saddlers			
Artificer, Engine								Predictor Numbers				Saddletree makers			
Blacksmiths								Printers				Shoemaker and Boot Repairer			
Bricklayers								Radiographers				Stevedores			
Computors								Riggers				Stokers, Staty. Engine			
Cooks, Hospital				GROUP II.				Sawyers				Storemen, Technical	1	1	-
Coppersmiths				Armourers				Signallers				Tailors			
Dispensers				Axemen				Signwriters				Textile Refitters			
Draughtsmen	1	1	-	Bakers				Telescope Identfn. Numbers				Tinsmiths			
Draughtsmen (Architectural)				Bty. Comd's. Asst.				Well Borers				Vulcanizers			
Draughtsmen (Engineering)				Boilermakers				Wheelers				Wagon Erectors			
Draughtsmen (Mechanical)				Carpenters				Winchman				Whitesmiths			
Draughtsmen (Topographical)				Carpenters and Joiners	1	1	-	Wireman				Clerk	1	1	-
Electricians				Cooks				Woodturners							
Electricians (M.V.)				Dental Mechanics											
Electricians (Signals)				Driver-Mech. (Eng. and Med.)											
Fitters	1	1	-	Driver-Operator											
Fitters (Cycle)				Drainers											
Fitters (Electrical) (a)	1	1	-	Electricians											
Fitters (Gun)				Electricians (Engineers)											
Fitters (Instrument)				Fire Control Operators				GROUP III.				DETAILS OF NON-TRADESMEN.			
Fitters (M.V.)				Gun Operator				Battery Surveyors				Chemist (d)	1	1	-
Fitters, Railway Signal				Hatchman				Butchers				COMS (c)	1	1	-
Fitters, Signals				Height Taker				Clerks (b)	1	1	-	Laboratory			
Grinder, Precision				Helio Operator				Clerks, Supply				assists (e)	3	6	-
Mechanics, Instrument				Instrument Operator				Clerks, Technical				Laboratory			
Mechanics, Instrument (Signals)				Intelligence Duties				Coach Trimmers				assistant	1	1	-
Mechanics, Instrument (Surgical)				Joiners				Concretors				Drivers MT	3	3	-
Mechanics, Radio				Lineman				Cooks				Batman Dr	1	1	-
Mechanics, Typewriter				Lineman, Signals				Dental Clerk Orderlies				Batman	2	-	2
Mechanics, Wireless				Lithographers				Despatch Riders				ATTACHED BY W.E.			
Millwrights				Machinists, Metal				Draughtsmen, Signals				Orderly	1	-	1
Operators, Excavator				Machinists, Wood				Drivers, H.T.				General			
Pattern Maker				Masons				Driver Mechanics	1	1	-	dutyman	1	1	-
Pharmacist				Masseurs				Driver Tptn. Plant							
Photographer, Wet Plate				Mechanics, M.T.				Engine Hands, I.C.				Attached			
Photowriter				Miners				Equipment Repairers				Cook	1	1	-
Plumber	1	1	-	Moulders				Farriers							
Saw Doctors				Nurses, Trained				Fitters' Mates							
Surveyors				Observation Post Assts.				Gun Layers							
CARRIED FORWARD	4	4	-	CARRIED FORWARD	5	5	-	CARRIED FORWARD	8	8	-	Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A. respectively.	25 *	25 *	3 *

NOTES.—(a) If rank other than private is involved give details on back. (see back)
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back.
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required."
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

9 Oct 43
Date of Despatch

Signature of Commander Maj

L.H.Q. Press—202—5/43—312m.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO.II

(e) Three Sgts and three Cpls, Laboratory assistants (excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 May 43).

Other ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan., 19[illegible])

FIELD RETURN OF OTHER RANKS

42/43 (Serial No.)

At 0600 Hrs. Saturday 16/Oct/194[illegible] (Unit)

W.E. AIF III/31/1. OFFRS. 6 O.R's. 24+ OFFRS. - O.R's. 1 ATT. BY W.E. 2/1 Aust GW Laboratory RAE

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.					ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.	DETAIL. WE	Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required
				W.Os. Class I.					
NR	1			W.Os. Class II. 1					
			1	Squadron or Company Quartermaster Sgts. 1					
				Staff Sergeants					
			4	Sergeants 4) see					
		3	5	Corporals 2) back					
3	3		13	Troopers, Privates, etc. 17	AAOC	1			
				Civilians counting as O.R.					
3 *	4	3	23 *	Totals of cols. marked * should agree with details shown in Part E on Page 2.		1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		20		1				[redacted]	[redacted]		21
B(1)		2		1							3
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
2	LHQ Gas School		
1	2 Aust Maint Platoon RAE		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached
8	Unit detachment in Vic L of C Area		

Part D. Description of Other Ranks Whose Return To This (Unit) is Particularly Requested. 16/10/194[illegible]

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX10689	WO.II	BUTLER P F	121 Aust General Hospital S.A.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

2/1 Aust CW Laboratory RAE Unit

No 1 14 Page 25

Appx. 3

Army Form W.3009 (Adapted) (Page 2) (Revised Jan., 1943)

42 / 43 Serial No.

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 16 /Oct/1943 .

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength.	Reints. Required.	Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners				Surveyors, Engineering				Operating Room Assts.				G.P.O. Assistants			
Armament Artificer Fitter				Surveyors, R.A.A.				Operator, Keyboard				Hammermen			
Armament Artificer Fitter (Electrical)				Surveyors, Topographical				Operator, Line				Leather Stitchers			
Armament Artificer Fitter (M.V.)				Surveyors, Trigonometrical				Operator, Signal				Orderlies, Nursing			
Armament Artificer Fitter (A.F.V.)				Toolmakers				Operator, Switchboard				Orderlies, Nursing Mental			
Armament Artificer Instrument				Turners				Operator, Wireless				Plate Layers			
Armament Artificer Radio				Watchmakers				Opticians				Rangetakers			
Armament Artificer Signals				Welders				Painters				Rivetters			
Armament Artificer Wireless								Panel Beaters				Roughriders			
Artificer, Artillery								Photographer, Dry Plate (a)	1	1	-	Saddlers			
Artificer, Engine								Predictor Numbers				Saddletree makers			
Blacksmiths								Printers				Shoemaker and Boot Repairer			
Bricklayers								Radiographers				Stevedores			
Computors								Riggers				Stokers, Staty. Engine			
Cooks, Hospital				GROUP II.				Sawyers				Storemen, Technical	1	1	-
Coppersmiths				Armourers				Signallers				Tailors			
Dispensers				Axemen				Signwriters				Textile Refitters			
Draughtsmen	1	1	-	Bakers				Telescope Identfn. Numbers				Tinsmiths			
Draughtsmen (Architectural)				Bty. Comd's. Asst.				Well Borers				Vulcanizers			
Draughtsmen (Engineering)				Boilermakers				Wheelers				Wagon Erectors			
Draughtsmen (Mechanical)				Carpenters				Winchman				Whitesmiths			
Draughtsmen (Topographical)				Carpenters and Joiners	1	1	-	Wireman				Clerk	1	1	-
Electricians				Cooks				Woodturners							
Electricians (M.V.)				Dental Mechanics											
Electricians (Signals)				Driver-Mech. (Eng. and Med.)											
Fitters	1	1	-	Driver-Operator											
Fitters (Cycle)				Drainers											
Fitters (Electrical) (a)	1	1	-	Electricians											
Fitters (Gun)				Electricians (Engineers)											
Fitters (Instrument)				Fire Control Operators				GROUP III.				DETAILS OF NON-TRADESMEN.			
Fitters (M.V.)				Gun Operator				Battery Surveyors				Chemist (d)	1	-	NR
Fitters, Railway Signal				Hatchman				Butchers				CQMS (c)	1	1	-
Fitters, Signals				Height Taker				Clerks (b)	1	1	-	Laboratory			
Grinder, Precision				Helio Operator				Clerks, Supply				assists (e)	3	6	-
Mechanics, Instrument				Instrument Operator				Clerks, Technical				Laboratory			
Mechanics, Instrument (Signals)				Intelligence Duties				Coach Trimmers				Assistant	1	1	-
Mechanics, Instrument (Surgical)				Joiners				Concretors				Drivers MT	3	3	-
Mechanics, Radio				Lineman				Cooks				Batman Dr	1	1	-
Mechanics, Typewriter				Lineman, Signals				Dental Clerk Orderlies				Batman	2	-	2
Mechanics, Wireless				Lithographers				Despatch Riders				~~ATTACHED BY W.E.~~			
Millwrights				Machinists, Metal				Draughtsmen, Signals				Orderly	1	-	1
Operators, Excavator				Machinists, Wood				Drivers, H.T.				General			
Pattern Maker				Masons				Driver Mechanics	1	1	-	dutyman	1	1	-
Pharmacist				Masseurs				Driver Tptn. Plant							
Photographer, Wet Plate				Mechanics, M.T.				Engine Hands, I.C.				ATTACHED			
Photowriter				Miners				Equipment Repairers				Cook	1	1	-
Plumber	1	1	-	Moulders				Farriers							
Saw Doctors				Nurses, Trained				Fitters' Mates							
Surveyors				Observation Post Assts.				Gun Layers							
CARRIED FORWARD	4	4	-	CARRIED FORWARD	5	5	-	CARRIED FORWARD	8	8	-	Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A. respectively.	25	24	3

NOTES.—(a) If rank other than private is involved give details on back. SEE BACK
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back.
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required."
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

16 Oct 43
Date of Despatch

Maj
Signature of Commander

1100

L.H.Q. Press—202—5/43—312m.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO.II

(e) Three Sgts and three Cpls, Laboratory assistants (excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 May 43.)

Othe r ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

War Diary

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan., 1943.)

4949 (Serial No.)

FIELD RETURN OF OTHER RANKS

At 0600 Hrs. Saturday 23 Oct /1943 (Unit) 2/1 Aust CW Laboratory RAE

AIF
W.E.III/31/1. OFFRS. 6 O.R's. 24 + OFFRS. 1 O.R's. ATT. BY W.E.

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED.				DETAIL. WE	ATTACHED ALLOWED BY W.E.				
Reinfts. Required.	Deficient W.E.	Surplus to W.E.	Posted Strength.		Arm or Corps.	Posted Strength.	Surplus to W.E.	Deficient W.E.	Reinfts. Required
				W.Os. Class I.					
NR	1			W.Os. Class II. 1					
			1	Squadron or Company Quartermaster Sgts. 1					
				Staff Sergeants					
			4	Sergeants 4	SEE BACK				
		2	4	Corporals 2					
2	2		14	Troopers, Privates, etc. 17	AACC	1			
				Civilians counting as O.R.					
2 *	3	2	23 *	Totals of cols. marked * should agree with details shown in Part E on Page 2.		1 *			*

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces.

Detail		A.I.F.	C.M.F. Under 19 Years.	C.M.F. 19 Years and over.	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N	R.A.A.F	* *	TOTAL
A		20		1				[redacted]	[redacted]		21
B(1)		2		1							3
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs.	Unit to which they belong	Number of O.Rs.	Unit to which they belong
2	LHQ GAS SCHOOL		
1	2 AUST MAINT PLATOON RAE		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs.	Unit to which detached.	Number of O.Rs.	Unit to which detached
7	Unit detachment in Vic L of C Area		

Part D. Description of Other Ranks Whose Return To 2/1 Aust CW Laboratory RAE (Unit) is Particularly Requested. 23/10/43

Army No	Rank.	Name and Initials.	REMARKS (e.g., present whereabouts if known).
SX10689	WO.II	BUTLER P F	121 Aust General Hospital S.A.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

2/1 Aust CW Laboratory RAE Unit

Vol 14 Page 25

Appx. 3.

Army Form W 3009 (Adapted) (Page 2) (Revised Jan., 1943)

43 45 Serial No.

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 23 Oct 1943.

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners			
Armament Artificer Fitter			
Armament Artificer Fitter (Electrical)			
Armament Artificer Fitter (M.V.)			
Armament Artificer Fitter (A.F.V.)			
Armament Artificer Instrument			
Armament Artificer Radio			
Armament Artificer Signals			
Armament Artificer Wireless			
Artificer, Artillery			
[redacted]cer, Engine			
Blacksmiths			
Bricklayers			
Computors			
Cooks, Hospital			
Coppersmiths			
Dispensers			
Draughtsmen	1	1	-
Draughtsmen (Architectural)			
Draughtsmen (Engineering)			
Draughtsmen (Mechanical)			
Draughtsmen (Topographical)			
Electricians			
Electricians (M.V.)			
Electricians (Signals)			
Fitters	1	1	-
Fitters (Cycle)			
Fitters (Electrical) (a)	1	1	-
Fitters (Gun)			
Fitters (Instrument)			
Fitters (M.V.)			
Fitters, Railway Signal			
Fitters, Signals			
[redacted]der, Precision			
Mechanics, Instrument			
Mechanics, Instrument (Signals)			
Mechanics, Instrument (Surgical)			
Mechanics, Radio			
Mechanics, Typewriter			
Mechanics, Wireless			
Millwrights			
Operators, Excavator			
Pattern Maker			
Pharmacist			
Photographer, Wet Plate			
Photowriter			
Plumber	1	1	-
Saw Doctors			
Surveyors			
CARRIED FORWARD	4	4	-

Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.
Surveyors, Engineering			
Surveyors, R.A.A.			
Surveyors, Topographical			
Surveyors, Trigonometrical			
Toolmakers			
Turners			
Watchmakers			
Welders			
GROUP II.			
Armourers			
Axemen			
Bakers			
Bty. Comd's. Asst.			
Boilermakers			
Carpenters			
Carpenters and Joiners	1	1	-
Cooks			
Dental Mechanics			
Driver-Mech. (Eng. and Med.)			
Driver-Operator			
Drainers			
Electricians			
Electricians (Engineers)			
Fire Control Operators			
Gun Operator			
Hatchman			
Height Taker			
Helio Operator			
Instrument Operator			
Intelligence Duties			
Joiners			
Lineman			
Lineman, Signals			
Lithographers			
Machinists, Metal			
Machinists, Wood			
Masons			
Masseurs			
Mechanics, M.T.			
Miners			
Moulders			
Nurses, Trained			
Observation Post Assts.			
CARRIED FORWARD	5	5	-

Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength	Reints Required
Operating Room Assts.			
Operator, Keyboard			
Operator, Line			
Operator, Signal			
Operator, Switchboard			
Operator, Wireless			
Opticians			
Painters			
Panel Beaters			
Photographer, Dry Plate (a)	1	1	-
Predictor Numbers			
Printers			
Radiographers			
Riggers			
Sawyers			
Signallers			
Signwriters			
Telescope Identfn Numbers			
Well Borers			
Wheelers			
Winchman			
Wireman			
Woodturners			
GROUP III.			
Battery Surveyors			
Butchers			
Clerks (b)	1	1	-
Clerks, Supply			
Clerks, Technical			
Coach Trimmers			
Concretors			
Cooks			
Dental Clerk Orderlies			
Despatch Riders			
Draughtsmen, Signals			
Drivers, H.T.			
Driver Mechanics	1	1	-
Driver Tptn. Plant			
Engine Hands, I.C.			
Equipment Repairers			
Farriers			
Fitters' Mates			
Gun Layers			
CARRIED FORWARD	8	8	-

Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
G.P.O. Assistants			
Hammermen			
Leather Stitchers			
Orderlies, Nursing			
Orderlies, Nursing Mental			
Plate Layers			
Rangetakers			
Riveters			
Roughriders			
Saddlers			
Saddletree makers			
Shoemaker and Boot Repairer			
Stevedores			
Stokers, Staty. Engine	1	1	-
Storemen, Technical			
Tailors			
Textile Refitters			
Tinsmiths			
Vulcanizers			
Wagon Erectors			
Whitesmiths			
Clerk	1	1	-
DETAILS OF NON-TRADESMEN.			
Chemist (d)	1	-	NR
CQMS (c)	1	1	-
Laboratory assists (e)	3	6	-
Laboratory assistant	1	1	-
DriversMT	3	3	-
Batman Dr	1	1	-
Batman	2	1	-
~~ATTACHED BY W.E.~~ Orderly	1	-	1
General dutyman	1	-	1
ATTACHED Cook	1	1	-
Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A respectively	25	*24	*2

NOTES.—(a) If rank other than private is involved give details on back. see back
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required"
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

23 Oct 43
Date of Despatch

Signature of Commander Maj for HOD

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO.II

(e) Three Sgts and three Cpls, Laboratory assistants (excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 May 43.)

Other ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

1 Spr filling the position of Photographer Dry Plate (a)

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Army Form W.3009 (Adapted)
(Page 1)
(Revised Jan. [illegible])

FIELD RETURN OF OTHER RANKS

44 42 (Serial No.)

At 0600 Hrs. Saturday 30/Oct/1943. 2/1 Aust CW Laboratory RAE (Unit)

W.E. AIF III 31/1. OFFRS. 6 O.R's. 24+ OFFRS. - O.R's. 1 ATT. BY W.E.

Part A. Posted Strength, Surplus or Reinforcements Required.

1	2	3	4	5	6	7	8	9	10
W.E. EXCLUDING ATTACHED				DETAIL.	ATTACHED ALLOWED BY W E				
Reinfts. Required.	Deficient W.E.	Surplus to W E.	Posted Strength.	WE	Arm or Corps.	Posted Strength.	Surplus to W E	Deficient W E	Reinfts Required.
				W.Os Class I					
NR	1			W.Os. Class II 1					
			1	Squadron or Company Quartermaster Sgts 1					
				Staff Sergeants					
			4	Sergeants 4	SEE				
		2	4	Corporals 2	BACK				
2	2		14	Troopers, Privates, etc 17	AAOC	1			
				Civilians counting as O.R					
2.	3	2	23.	Totals of cols marked * should agree with details shown in Part E on Page 2		1.			

Analysis of Part A to be shown here by ALL units. Only units notified in para. 7 of instructions for compilation of this return will complete analysis of Part B(1) and B(2).

* * Personnel belonging to a category not provided for in the analysis will be shown in this Col. Particulars will be shown, e.g., 20 U.K. Forces, 10 N.Z. Forces

Detail		A.I.F	C.M.F Under 19 Years	C.M.F 19 Years and over	A.W.A.S.	A.A.M.W.S.	CIVIL	R.A.N.	R.A.A.F.	* *	TOTAL
A		20		1				[redacted]	[redacted]		21
B(1)		2		1							3
B(2)							[redacted]				

Part B. Other Ranks Attached from Other Units.

Number of O.Rs	Unit to which they belong	Number of O.Rs	Unit to which they belong
2	LHQ GAS SCHOOL		
1	2 AUST MAINT PLATOON RAE		

Part C. Other Ranks Included in Part A Detached to Other Units.

Number of O.Rs	Unit to which detached	Number of O.Rs.	Unit to which detached
7	UNIT DETACHMENT IN VIC L OF C AREA		

Part D. Description of Other Ranks Whose Return To 2/1 Aust CW Laboratory RAE (Unit) is Particularly Requested. 30/10/1943

Army No	Rank.	Name and Initials	REMARKS (e.g., present whereabouts if known)
SX10689	WO.II	BUTLER P F	121 Aust General Hospital S.A.

First Aust Army Mob Print Unit—a262—50m—8-43

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

2/1 Aust CW Laboratory RAE Unit — No 1 14 Page 25 Appx 3 — Army Form W 3009 (Adapted) (Page 2) (Revised Jan., 1943) — 44 43 Serial No.

PART E. Detail of Present Strength and Reinforcements required as shown in Part A of Army Form W.3009 at 0600 Hours Saturday 30 Oct 43.

Details of Tradesmen. GROUP I.	W.E.	Posted Strength.	Reints. Required.
Ammunition Examiners			
Armament Artificer Fitter			
Armament Artificer Fitter (Electrical)			
Armament Artificer Fitter (M.V.)			
Armament Artificer Fitter (A.F.V.)			
Armament Artificer Instrument			
Armament Artificer Radio			
Armament Artificer Signals			
Armament Artificer Wireless			
Artificer, Artillery			
Artificer, Engine			
[illegible]cksmiths			
Bricklayers			
Computors			
Cooks, Hospital			
Coppersmiths			
Dispensers			
Draughtsmen	1	1	-
Draughtsmen (Architectural)			
Draughtsmen (Engineering)			
Draughtsmen (Mechanical)			
Draughtsmen (Topographical)			
Electricians			
Electricians (M.V.)			
Electricians (Signals)			
Fitters	1	1	-
Fitters (Cycle)			
Fitters (Electrical) (a)	1	1	-
Fitters (Gun)			
Fitters (Instrument)			
Fitters (M.V.)			
Fitters, Railway Signal			
Fitters, Signals			
Grinder, Precision			
[illegible]anics, Instrument			
Mechanics, Instrument (Signals)			
Mechanics, Instrument (Surgical)			
Mechanics, Radio			
Mechanics, Typewriter			
Mechanics, Wireless			
Millwrights			
Operators, Excavator			
Pattern Maker			
Pharmacist			
Photographer, Wet Plate			
Photowriter			
Plumber	1	1	-
Saw Doctors			
Surveyors			
CARRIED FORWARD	4	4	-

Details of Tradesmen. GROUP I. (cont.)	W.E.	Posted Strength.	Reints. Required.
Surveyors, Engineering			
Surveyors, R.A.A.			
Surveyors, Topographical			
Surveyors, Trigonometrical			
Toolmakers			
Turners			
Watchmakers			
Welders			
GROUP II.			
Armourers			
Axemen			
Bakers			
Bty. Comd's. Asst.			
Boilermakers			
Carpenters			
Carpenters and Joiners	1	1	-
Cooks			
Dental Mechanics			
Driver-Mech. (Eng. and Med.)			
Driver-Operator			
Drainers			
Electricians			
Electricians (Engineers)			
Fire Control Operators			
Gun Operator			
Hatchman			
Height Taker			
Helio Operator			
Instrument Operator			
Intelligence Duties			
Joiners			
Lineman			
Lineman, Signals			
Lithographers			
Machinists, Metal			
Machinists, Wood			
Masons			
Masseurs			
Mechanics, M.T.			
Miners			
Moulders			
Nurses, Trained			
Observation Post Assts.			
CARRIED FORWARD	5	5	-

Details of Tradesmen. GROUP II. (cont.)	W.E.	Posted Strength	Reints Required.
Operating Room Assts.			
Operator, Keyboard			
Operator, Line			
Operator, Signal			
Operator, Switchboard			
Operator, Wireless			
Opticians			
Painters			
Panel Beaters			
Photographer, Dry Plate (a)	1	1	-
Predictor Numbers			
Printers			
Radiographers			
Riggers			
Sawyers			
Signallers			
Signwriters			
Telescope Identfn Numbers			
Well Borers			
Wheelers			
Winchman			
Wireman			
Woodturners			
GROUP III.			
Battery Surveyors			
Butchers			
Clerks (b)	1	1	-
Clerks, Supply			
Clerks, Technical			
Coach Trimmers			
Concretors			
Cooks			
Dental Clerk Orderlies			
Despatch Riders			
Draughtsmen, Signals			
Drivers, H.T.			
Driver Mechanics	1	1	-
Driver Tptn. Plant			
Engine Hands, I.C.			
Equipment Repairers			
Farriers			
Fitters' Mates			
Gun Layers			
CARRIED FORWARD	8	8	-

Details of Tradesmen. GROUP III. (cont.)	W.E.	Posted Strength.	Reints. Required.
G.P.O. Assistants			
Hammermen			
Leather Stitchers			
Orderlies, Nursing			
Orderlies, Nursing Mental			
Plate Layers			
Rangetakers			
Riveters			
Roughriders			
Saddlers			
Saddletree makers			
Shoemaker and Boot Repairer			
Stevedores			
Stokers, Staty. Engine			
Storemen, Technical	1	1	-
Tailors			
Textile Refitters			
Tinsmiths			
Vulcanizers			
Wagon Erectors			
Whitesmiths			
Clerk	1	1	-
DETAILS OF NON-TRADESMEN.			
Chemist (d)	1	-	NR
CQMS (c)	1	1	-
Laboratory assists (e)	3	6	-
Laboratory assistant	1	1	-
Drivers MT	3	3	-
Batman Dr	1	1	-
Batmen	2	1	-
~~XXXXXXXXXX~~			
Orderly General dutyman	1	-	1
Attached Cook	1	1	-
Totals of columns marked * to agree with columns 4 and 7, and 1 and 10 of Part A respectively	25	24 *	2 *

NOTES.—(a) If rank other than private is involved give details on back see back
(b) Authorised trades or specialists not included in list will be added as required in spaces provided.
(c) Where A.W.A.S. and/or A.A.M.W.S. personnel are desired show details on back
(d) Where replacement not desired note accordingly on return by insertion of N.R. in col. "Reints. Required"
(e) Where any request or notation is made on back of form, the words "See Back" should be written in one of the blank spaces on this page.

30 Oct 43
Date of Despatch

[signature] Lieut for Maj
Signature of Commander HQD

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(a) Cpls

(b) Sgts

(c) S/Sgts

(d) WO.II

(e) Three Sgts and three Cpls, Labora tory assistants (Excess in lieu of Officer deficiencies; Attachment authorised by LHQ 76913 of 11 Ma y 43.)

Other ranks attached from other units authorised by Landforce Sig 050174 of 18 Aug 43.

1 Spr filling the position of Photographer Dry Plate (a)

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

No 1 14 Page 8

Appx. 4

SECRET

Folio 25

Copy No. 6

2/1 Aust CW Laboratory RAE
G67/1/48
9 Oct 43

JAPANESE TOXIC SMOKE GENERATOR TYPE 163K

1. SOURCE

Received for examination from the Chief Technical Officer (CW).

2. DESCRIPTION

Gross weight	1405 grams
Charge weight	894 grams
Height overall	23 cm
Diameter	10.5 cm

The generator is cylindrical in shape, painted brown and has a 2 cm red band 5.8 cm from the top of the lid. The lid, of 28 SWG tinned steel, is sealed to the generator by wax-covered adhesive tape and is marked with the numerals "163" in white over the letter "K" in red. The generator is constructed of 25 SWG tinned steel with pressed and soldered seams.

To the base of the generator is attached a steel carrying loop 7.5 cm in diameter. Clipped around the generator, immediately below the red band, is a tinned steel strip to which it is understood. is hinged a steel spike to support the generator when in use.

Beneath the lid and resting on a cardboard spacer lies the standard type of wooden striker block, 4.9 cm in diameter and 0.8 cm thick, found in the generators type 136 A and 162K. The upper surface of this striker block is coated with a red phosphorus-abrasive mixture, while the lower side is recessed to fit over the match head. The match head is protected by a pad of cotton wool and is fixed to the top of the igniter with shellac. There is no delay fuze, the match head being in direct contact with the igniter.

The igniter is contained in a tube of tin-aluminium alloy, 2.5 cm long and 1 cm in diameter which is soldered to the top of the generator.

Four smoke ports are symmetrically placed in the top of the generator. Each port is 0.6 cm in diameter and is sealed on the inner side by a piece of tin foil affixed with shellac.

3. TOXIC SMOKE MIXTURE

The smoke mixture, consisting of small yellowish shavings of horn-like material, was removed from the generator as a compact lump which could be readily broken. This mixture was not as gummy as was the filling of the type 136A DC-DA acid generator.

Analysis showed the mixture to be made up as follows :-

	Per cent.
Diphenyl cyanarsine	39.5
Nitrocellulose	41.5
Diphenylarsenic oxide..	5.5
Moisture	6.5
Ash	4.5
Camphor (by difference)	2.5
Total	100

4. MATCH HEAD AND IGNITING MIXTURE

The match head consists of a dark greenish-grey mass fixed to the top of the igniter by shellac. It is approximately 1.2 cm in diameter and 0.2 cm in thickness and has the same qualitative composition as the igniting mixture.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

The igniting mixture consists of a solid rod of greenish grey material conforming to the shape of the igniter tube and weighing approximately 4 grams. It is held in the igniter tube by shellac. The igniting mixture was found to have the following composition :-

	Per cent.
Potassium chromate	28.2
Antimony trisulphide	42.0
Zinc metal	25.1
Ferric oxide	1.5
Organic binder (by difference)	3.2
Total	100

5. METHOD OF USE

The lid is removed exposing the striker block. The cotton wool is torn away and the striker is rubbed on the match head. After a few seconds delay the smoke mixture begins to smoulder and dense white sternutatory fumes escape through the smoke ports.

6. NOTE

The type 163K toxic smoke generator has very similar structure and the same markings as the type 141A toxic smoke generator described in LHQ CW Technical Notes No. 7. The compositions of the two chargings are also very similar, both generators having DC as the main active constituent on a base of nitrocellulose.

7. APPENDICES

The following are att:-

Appx A. Methods of Analysis.
B. Blue Print showing structure.
C. Photographs of generator.

Maj
Comd 2/1 Aust CW Laboratory RAE

Distribution:

	Copy No
DMO (MO7) LHQ	1-2
No. 5 Section	3
File	4
Technical Diary	5
War Diary	6

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

METHODS OF ANALYSIS

1. TOXIC SMOKE MIXTURE

a. Separation of DC and Camphor.

A benzene extract of the mixture was distilled under reduced pressure. The camphor was separated first, followed by DC distilling at 204°- 210°C at approximately 18 mm Hg. The camphor was purified by sublimation (MP 176°-177°C) and the DC was recrystallised from methyl alcohol (colourless prisms MP 33°-35°C).

A sample of DA oxide (MP 92°-93°C) was prepared from the DC. This, with a positive test for cyanide proved the identification of the DC.

b. Quantitative Methods.

Diphenyl cyanarsine. Approximately 3 gram samples were steam distilled, the distillate being collected in water containing approximately 3 grams of sodium bicarbonate. The resultant alkaline solution of HCN was then titrated with N/10 iodine.

Diphenyl arsenic oxide. Total arsenic was determined on 1 gram samples by Ewins' Method[1]. The arsenic in excess of that present as DC was calculated as DA oxide. Evidence for the presence of DA oxide was - (1) no DA acid (water soluble) was obtained by hot water extraction; (2) the ready hydrolysis of DC to DA oxide in the presence of moisture.

Nitrocellulose and Ash. Approximately 5 gram samples were extracted with benzene. The residues were dried at 70°C and weighed as nitrocellulose plus ash. The ash was determined by digesting the residues with nitric acid and then igniting to constant weight at red heat. The ash was weighed and the loss in weight calculated as nitrocellulose.

Moisture. The moisture was determined on 5 gram samples by drying to constant weight in vacuo over calcium chloride.

Camphor. The camphor was determined by subtracting the sum of the figures for the above constituents from 100.

2. IGNITING MIXTURE

Potassium chromate. 0.3 gram samples were extracted with warm water. The extracts were evaporated to dryness and weighed as K_2CrO_4.

Antimony trisulphide. See 2/1 Aust CW Laboratory Folio 14, Appx. C.

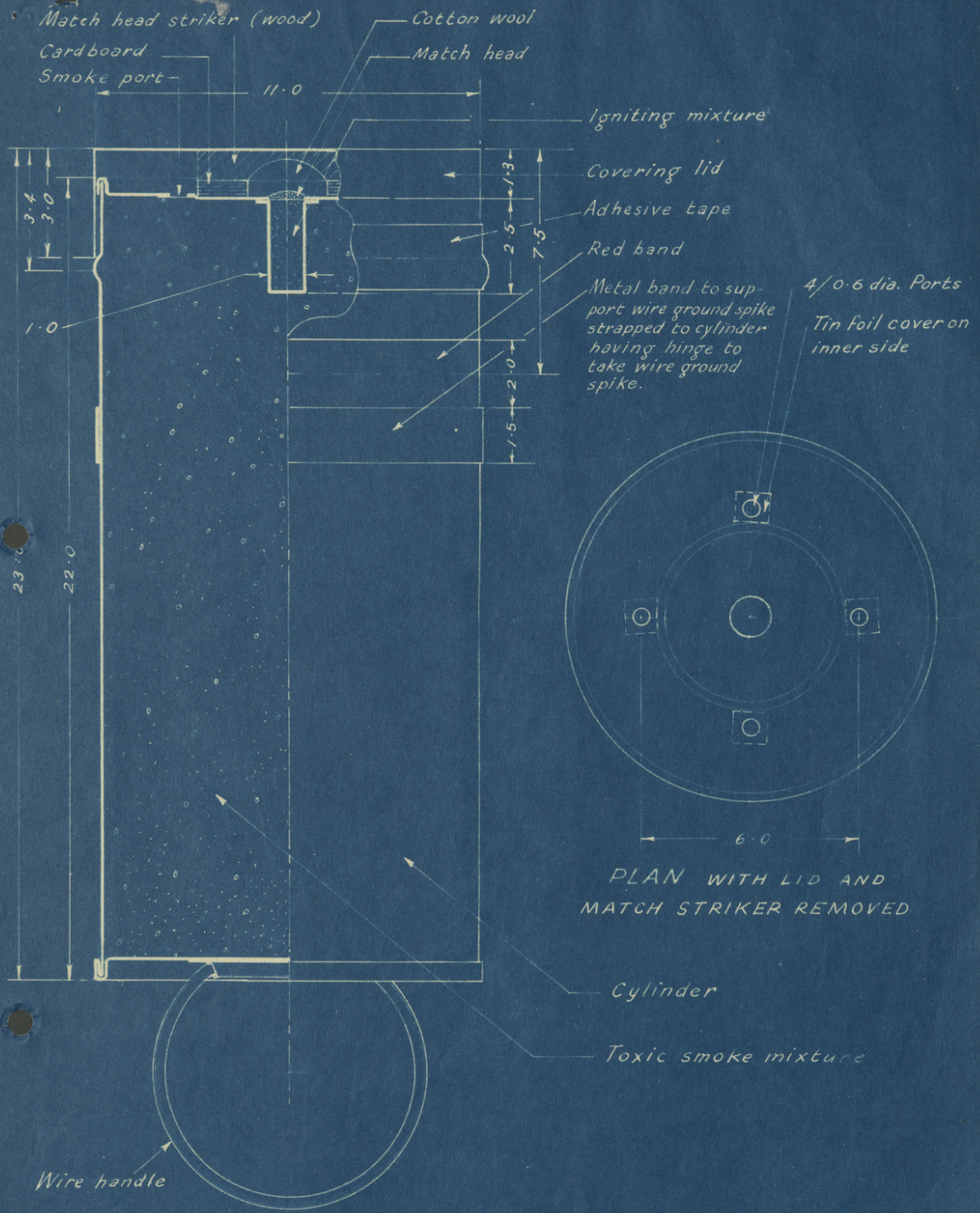
Iron and Chromium[3] The iron and chromium were precipitated as the hydroxides from the filtrate after separation of the antimony. The chromium hydroxide was dissolved in sodium hydroxide-hydrogen peroxide mixture and the resultant chromate titrated with thiosulphate in the presence of potassium iodide. Calculated as K_2CrO_4, this agreed with the figure obtained above. The ferric hydroxide was ignited and weighed as Fe_2O_3.

Zinc[4]. The filtrate from the iron and chromium was neutralised and the zinc precipitated as $Zn.NH_4.PO_4.H_2O$. The precipitate was dried at 105°C and weighed as $Zn.NH_4.PO_4$.

1. Sartori. "The War Gases". p.330
2. Scott. "Standard Methods of Chemical Analysis". p.302
3. Scott. do. p.288
4. Scott. do. p.1058

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX B to 2/1 Aust CW Laboratory Folio 25



JAP. GENERATOR Type 163 K

DIMNS. IN CMS.

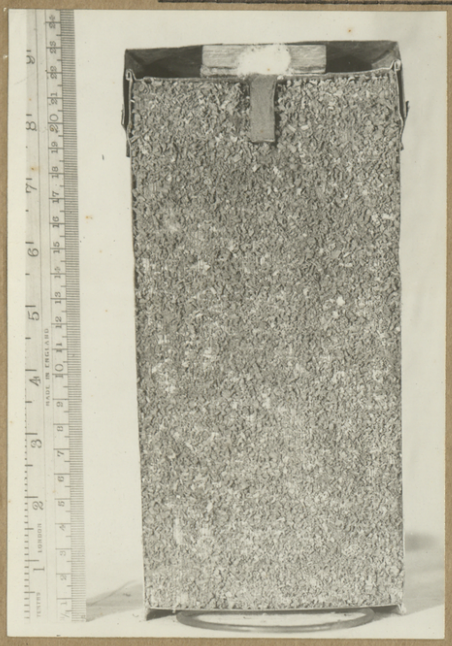
DRAWN A.R. TRACED A.R. CHECKED DATE 7 SEPT.	SCALE: 3/4 FULL SIZE	2/1 AUST. C.W. LABORATORY R.A.E	9 SEPT 43 D. 13.

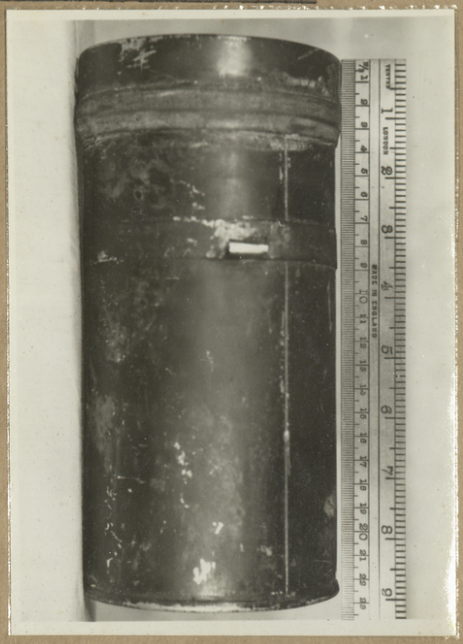
AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/1 AUST. CW LABORATORY R.A.E.

John 25

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646



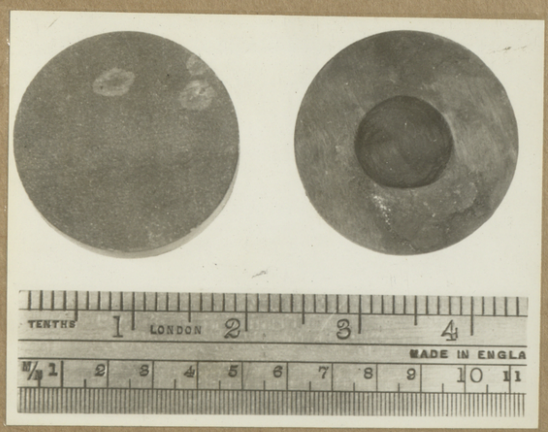




Lid of Generator



Top of Generator (lid removed) showing match head and smoke ports.



Wooden Striker Block



Base of Generator

JAPANESE TOXIC SMOKE GENERATOR TYPE 163K

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/1 AUST. CW LABORATORY R.A.E.

Folio 25.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY
Vol 14 Page 19
Appx. 5

SECRET

Folio 27

Copy No.... 6

2/1 Aust CW Laboratory RAE

061/4/80

23 Oct 43

EXAMINATION OF SHELL CHARGINGS — B4 — SERIAL I

1. SOURCE

Twenty-four shells, four from each of six lots, were received from 1 Aust Base Ammn Depot, Albury, on 15 May 43. The six history sheets are summarised, and the shell markings tabulated in Appx A.

2. CONDITION OF SHELLS

Externally all of the shells were in good condition, showing no signs of leakage. No release of pressure was observed on removal of the charging hole plug.

Two shells, considered to have the least satisfactory fillings, were sectioned transversely immediately forward of the driving band. Shell 71-278 showed fairly extensive corrosion of the piston (Mk VI type) with a few minute corroded areas on the walls. Shell 57-427 had a large longitudinal corroded area on the inner wall about 12 cm. long and occupying about 20 cm.^{2} of the surface, while the piston (Mk VII type) showed practically no corrosion. In neither case was corrosion of the base plate apparent.

3. SAMPLING AND ANALYSIS

Sampling of the shells was carried out on 18 May 43, and these samples analysed during July and August.

Analysis of the chargings gave the following results:—

Lot No.	Shell No.	Colour of Chargings	Ash on Ignition %	Acidity %	PBAN (Corr) %	Density 10°C gm/cc.	Viscosity 10°C Poises
48	571	Red	.12			1.341	11.4
	89	Red	.16			1.337	11.1
	19	Brown	.21	.23		1.340	9.6
	557	Brown	.41			1.337	11.1
57	420	Pinkish	.07	.11	60.0	1.345	10.5
	331	Red	.08	.07	59.9		
	415	Brown	.35				
	427	Dark Brown	.85	.56	54.8	1.358	16.3
62	108	Reddish Brown	.10			1.345	10.3
	139	Reddish Brown	.15	.26	59.8	1.347	10.5
	55	Reddish Brown	.23	.33	58.7	1.345	11.1
	928	Dark Brown	.62	.59	56.9	1.352	12.7
66	848	Reddish Brown	.08				
	809	Reddish Brown	.09				
	909	Reddish Brown	.17	.26	59.7	1.347	11.3
	926	Brown	.46	.20		1.353	11.9
68	427	Pinkish	.07	.07	60.4	1.347	9.9
	499	Brown	.10				
	371	Brown	.40	.62	58.0	1.352	11.5
	398	Brown	.44				
71	21	Brown	.33	.68	58.4	1.353	11.9
	259	Brown	.53	.70	56.6	1.354	13.6
	299	Brown	.55	.55			
	278	Dark Brown	.62	.61	56.6	1.356	13.6

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

Some sediment settled out in all of the samples. It varied in nature from powdery to lumpy. Coarser and more abundant sediments were generally associated with the darker coloured chargings. After a brief washing with carbon tetrachloride, the bulk of the sediment dissolved in boiling water. The solution gave positive tests for iron, mainly in the ferrous state, traces of lead, and bromide. The insoluble portion appeared to consist of organic matter. The lumps, therefore, are probably composed of ferrous bromide and gelled thickener, and this is consistent with the observation that they are formed over the corroded areas.

The ash values obtained on ignition are probably 0.03% to 0.06% too low, this being the amount of lead lost by volatilisation. Composition of the ash and derivation of this correction is discussed in Appx B.

Ash values were first obtained for the complete batch of chargings. A representative selection was then made on this basis, and complete sets of figures obtained for the samples chosen.

4. DISCUSSION OF RESULTS

(a) Mark VI shells, mainly in Lot 71, were found to have a consistently higher viscosity (11.5 - 13.6 poises) than the Mark VII shells (9.6 - 11.9 poises with a single exception of 16.3 poises). The grooved surface of the Mark VI type of piston with attendant difficulty of obtaining an even coating of varnish may be responsible for the more rapid corrosion with its associated thickening and decomposition of the charging.

(b) In Folio No 156 of No 2 Anti Gas Laboratory, RE, viscosities of 9.0 and 11.3 are regarded as "Normal" for B4 chargings, while in Folio No 160 a viscosity of 13.6 is stated to be "Satisfactory." These values embrace the present range with a single exception.

(c) Ash values. In only three of the shells examined did the percentage ash exceed 0.6%.

(d) In a table listing "Properties of CW Chargings," issued by Porton on 22 Apr 42, a specific gravity of 1.335 is indicated as "low" and 1.380 as "high."

All values obtained fall within this range.

5. APPENDICES

The following are attached:—

Appx A. Summary of History Sheets and Shell Markings.
B. Composition of the Ash.
C. Methods of Sampling and Analysis.

Maj
Comd 2/1 Aust CW Laboratory RAE

Distribution:

	Copy No's
DMO (MO7) LHQ ..	1-2
No 5 (Mobile) Section	3
Technical Diary ..	4
File	5
War Diary	6

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX A to 2/1 Aust CW Laboratory Folio 27

SUMMARY OF HISTORY SHEETS AND SHELL MARKINGS

1. HISTORY SHEETS

Lot No	Date of Filling	Quantity	Period	Place
48	R/1/42	1,000	R/1/42 - 21/2/42	Randle
			21/2/42 - 14/6/42	Eastriggs
57	"	"	14/6/42 - 11/8/42	Longtown & in transit
62	"	464	11/8/42 -	Albury
66	R/2/42	1,000	R/2/42 - 21/2/42	Randle
			21/2/42 - 14/6/42	Eastriggs
			14/6/42 - 11/8/42	Longtown & in transit
			11/8/42 -	Albury
68	R/2/42	1,000	R/2/42 - 25/2/42	Randle
			25/2/42 - 14/6/42	Eastriggs
71	"	"	14/6/42 - 11/8/42	Longtown & in transit
			11/8/42 -	Albury

Remarks common to the 6 history sheets were:—

Station or unit — 1 BAD, Albury.
Weapon — Shell QF 25-pr Mk IV-VII Plgd.
Varnished or unvarnished — Var.
Charging — D4.
Filler — Randle.
Mean annual temperature of storage — Eastriggs, 51°F.
Albury, over 80°F.

2. SHELL MARKINGS

Charging Data (Stencilled):			Shell Casing Data (Impress — stamped)		
Lot No	Shell No	Mark	Manufacturer	Lot No	Date
48	571	VIID	DD	232	9 41 TS
	89	"	G.&M.	48	10 41 TS
	19	"	"	53	10 41 TS
	557	"	"	31	9 41 TS
57	420	VIID	DD	317	1 41 TS
	331	"	G.&M.	98	11 41 TS
	415	"	? L.P.	Lot 12	12 41 TS
	427	"	G.&M.	41	10 41 TS
62	108	VIID	G.&M.	39	10 41 TS
	139	"	DD	298	1 41 TS
	55	"	DD	294	1 41 TS
	928	VID	PSK	Lot 291	12 41 TS
66	848	VIID	G.&M.	113	2 41 TS
	809	"	"	1056	12 41 TS
	909	"	"	38	10 41 TS
	926	"	"	82	11 41 TS
68	427	VIID	G.&M.	113	12 41 TS
	499	"	"	38	10 41 TS
	371	VID	P.S.K.	Lot 302	12 41 TS
	398	VIID	DD	290	1 41 TS
71	21	VID	P.S.K.	Lot 299	12 41 TS
	259	"	P.S.K.	" 278	12 41 TS
	299	"	"	" 244	11 41 TS
	278	"	"	" 307	12 41 TS

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX A (continued)

Markings common to all shells were:—

Red ring near nose of shell.
Black band with 25-pr, B4, 10171, B.E., and Lot No stencilled in white.
Green circle.
10171/1 stencilled on black above driving band, along with Lot No and Shell No.
B, stencilled near tail of shell.
Date of filling, as shown in the history sheet summary.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX B to 2/1 Aust CW Laboratory Folio 27

COMPOSITION OF ASH

Qualitative examination of the ash indicating iron and lead to be the only metals present, it was suspected that some of the lead may have been lost by volatilisation during ignition. A comparison of lead in the ash and lead in the original samples was carried out on six representative chargings.

Lead in the ash was obtained by difference between total ash and iron. Iron was estimated by fusion of the ash with potassium bisulphate and sulphuric acid, taking up the melt in dilute sulphuric acid, and filtering off the lead sulphate. After reduction with hydrogen sulphide, the iron in the filtrate was titrated with a standard solution of potassium permanganate.

Lead estimations on the original chargings were carried out, using a colorimetric method. 1-2 grm samples were digested with concentrated sulphuric acid and potassium bisulphate in a Kjeldahl flask, diluted with water and the lead sulphate filtered off and washed. The residue was taken up in a saturated solution of ammonium acetate, and aliquot portions used to estimate the lead colorimetrically after colloidal precipitation as the sulphide under standard conditions.

Shell No	Ash on Ignition %	Fe_2O_3 in Ash %	PbO in Ash %	Total PbO %	Correction to Ash %
68-427	0.07	0.03	0.04	0.088	± 0.05
62-139	0.15	0.11	0.04	0.077	± 0.04
71-21	0.33	0.31	0.02	0.080	± 0.06
68-371	0.40	0.36	0.04	0.093	± 0.05
71-278	0.62	0.58	0.04	0.081	±0.04
57-427	0.85	0.80	0.05	0.081	± 0.03

These results indicate that the Ash percentages obtained on ignition should be increased by 0.03% - 0.06% to give a true value. This appears to be due to the slightly high ignition temperature used, partial volatilisation of the lead occurring after reduction to the metal by the intimately mixed carbon present. By using an ignition temperature of 500°C this discrepancy might be overcome.

Iron is the main variable in the ash, the lead remaining at a low and fairly constant figure. Lead could be obtained from reaction of the B4 charging with the sealing cement. Visual observation suggests that a protective coat is ultimately formed over the cement. Some lead may be derived during manufacture of the filling. Iron appears to be a product of corrosion of the shell wall by the filling.

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APPENDIX C to 2/4 Aust CW Laboratory Folio 27

METHODS OF SAMPLING AND ANALYSIS

1. SAMPLING

Immediately prior to sampling, the shells were briskly rolled for approximately one minute, the charging-hole plug removed, and about 400 grams (half of the contents) drawn off under suction provided by a Beecox Pump. The samples were stored in wide mouth glass jars with ground glass stoppers pending analysis.

The procedure adopted for analysis, in order to effect even distribution of the sediment, suggests that a longer period of rolling or shaking of the shells would probably have given more representative sampling.

2. ANALYSIS

Chemical assessment of Ash, PBAN and Acidity, was made after shaking and stirring the samples for about five minutes until the sediment appeared to be evenly suspended. Density and Viscosity determinations were made on the liquid decanted off from the sediment. As this increased the proportion of sediment in the remainder of the samples, chemical analyses had first to be completed. It was considered that the lumpy nature of the sediment in the more decomposed samples would have interfered with viscosity determinations.

Ash. 5-10 grm samples were carefully heated over a bunsen flame until dry and charred. They were then ignited in an electric furnace for 30 mins at about 700-800°C and weighed.

PBAN and Acidity. PBAN was estimated on approximately 2 grm samples by removing the bulk of the interfering impurities by cold precipitation with benzene, refluxing with aniline and then weighing the precipitated aniline hydrobromide. This method involves a correction for free hydrobromic acid which also forms aniline hydrobromide. Acidity was determined after freezing, filtering off the tar and extraction of the hydrobromic acid with water, by titration with a standard solution of sodium carbonate using congo red paper as an external indicator.

For details of the method see Porton Report No 2312, 21 Jan 42

Density. Densities were determined by floating a hydrometer in the chargings, which were previously maintained at 10°C for 30 minutes. The densities of several solutions of potassium iodide, embracing the range of the B4 samples, were estimated at this temperature by means of a relative density bottle. These solutions were then used to calibrate the hydrometer. The hydrometer scale coincided to the third decimal place with density figures expressed as grms/cc at 10°C.

Viscosity. Two calibrated Redwood Viscometers (see Appendix to Porton Report No 1788, 21 Sep 37) with approximately 4 mm diameter capillaries were used for these determinations. Both containers and receivers were cleaned and dried between duplicate runs. Temperature variations did not exceed ± 0.1°C, and 20 to 30 minutes were allowed to elapse before the temperature of the chargings was regarded as constant. Viscosities were calculated from the formula--

Viscosity = K x Density x Flow Time.

To estimate the constant K, two lubricating oils were used with viscosities of 7.12 and 21.5 poises. These gave respective values for K of 0.0375 and 0.0378 for one instrument and

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

0.0379 and 0.0381 for the other. Mean values were used.

The viscosities of the two lubricating oils were determined by the falling sphere method, on the same day that the Redwood viscometers were calibrated. Fall times were measured to the nearest tenth of a second and the same temperature conditions applied as in the case of the Redwood Viscometers. The corrected formula was used in calculating the viscosities—

$$\text{Viscosity} = \frac{d^2 t\, g\, (d_1 - d_2)}{18 s\, (1 + 2.1 \frac{d}{D})} \text{ Poises}$$

where d = diam of fall sphere
t = fall time
g = acceleration of gravity
d_1 = density of fall sphere
d_2 = density of oil
s = length of fall
D = diameter of fall tube

Details of the instrument are described in MSL/CD Note 1, 14 Jun 43.

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WAR DIARY
Vol 14 Page 19

SECRET

Appx. 6. 2/1 Aust CW Laboratory RAE

Folio 24

056/1/ 83

Copy No. 6

23 Oct 43

JAPANESE WATER FILTER — ISHII TYPE

1. SOURCE

Received from Technical Museum, MCO Branch, LHQ (through Staff Capt, Enemy Eqpt).

2. APPEARANCE

The outfit consists of a hand pump and filter, with a flexible intake pipe. The external metal surfaces are nickel-plated; the whole was apparently painted olive green, traces of this paint being still visible.

Two brass labels with embossed lettering, were translated to read:—

(a) " ISHII TYPE.
Individual Use Water Filter.
Manufacturer's Number — P.9248.2.
Army Medical College."

(b) "Ishii type individual use water purifier — Instructions for use.
To use the Filter: Screw in the leg in the lower part of the pump, and place the other end of the intake tube in the source of supply.
To work the Filter: Close the draining tap tightly, and loosen the air vent. With the foot firmly on the stand, move the suction handle up and down, when water leaks from the air vent, close this tightly and purified water will come from the clean water outlet pipe.
To clean the Filter: If through continued filtration the water which comes out is dirty, turn the "clean water outlet" several times to the right. Open the draining cork while shaking the inlet tube (which has been placed in the source of water).
The muddy water will drain from the drain cork. (If this does not improve the cleansing effect, wash and brush the inside thoroughly). If the hair on the brush has become worn, the cleaning will be improved if the second brush is put in its place, and the filter is again cleaned according to the above directions.
N.B. After use the drain cork should be opened and the inside completely dried.

Instructions for Disinfecting:
About 1 drop of Chlorine to 10 or 20,000 drops of water or Hodogaya fluid may be used, or from 3 to 5 per cent solution of carbonic acid should be pumped through. Next put through clean water for 5 or 10 minutes until the water coming from the clean water outlet has no smell of the disinfectant. Wash out the inside for 10 minutes with clean water. If necessary the outside may also be disinfected.
N.B. Wash well after using chlorine, otherwise the metal will corrode.

List of parts:

1 Filter (filter tube, cleaning brush, mouthpiece)
1 Carrying bag
1 Spare filter tube
1 Filter preparation
1 Litmus paper
1 Strainer and water tube
1 Spare packing washer
1 Spare brush
1 Corrosive sublimate testing paper
1 Set of instructions for use of the testing paper

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

3. DETAILED EXAMINATION

(a) Weights of components:

Body (filter container and pump)	909 gms
Pipeclay filter	175 "
Piston	185 "
Cover plate	135 "
Flexible pipe	190 "
Delivery pipe (elbow)	54 "
Handle	24 "
Brush	17 "
The complete outfit weighs, approximately ..	1,689 gms

(b) Pump:

This is of the single acting force type and is incorporated into the structure of the outfit with its outlet leading directly into the filter container.

The piston consists of a cylindrical rod 1.8 cm in diameter and 18 cm in length. The upper end carries a flange, and a handle.

The pump cylinder incorporates a packing gland sealing the piston at the upper end and a screw gland sealing the valve system at the lower end.

Two ball valves are carried in a short cylinder 5.2 cm long running parallel to the lower portion of the pump cylinder. Each valve consists of a brass ball 13 mm in diameter, on a ground seating. The space between the balls is connected to the pump cylinder by a short tube, while another tube leads from above the upper ball to the filter container.

Screwed to the lower end of the short cylinder is a nipple to which is attached the inlet pipe.

(c) Flexible pipe:

This consists of a fabric tube 1.3 cm diameter and 137 cm long, incorporating a spiral wire. At one end the pipe is reinforced with a metal sleeve gripped by a short length of wire binding. The other end is attached to the intake nipple at the lower end of the short valve cylinder.

(d) Filter container:

This consists of a cylinder 5.7 cm internal diameter and 14.1 cm in length. A cover plate is secured to the lower end by three hinged clamps with wing nuts; on tightening these clamps the cover plate is bedded onto a rubber washer let into the lower flange of the filter container.

A small release tap (presumably the "drain cork" in the translation) is fitted to the cover plate.

On the inner surface of the cover plate is a stud to hold the pipeclay filter in position.

A small escape cock on the outside of the filter container, near the top, is probably the air vent referred to in the translation.

(e) Filter:

This comprises a porous pipe clay tube 3.8 cm in diameter and running the length of the filter container. At the lower end the tube is closed by a cap which is provided with a recess to engage the stud on the cover plate.

The upper end is fitted with a 5 mm pipe leading through a leather washer and stuffing box to a delivery pipe in the form of an elbow. This elbow enables the pipeclay filter to be rotated so that its outer surface is cleaned by a fine wire brush fixed longitudinally in the filter container.

The pipeclay filter is placed eccentrically in the filter container to allow the brush to be held against the inner wall. Clips are provided to hold two brushes side by side in this fashion although only one was present in the apparatus examined.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

(f) Spare parts:

The spares and other items listed at the end of the translation were not present in the outfit examined.

4. OPERATION

On the upward stroke of the pump water is drawn up the inlet pipe, past the lower valve and into the pump cylinder. On the downward stroke of the pump the lower valve is closed; water is forced out of the pump cylinder, past the upper valve and into the filter container.

Air in the filter container is forced out the escape cock, which, according to the instructions, should be left open until water leaks from it, and then closed.

Further pumping forces water through the pipeclay filter from the outside and out by way of the delivery pipe.

5. APPENDICES

The following are attached:—

Appx A. Blue print.
B. Photographs of outfit.

H C Allen

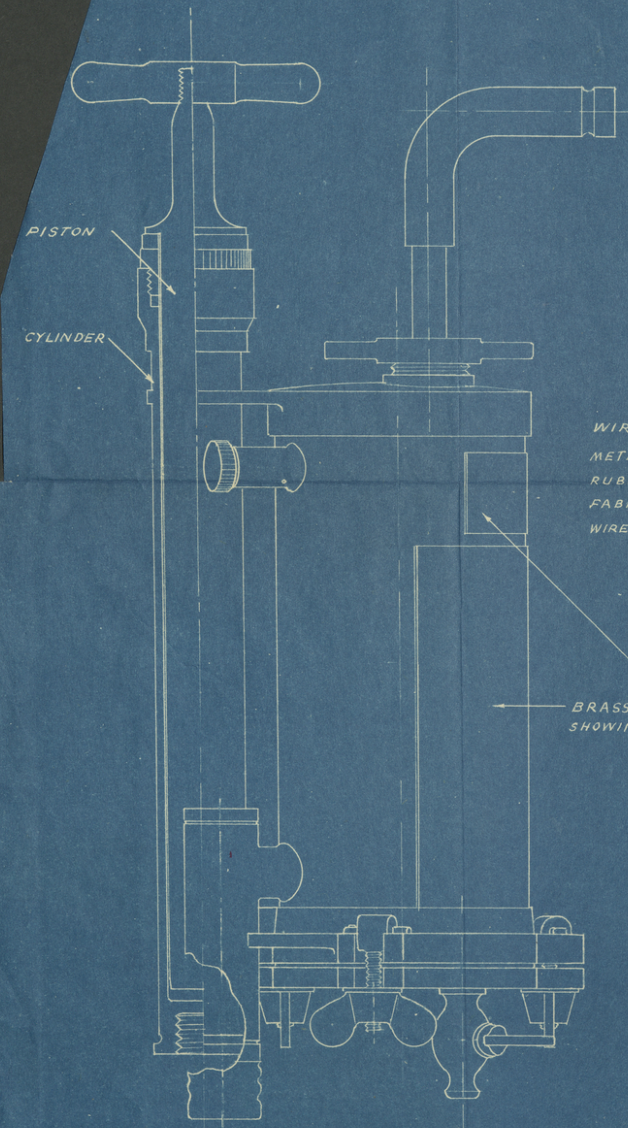
Maj
Cond 2/1 Aust CW Laboratory RAE

Distribution:

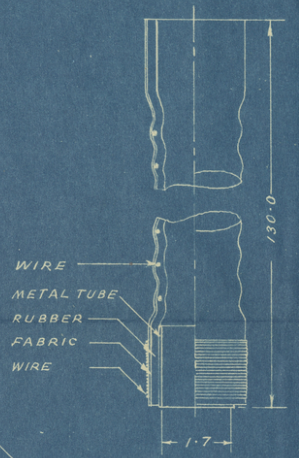
	Copy No
DMO (MO7) ..	1-2
Mob Sec ..	3
Tech Diary ..	4
File	5
War Diary ..	6

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

APPENDIX A to 2/1 Aust CW Laboratory Folio 24

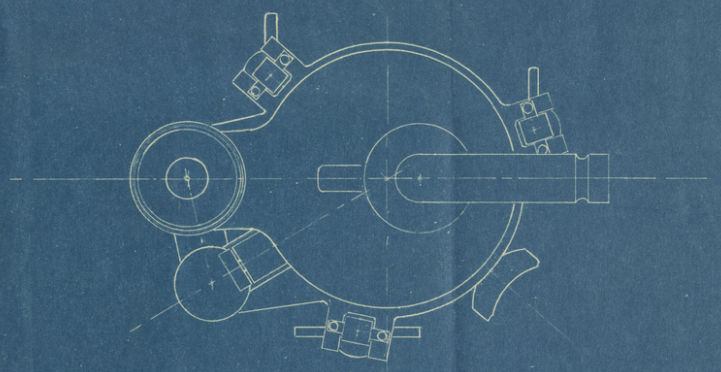


ELEVATION

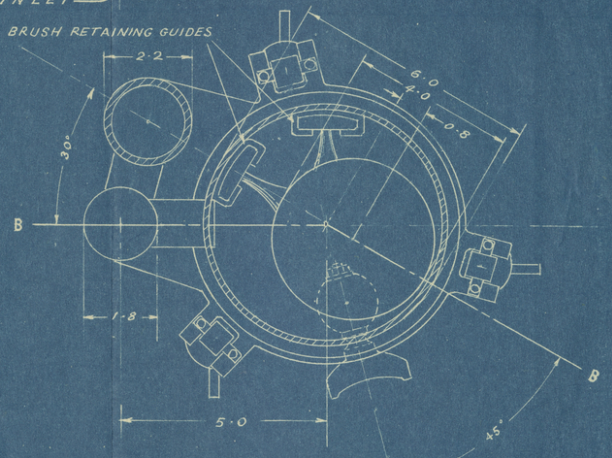


INLET PIPING

SECTION B.B.



PLAN



DIMNS. IN CMS.

SECTION A.A.

JAPANESE WATER FILTER IISHI TYPE

DRAWN	A.R.	SCALE:	2/1 AUST. C.W. LABORATORY R.A.E.	14 SEPT. 43
TRACED	A.R.	FULL SIZE		D.14
CHECKED	F.A.G.			
DATE	12 SEPT.			

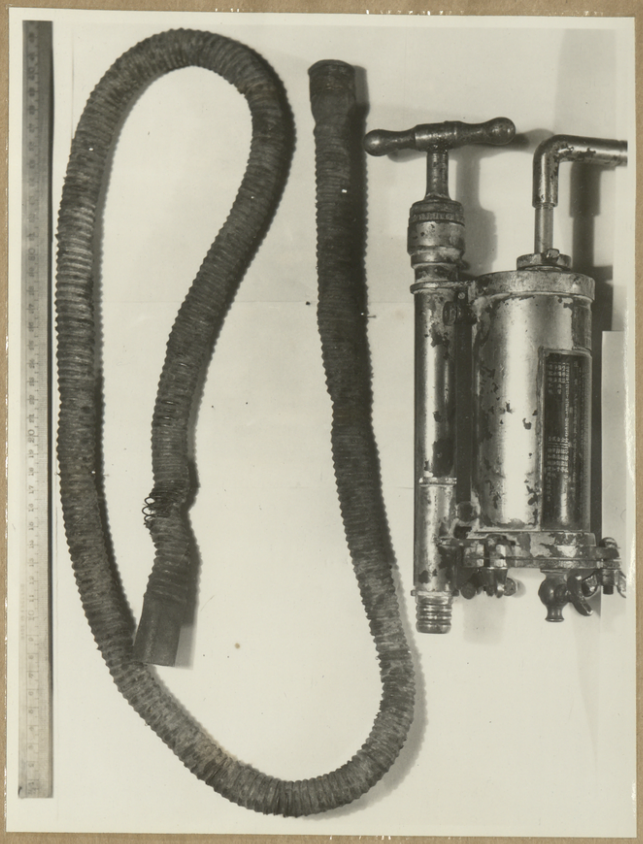
AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

2/1 AUST. CW LABORATORY R.A.E.

Appx A & Folio 24

2/1 AUST. CW LABORATORY R.A.E.

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646



Filter complete with flexible pipe detached.



Pipe-clay filter tube and
wire cleaning brush.

JAPANESE WATER FILTER -- ISHII TYPE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY
No 1 – 14 Page 21
Appx. 7

CLASSES — ORGANIC CHEMISTRY GRADE II

2/1 Aust CW Laboratory RAE
052/3/92
26 Oct 43

The Principal,
Melbourne Technical College,
Latrobe St., MELBOURNE, C.1.

Dear Sir,

It is advised that the personnel of this Unit who have been attending the above-mentioned classes, will be obliged to discontinue their attendance after 26 Oct 43, owing to the conclusion of their military duties in this State. It is understood that this will coincide with the termination of classes for the year.

I desire to express our appreciation of the facilities afforded these men. Although the late commencement prevented their covering the complete syllabus, their attendance has definitely been worth while.

Yours faithfully,

Major, Commanding

War Diary

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY
No 1 — 14 Page 21
Appx. 8

CLASSES IN ORGANIC CHEMISTRY GRADE II

2/1 Aust CW Laboratory RAE
G52/3/91
26 Oct 43

DAD Education
HQ Vic L of C Area
252 Swanston St, Melbourne

1. Attached hereto is a copy of a letter forwarded to the Principal of the Melbourne Technical College, advising the termination of attendances at the above classes.

2. Similar notification was sent to the Principal of the Footscray Technical School on 17 Sep 43, in our minute G52/3/985, of which a copy was sent to you.

3. It is intended to arrange further classes through Education Services in Queensland L of C Area, after our movement to that Area has been completed.

Maj
Comd 2/1 Aust CW Laboratory RAE

War Diary

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

WAR DIARY

Vol 14 Page 25

Appx. 9

2/1 Aust CW Laboratory RAE
G67/1/46
9 Oct 43

Copy No. 5

APPX E TO 2/1 AUST CW LABORATORY FOLIO 14

Trials — Japanese Type 99 Self-Projecting Smoke Candle, 2-inch Mortar (Smoke) and 63 Grenade.

Held at Broadmeadows, Vic, 16 Aug 43.

Weather: Clear cold day.
Wind 10-15 mph, gusty, increasing to 15-20 mph. Direction: Southerly.
Conditions variable and somewhat unfavourable.

Results:

1. 63 Rifle Grenade (Smoke). Range, 170 yds.
Smoke emission commenced 6 sec after firing, in each case.

Bomb	Time of flight	Time after landing for effective smoke	Period of effective smoke
1	8 sec	1 sec	55 sec
2	9 "	1 "	47 "
3	9 "	6 "	37 "

Wind increased during this trial, with consequent variations in the period of effective smoke. With No 3 bomb, a strong gusty wind during early emission of smoke caused the screen to take longer to become effective. The period of effective smoke was correspondingly reduced.
Maximum smoke gave a dense and effective screen.

2. 2-inch Mortar (Smoke). Range, 300 yds.

Bomb	Trajectory	Time of Flight	Time after landing for effective smoke	Period of effective smoke	Type of Screen
1	High angle	12 sec	3 sec	80 sec	Poor — too thin.
2	Low angle	6 "	3 "	106 "	Bomb bounced on impact, making accurate placing difficult Screen similar to No 1

Three bombs fired in succession gave a much more effective screen than single bombs.

3. Japanese Self-Projecting Smoke Candle Type 99. Range, 215 yds.

Bomb	Time from ignition to flight	Period of flight	Period of smoke	Type of screen
1	7 sec	8 sec	87 sec	Dense: effective
2	5 "	5 "	105 "	Dense: effective

(Figures for No 2 Bomb were obtained from an earlier trial.)

(The above results were obtained from Lieut Kerr, D of A, MGO Branch.)

Distribution:

DMO (MG7) LHQ 1-2 Tech Diary 4
File " " 3 War Diary 5

Maj
Comd 2/1 Aust CW Laboratory RAE

AUSTRALIAN WAR MEMORIAL AWM2020.71.3646

War Diary

WAR DIARY
Vol 14 Page 25

Appx. 10

2/1 Aust CW Laboratory RAE

MANNING DATA AS AT 19 OCT 43.

Unit HQ:

OC	Maj J C McAllester
Adjt and QM*	Lieut J R B Neil
CSM*	WO.II Butler P F
CQMS	S/Sgt Code R W
ORS	Sgt Goudy G G
Cook	Spr Arnett R
Clerk	Spr Shaw L
Storeman	Spr Allen P T H
Orderly	----
Driver	Spr Jones W A
Driver	Spr Plummer F W
Driver	Spr Dover J L
Batman	Spr Dodd S C
Batman	----

No 1 (Amn) Section:

Amn Offr	Lieut F A Goldstone
Laboratory Assistant	Sgt Brunton P W
Photographer	Spr Dover R E
Electrician	Cpl Kline A
Fitter	Spr Murray W
Draughtsman	Spr Hohne K H
Plumber	Spr Durran M J
Carpenter	Spr Curtis G J
Driver	Spr Plummer F W

No 2 (Chemical) Section:

Offr i/c	Lieut C H Bull
Chemist	WO.II Butler P F
Laboratory Assistant	L/Sgt Hamlyn-Harris H T
Laboratory Assistant	L/Sgt McLaren
Laboratory Assistant	Spr Dowd G
General Dutyman	Spr Barber G

No 3 (CW) Section:

Chemist	Sgt Smith L S
Laboratory Assistant	A/Sgt Kellick O G
Laboratory Assistant	Cpl Corner G G

No 4 (Medical) Section:

NOT RAISED.

No 5 (Mobile) Section:

Tech Offr (CW)	Lieut J R B Neil
Driver	Spr Rossborough F

* In addition to Technical Appointment held.

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