

AWM52

**2nd Australian Imperial Force and Citizen
Military Forces unit war diaries, 1939-45 War**

Item number: 8/5/2

2/2 Machine Gun Battalion

February - April 1944, Appendices

APPX F.

SCHOOLS & COURSES

Salvage

8 Jan '44

Origin of term

salvare - Latin - to save.

Always tied up by any successful enterprises and occupies essential place & scrap metal etc. — Army biggest organization of all time, becomes doubly important.

Inculcation of spirit of destruction renders a definite training in salvage of importance.

C.O. to Coy Comdr

Coy Comdr to Pls

→ later

Pls small salvage unit working in field.

Costs of war enormous England spends £ million 1/2 per day. Costs of:

① bomber £30 — £50000

② fighter £10 — £15000 up to £25000

③ Vickers gun and stores £130.

④ 25 lbs — £2.10 per shell

salaries to Navy Army Air Force
repairs to equipment.

replacement of parts.

All material can be salvaged — matter is indeluctable and, by process, waste material can be re-manufactured. — shipping etc limits salvagable stuffs in forward areas.

Salvage units 9 Div unit 1000 about 30 OR's very small establishment but every member of forces is official member.

To emphasize the importance of this branch of tug herewith figures for period 28 Nov 43 — 1 Jan 44

Areas of recent fighting £80000

Norwich £47 1/2 "

Milnet Bay £23 "

Buna £29 "

Ras £5 "

Value to Intelligence. = all salvage of enemy equipment may reveal unknown factors to I.

weapons

equipment

clothing

maps

etc

— as vital as sending in photos & papers from prisoners.

Methods

Pls to salvage into dumps viz.

1 Amms

2 Equipment

3 Clothing

4 drums - etc.

put man to dumps to keep tidy. Inform Coy when dumps ready — don't be discouraged if salvage trucks are slow — big areas to cover —

Don't forget to use salvage for what you need.

make salvage your first thought when wanting anything. They will rise on demand to all N.C.O. unless items controlled.

Need for S today — Rubber pre war
£1,600,000,000 tons

200 000 " — reduction after Jap entry
synthetic sources still not adequate.

Remember — It is our war — and we must pay for it — better do it by our parades than by lengthy post war — Manpower to supply new stuff. — Our weakness Japan's strength.

DEPENDS ON M.T.
THEIR OWN EXPERIENCE WITH M.T.
SOFT LEADERS & GUNS & TRUCKS
THEIR INTEREST
RELATION N.C.O.'S & DRIVERS. JUSTICE
OVERLOADING. STEER. SPRING. CONTROL
PACKING. BRAKES
ROUGH LOADING.
PERSONNEL SEATED. TAIL BOARD.
N.C.O.'S MUST NOT DRIVE (ACCIDENTS 2).
PAPERS TO BE CARRIED.

M.T. & N.C.O.'s 28/1/43.

As you all know everything connected with the movement of the Bn. whether between standing camps, tactical exercises manoeuvres or in action depends on transport, whether per hoof, lorry, lorry or for the purpose of this lecture, Motor.

One thing I'd like to stress is the degree of responsibility of N.C.O.'s with regard to a certain vehicle. Section leaders, Pltn. Sgts, etc always know the condition of their guns & gun crews. They know where they are at any given time & what cleaning etc. has been done on the gun. Often though they are not aware as to ~~whether~~ their driver is or the truck & have no idea when last he greased it or did any maintenance.

You have all, at some time or other had something to do with vehicles, either owned driven your own in civilian life or at least since you have been in the army observed the manner in which a truck deteriorates under conditions which most army vehicles operate.

Now N.C.O.'s riding on a vehicle with

their gun crews should in my opinion be very interested in the trucks condition, & prompt the driver, should it be necessary.

N.C.O.'s sometimes suffer from an inferiority complex regarding the driver & sometimes regard the Dvr. as being in supreme command, he is not.

This must be tempered with justice.

The driver is in charge as far as driving the truck is concerned, as to whether or no he can get over a road if its boggy steep rough etc.

Over Loading & Loading. Largely a matter of common sense, everyone knows the capacity of the vehicle he is riding & generally he is the chap that details the load. When a truck is overloaded springs, transmiss & mainly tires are affected & often steering. "A" Coy. instance Abd-el-Kahman.

Loading parties stones etc. rough handling onto bodies. Jebel TOURBA, instance.

PERSONNEL RIDING ON TRUCKS sit flat on floor two in front. N.C.O.'s NOT TO DRIVE except under exceptional Circs. FORMS which driver must carry.

P.T.O.

Six altogether.

- ① R.A.F. C2. WORK TICKET.
 - C. 11. Driving Licence.
 - C. 12. Vehicle Outfit List.
 - C. 13. Accident Report. ***
 - B. 20. Log Book.
 - S. O. FOR DVPS Mech Vehicles.
- ACCIDENT REPORT.

∴ Perimeter: Lines of fire?
Fields " " ?

- ① Introduction
- ② Perims: may vary in size. Bn, Coy, Bde etc
- ③ Basis of Perim should be all round fire, views etc
- ④ M.M.G should be Basis of Perim defence
They must be covered with rifle fire.
- ⑤ Have ~~lines~~ all round fire plan with
S.D.F from Artillery & three inch mortar. Have
- ⑥ In Perim build proper defences according to
length of time you are there.
- ⑦ Beach head
.
.
.
- ⑧
- ⑨ Lines of fire first giving place to fields
Fields of view.

MAIL & AMENITIES

Mail - Normal channels - civil authorities -
Base P.O. - Fed P.O. - Unit - Coys - Pls -
Minimum 5 sortings.

average within Div - approx 1000 daily

Parcels. Same channels - apt. priority
average Div deliveries - 7000 bags
Civil censorship

Outward - Channels reversed
Parcels - natur' goods -
Army equipment etc
Bags on parcels.

When sent on evacuation - Hold for couple of days -
then C.C.S. Hold until either in or notified RTU,
if on sent to 7 AUSTRALIAN ARMY BASE P.O., redirection su.

Change of address cards - Aust.

Amenities. Amusements comforts etc.
Sources of supply - Red Cross (limits Geneva convention -
sick only)

YMCA - SALVATION ARMY.

Rgt. Funds - purpose - Offrs - sources of supply
(Canteen profits + Unit Auxiliaries).

Method of spending - final decision - Committee.
- non-purchasable items.

Unit Comfort Auxiliaries - funds - goods
(Hammocks tongue, pras, cakes, jam etc) -

How acknowledged - A.C.F.

Special Army Services - Mobile cinemas, AES - libraries -
talks / discussions - music - tech courses etc.

Amenities within Div - sporting goods etc -

Purchasable Rgt. Funds etc.

Suggestions required from all ranks - requirements.

Questions:-

A. B. Goldsmith
6/4/47

O.C
N.C.O School

Censorship and Security 26 Jan 44.

Censorship. 1/ Reason.

To minimise the danger of valuable information falling into enemy hands, by careful check of all channels of comm.

2/ Organisation. (a) Army censors. Powers + Limitations.

(b) Civilian - Limitations. -

3/ The NX's Letter. (a) Unit Offs + Unit censor.

(b) Base censor.

(c) Civilian P.O. and civilian censor.

Once mail reaches civilian channels, army has no power to interfere without special permission.

4/ General censorship. (a) Telegrams + cables.

(b) Phone calls (monitored)

(c) Newspapers, radio.

5/ New Guinea Regs. (a) Native census, (b) army and canteen, equipment or issue (c) Enemy equipment.

(d) Parcels.

Security.

1/ Object

To prevent leakage of info, from damaging war effort and attacking morale by rumours and propaganda.

2/ Info sought by Enemy. Intentions, plans, strength, dispositions, equipment, supplies, convoys, morale, casualties.

3/ Affecting Mts. (a) Destruction of maps, documents etc.

(b) On patrols and in contact nothing carried on person that will reveal more than No RANK NAME

4/ Enemy Security. Unsuccessful, owing to

(a) Lack of security instructions to tps.

(b) Propaganda to even tps, especially to P.W.

Whennet Hunt.

Drill Orders.

Reason

Drill is the foundation of discipline. Its objects

1. To compel the habit of obedience.
2. Stimulate by combined and orderly movement, a mans pride in his unit.
3. Enable bodies of men to be formed up and moved rapidly and without confusion.

General rules.

1. Good drill depends in the first instance on good words of command.
2. Short periods of smart drill better than long periods. Quality not quantity that counts.
3. Comd. of any parade will place himself where he can best control.
4. Dressing taken up at end of each movement. Aim to have men so well trained that there is no need to move on "Right Dress"

Orders.

Cautionary and Executive.

Cautionary slowly and clearly, executive sharply, but still clearly.

Keep voice up for executive.

Some give good orders on Voice Control training, but drop back to old monotone when in front of squad.

Stand well clear of squad so that their movements can be seen more clearly, and so that voice can be raised to enable all to hear.

Bring voice up from stomach.

Executive must be given at right time.

Orders.

(1) Orders must be clear and incisive.

Drill Formations.

Three sets of formations, (a) Platoon
with the Bn. (b) Company
(c) Bn.

Pl. Drill.

- (1) Forming up and inspection.
- (2) Pl. in line forming column of route.
- (3) Pl. in column of route forming line.
- (4) Other Movements
As per squad drill

Company Drill.

- (1) Falling in.
- 2, Close column halted forming column of route
 - (i) Advance (or retire) in column of route.
 - (ii) Move to the right (or left) in column of route.
 - (iii) Advance or retire in column of route No. 1 followed by.
- (3) A close column when halted moving to a flank in threes.
- (4) Column of route forming forward into close column of platoons.
"At the halt on the Left, form close column of platoons"
- (5) A column of route forming close column of platoons at the halt facing a flank.
"At the halt, Facing Left. Form close column of platoons."

Bn. Drill.

- (1) A mass moving off in column of route
"Advance or retire in column of route from the right (or left) in the following order."

(2)

(2) A column of route forming mass facing in the same direction.

"At the halt on the left form mass."

(3) A column of route forming mass facing a flank.

"At the halt, facing left, Form Mass."

LECTURES *LR*

First Week

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
0830- Arms Drill.					15
0900					
0955 SALUTING	0905 Gds. & Picq.	0905 Drill	1050 CUTTING PARTIES?	0905 Gds. and	1515 Drill
1040	0950	0950 Formations	1135	0950 Picquets	1600 Formations.
1140 Resters & Working Parties	0955 Drill	1515	1515 DRILL		
1210	1040 Orders	1600 Saluting	1600 FORMATIONS		
1420 Drill Formations	1330 } Track ?				
1505	1505 } Movement.				
1515 Drill Orders					
1600					

Second Week

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
0830					
0900					
			1045 TRACES,		
			1130 VISABILITY CHARTS		
			BIVOUC ALL NIGHT.		

Rosters & Working Parties.

Rosters. *Who keeps them?*

Necessary to ensure that all work is distributed fairly.

May take any form so long as they serve purpose. May use several, or a comprehensive one.

Enter up all jobs immediately, EVEN ON SERVICE; (Our job in N.G.)

Enter up sick, etc. on days that any duties are on.

Balancing of duties.

- (1) Give each job a definite numerical value.
- (2) Add all jobs together and mark on right hand side in pencil.
- (3) Group number of jobs under each heading in pencil on right hand side of roster.

Only put date in as required as this will make roster last longer.

Size of roster.

Immaterial as to width.

Long enough to have all names on one sheet.

Coy. Roll Book. Pl. Roll Book.

Working Parties.

Always detail men.

Where there are several jobs going all of a similar nature as regards pleasantness detail men suitable for each job - Carpenter to building a table.

Don't put a man used to a job on it continually to the detriment of himself (if it is hard) or to the detriment of his mates (if it is easy)

Look after the willing horse.

See the party gets away on time.

See that provision is made for meals to be kept if necessary.

that the required tools are necessary.

When in charge of a working party don't be afraid to ask advice from members of the party.

Work with the party by all means, but still be the directing party.

Have the work done your way, but first make sure that your way is the best.

When in charge of a party make sure of what is required.

Usually in the Army there are too many men either for the work in hand or the tools available. Split men into groups and see that all get the same amount of work.

WHEN GIVEN A JOB to do but no specified number to do it with. work out time it will take, tools required and men.

Traces of defensive positions required
by the "I" Section.

M.M.G. role ultimately becomes one of defence and the fire plan is worked out and co-ordinated by higher Authority. To enable this to be done several charts and diagrams are required as soon as a position is occupied as is possible.

They are:--

1. Trace of position
2. Visibility chart
3. Marked range card showing where it is safe to fire.
4. Large scale sketch of own troops, defences, etc. in the vicinity.

Sec. Comd. must set about these tasks immediately.
~~setting about the work~~

Trace of position.

The importance of this cannot be stressed too much as the ~~xxxxxxx~~ fire plan is co-ordinated when these are all traced in.

Resect position.

Take bearings of fixed lines and arcs. { Convert bearings }

Ranges to fixed lines and mark in to scale the length of the beaten zone.

Mark these on own map if one issued.

Superimpose some tracing paper (air mail paper, etc) and trace the position of guns, arcs, etc.

Mark two sets of co-ordinates and number them

Finally mark on top right hand corner the Pl. or Sec. No., Coy and date.

When any amendments are made to either arcs or fixed lines advice must be sent immediately by quickest means to Bn. followed by an amended trace legibly marked as such.

Visability chart.

Designed to show by shading the dead ground within arcs of your position. Higher Authority can then compare it with the visability charts of other areas and see iff they can cover the dead ground. If it is dead to all guns they have to make it a mortar or arty. task, or site guns to cover it.

Make trace of map. Range-taker gets ranges to near and far edges of dead ground whilst you take bearings to them.

Draw the dead ground in to scale.

Easy to visit nearby Inf. and arrange for their Brens to cover it.

As a help to Bn. mark any areas ~~xxxx~~ of your dead ground that is covered by Inf. Brens.

When time permits the positions of nearby ~~xxx~~ inf. should be marked in.

A copy of chart should be kept at position as part of hand-over files.

Dead Ground may be marked on Trace of Position.

Marking Safety on range card.

1. Get ranges to all inf. positions.
2. ~~xxxxxxx~~ Take positions one at a time and work out
 - b. Flanking safety (Watch the F.S. of one posn. doesn't become an Overhead problem to another post.
 2. The Equivilent range for each posn.
 3. Near Max. limit, if any.
 4. ~~From~~ Zero line mark off in degrees.

Sig Lecture NCO school 27th
(1917)

1 Description of material used by Reg. Sigs.

(2) D, D8 cable, DV phone.

2 Correct use of DV. { Buzzing (effects of) switches
(5) { Speaking (press switch - yelling)

3 Care and cleaning DV.

affects of moisture
" " dirt grit.

(10) drying handset.

4 How to connect metallic circuit

(10) earth return } on
Series } Blackboard.
Part.

5. Earth Pins. placing etc.

(3)

6. Pts to watch cable laying :-

(10)

- 1. The bucks (demonstrated)
- 2. Overhearing (induction)
- 3. Bares

7 Reef knot - joining - tying in (demonstrated)

(5)

Time 45 mins.

Whitwell

Reports and Information.

Reports.

1/ Wrong methods.

- (a) Incorrect headings
- (b) no dates, no map refs.
- (c) no mention of times or weather.
- (d) Verbal messages not making sense.

2/ Methods. (a) Verbal - for speed - Phone, followed by (b) written for confirmation.

3/ Correct heading

4/ Text. complete but brief and clear. correct or no abbreviations. All times, dates, + map refs. numbered paras. correct sequence.

5/ Types of Reports.

- (a) SITREPS
- (b) Recce
- (c) Patrol
- (d) Track
- (e) O.P. Logs.
- (f) Shelling, bombing
- (g) Rd.

(6) Sequence Track Report.

- (a) Track time (total travelling time)
- (b) Time + Date of start.
- (c) Estimated mileage
- (d) Width + if suitable for M.T, tps or carriers.
If can be made jeepable
- (e) Surface. Affects of weather
- (f) Grads
- (g) Landmarks, + bearings to them from various points
- (h) Adjacent country, foot cover, dispersal, and, or overland movement
- (i) Local supplies + accommodation
- (j) crossings, creeks, rivers, ravines, with depth, width, direction of flow.
- (k) Native contacts. Friendly or hostile
- (l) Pests encountered, malarious areas.
- (m) Weather

- 1 Bones of Body. (1) Names of them
(2) Sites of bones. eg humerus
radius + ulna, upper limb.
femur tibia + fibula lower " "
(3) Common Fractures
(1) Colles (arm)
(2) Potts (ankle)
(3) First aid of fractures.
(4) Signs of Fracture.

2 Shock

111 Definition

Shock is a de-vitalization of vital centres.

(2) Signs + Symptoms

Pale, sweating, arken blue. cyanosed lips. rapid weak thready pulse. Pulse often not palpable at wrist. Patient may vomit.

(3) Treatment

- (1) Morphine grains 4 by hypodermic injection or twice dosage under tongue
(2) Heat Blankets, gas cap etc
(3) Alleviate fear.

(4) Causes of Shock

- (1) Fear
- (2) Pain
- (3) Cold.

3 Short Talk on Dangers of Inadequate
and Indiscriminate dosage with anti-mal-
arial drugs. eg quinine
atetra
Plasmoquine.

-
- I
- (1) Cause of Malaria
 - (2) History of Malaria
 - (3) Types of Malaria (4) four.
 - (4) Signs + Symptoms of Malaria
 - (5) Chronic Malaria
 - (6) Complications of Malaria
 - (7) Blackwater Fever
 - (8) Prophylactic + Therapeutic Dosages
of antimalarial drugs
 - (9) Treatment of Malaria.

Water

Water Dates Lecture by Pto Wallace

(1) Water: Types of Water.

Well Water

Pond Water.

Bore water etc.

(2) Impurities In Water

(1) Chemical

(2) Bacteria

(3) Sterilization of Water

Boiling

Chlorination + Superchlorination

Tests for poisons eg Copper, Bismuth etc.

The importance of the sterilization of water is stressed in these lectures as an all important factor in successful campaigning.

Report on Bivouac.

4 Feb. 44.

3. Feb.

- 1645 Moved out of School area. Pl.H.Q., followed by 1 Sec. followed by 2 Sec. Intervals 40 yards between sections.
- 1700 Arrived area. Pl. Comd. given order to Bivouac for the night.
- 1700 Pl. Comd. and Sec. Comds. on recce. Made a recce over about 100 yards radius.
- 1707 Pl. Comd. gave Sec. Comds. their areas from position which afterwards became pl. ~~Comd.~~ *17-Q*
- 1712 One man digging a latrine, one digging a refuse pit about 30 yards from nearest bunk. They recce. for position down-wind but owing to coral formation had to go out into kunai.
Three men were despatched to recce. for water and bring back supply.
One man busy putting up signs.
Pl. Comd. busy working out his position.
- 1720 Pl. Comd. despatched message to school giving position of the bivouac.
- 1740 Mess served. Each Section made their own tea. Bread was cut up and placed with rest of food in a central position. Only margarine, cheese and jam opened. Men grouped and opened tins as they wanted them. Several tins were saved that would have been wasted had the usual amount been opened.
- 1900 Cup of tea.
- 1910 Mail arrived from School.

4 Feb.

- 0635 Reveille.
- 0710 Moved off for school. A little time was wasted in the packing up as one or two men were slow in packing up kit.
Pits were filled in and signs pulled down. All tins were burnt out in the ashes of the fire the previous night.

General.

The bivouac area was situated about 200 yards off the main track GUSIKA - SCARLET BEACH. It was just in from a kunai track, and the only track into the area was an ill-defined one running from an old pad which runs along the edge of the kunai and jungle.

A recce. was made as soon as the sections were sited to find out if there were any tracks or other approaches to the area. There were no tracks and the only approach was up a slight re-entrant which was overgrown with thick scrub.

No.1 Section was placed astride the track leading in from the kunai, No.2 Section was placed to the West, and Pl. H.A. Centrally to the South.

Altogether the bivouac was well carried out.

*A. W. Longhurst.
R/W.R. 5.*

+2 Periods.

'A'	✓	6. ✓
'Q' incl 'O' & Sal.	✓	5 6 6. ✓
Med.	✓	3. ✓
Sig.	✓	1 2. ✓
"1"	✓	✓ 4 3. ✓
<u>M.T.</u>	✓	✓ 1. ✓

Man Management.	✓	2 1 ✓
Orders.	✓	1 3 2. ✓
Disc formations	✓	3 2 4. ✓
Gos. & Riquels.	✓	3 2. ✓
Rosters	✓	1 ✓
Methods of listie.	✓	3 2 ✓
Saluting.	✓	1 2 ✓
Weapon care & cleaning	✓	2 ✓
R.O.'s & promulgation	✓	1 ✓
C.O. <u>work</u> , <u>parade</u> (<u>Not fatigue</u>)	✓	2 ✓
Spare.	✓	2. ✓

RIGHT & WRONG.

Span & close	2	(17)
Spare.	2.	

2/2 Aust M G Bn.
In the Field.
20 Jan 44

LECTURE - BIVOUAC AREAS

1. Selection of Bivouac Areas and layout is governed by tactical and Anti-Aircraft considerations.
2. Sites should be on dry ground and on grass if possible, with easy access to good water supply. If A.A. precautions necessary, plenty of good overhead cover with room for necessary dispersion.

Avoid steep slopes, river beds, newly trenched soil, old enemy camping sites (particularly Jap), obvious malarial breeding grounds (coconut plantations with stacks of rotting nuts, obvious breeding grounds for mosquitoes), areas near swamps, areas within a mile of native villages or camps, areas vacated by our troops if they appear dirty (which is always far too common unfortunately).

Select areas with easy access and easy exit -- Areas should be at least 25 yds off used roads or tracks, particularly where dust is prevalent. In semi-op areas do not select sites on beaches or at river mouths where supply services would operate.

3. Always plan your area A well planned area is the sign of an efficient unit or sub-unit. It should be part of your drill.
4. SET DRILL FOR MOVING INTO AN AREA A set drill for moving into a bivouac area, and out, known to all personnel in a pl. or Coy is essential. It saves time and lives!

In working out your drill, here are some points you have to consider. Naturally, action taken depends whether the area is to be occupied for one day, three days, or a week or more.

- (a) Latrines-urinals, what type will be constructed, how many, where and when.
- (b) Communication. When should these be established, what type and by whom?
- (c) Track Discipline. A track plan should always be organised immediately on, or before, moving into an area.
- (d) Positionings of Secs.etc. Allocation of areas.
- (e) Cutting down trees, timber, etc. Is this to be permitted in the area, or not nearer than certain limits?
- (f) Types of shelters: Are men to sleep off the ground?
- (g) Water Drill. If you are in an area by yourself are you going to take any action to mark your water point, such as "No washing above this point, DRINKING WATER ONLY"?

(h)

- (h) Kitchens, Hygiene. What type of kitchen is to be constructed? How can you make food flyproof with facilities offering? How is refuse to be disposed of?
- (i) Signs. These are signs you should have:-
 (1) Plat. Tac. Sign, where should it be erected?
 (2) Latrine, Urinal, do
 (3) Water point Notice (This can be improvised where necessary to use.)
 (4) SALVAGE
 (5) Wet & Dry Refuse.
- (j) Anti-Malaria Precautions. Is it necessary to fill in any existing holes, remove any rotting coconuts, in which mosquitoes might breed? Should area be sprayed, if so when?
- (k) In moving into area What information should be passed on to all tps when and how?
- (l) Responsibilities of NCOs and men.
 (1) Hygiene man - What are his duties in regard to above and what instructions do you give him?
 (2) Anti-Malaria Expert. What are his duties?
 (3) Signs. Where are they carried and who is responsible for their erection?
- (m) Salvage. What steps are to be taken regarding salvage?

WHAT IS YOUR DRILL? (Discussion by syndicates, drill evolved)

5. Moving out of a Bivouac Area. Once again it is essential to have a drill worked out for moving out of a Bivouac Area. To be a Pl Comdr having only to give the order "we will move out of this area at 0800 hrs" and know all ~~the~~ necessary steps are taken, is the standard to be attained.

Here are some points to consider in deciding on your drill:-

- (a) Shelters. Disposal?
 (b) Salvage What steps are taken re collection and disposal?
 (c) Cleaning up of whole area, papers, tins, etc.
 (d) Surplus Rations. Are there any surplus rations? If so, how are they to be disposed of if they cannot be carried?
 (e) Shell Slits, Holes Are these to be filled in?
 (f) LATRINES. Urinals, Refuse pits filling in and MARKING (FOUL GROUND)
 (g) SIGNS. Collection of same, whose responsibility?
 (h) Responsibilities. What personnel are responsible for these jobs?
6. Here are some very common faults which every one of us have come up against.

How many times have you marched into an area vacated by our tps and found

- (a) Latrines, Urinals, Refuse pits left open, particularly box latrines?

(3)

- (b) Latrines filled in but ground NOT marked?
 - (c) Papers and filth lying about, empty tins with swarms of flies?
 - (d) Piles of salvageable articles, clothing etc "diced" and strewn throughout area?
 - (e) Empty tins etc thrown outside area?
7. Always put yourself in the position of tps moving into your area after you vacate it- Leave it as you would like it left by tps before you!

W. Hamilton Capt.

Note. Tactical Pioneer Areas not dealt with in this lecture. Subject of further period.

CARE OF CLOTHING & ISSUES.

1. Care of Clothing and Issues rests primarily on the individual.
2. It is the duty of all ranks to put into practice all possible care as can be reasonably expected of them dependant on circumstances in which they are placed.
3. In standing camps care can be practised more easily than in forward areas. The unit can provide better facilities, as follows -

Tailor
Equipment Repairer
Boot Repairer
Armourer
Carpenters

4. Owing to transport difficulties some tradesmen's kits are not carried in forward areas and therefore the full range of facilities are not available, but by salvage means prevention of waste can be overcome to a great extent.
5. Every man has an issue of a housewife, or should have one, to effect small repairs to his clothing. Do not throw away garments just because a couple of buttons are missing.
6. The monetary consideration also enters into this subject. Carelessness costs money, money means taxes. You will be required to pay for this after the war.
7. Carelessness means more goods are required for replacement. More goods means shipping space, increase in shipping and more lives endangered. Ships make good targets.
8. In conclusion, care of clothing and issues prevents unnecessary waste, saves money, lives, ships and transport, and assists the war effort to a great extent.

"Q" & ORDNANCE ORGANISATION.

1. The organisations of Army, Corps and Divisional H.Q. are similar inasmuch that in each formation there is a "Q" Branch.
 2. The "Q" is responsible to make available the necessary supplies and ordnance stores in the fighting areas as well as base areas.
 3. The administration is passed down through Corps to the Services, which handle Clothing and Equipment, Arms, M.T. Vehicles, Ammunition, Rations, Petrol, Anti-malarial supplies, and to some extent Transport.
 4. a. Clothing, Equipment, Arms and M.T. vehicles are handled by Ordnance
b. Ammunition, Rations, Petrol, Anti-malarial supplies and Transport are handled by A.S.C.
 5. Reference para.4a, the organisations handling these stores are
 - B. O.D. Base Ordnance Depots
 - A.O.D. Advance " "
 - F. O.D. Forward " "
 - Beach Ordnance Detachments.
 - A.D.O.S. Dumps (Divisional) for issue to Units.
 6. Reference para.4b, the organisations handling these stores are
 - A.S.C. controls -
 - Ammunition, from which A.P.'s (ammn.points) are formed.
 - Rations & Anti-malarial Stores. F.S.D.'s are formed from which D.I.D.'s (Details Indent Depots) are made in forward areas.
 - Petrol. Stored in F.S.D. (Forward Supply Depot) from which P.P.'s (Petrol Points) are formed in forward areas.
 - Transport. Obtainable through Gen. Tpt.Coy. of A.S.C. when normal transport cannot cope with unit requirements.
 7. The normal procedure for indents for ordnance supplies is passed through Q.M.of unit to A.D.O.S. Div. for authority and when authorised placed by Div. with an Ord. Depot as listed in para.5. The type of Ord. Depot being dependant on how far forward the Div. is operating. The unit is then advised when stores are available and picked up either direct or through A.D.O.S. Dump. Distribution is then made by Q.M. to the Coys in the unit.
 8. The procedure for obtaining A.S.C. supplies is direct to the nearest Ammn., Ration and Petrol Dumps or Points. Transport is requisitioned through A.S.C. HQ.
 9. Medical supplies are obtained by the R.M.O. direct and not through Q.M. of the unit. The A.D.M.S. (Asst. Dir. of Medical Supplies) directs the R.M.O. to draw supplies, approved by him, from the nearest available source, e.g. M.D.S., C.C.S., etc.
-

RESULTS OF NO 2 NCOs SCHOOL

<u>Place</u>	<u>No</u>	<u>Name</u>	<u>Coy</u>
1st	QX 8727	Cpl WHITE, K.E.	D Coy
2nd	(NX 15849	" ALLENDEN, R.G.	A Coy
	(NX 57091	" PARKHILL, J.W.	B Coy
4th	QX 7031	" CHANDLER, M.N.	C Coy
5th	(NX 19008	" SNODGRASS, C.R.	A Coy
	(NX 15840	" JACOB, J.W.	C Coy
7th	QX 10664	L cpl MILLIKEN, L.J.	C Coy
8th	NX 34127	Pte BROOKES, T.A.	B Coy
9th	QX 11158	" MAHONEY, S.J.	B Coy
10th	NX 65161	L cpl MYERS, R.J.	B Coy
11th	QX 1627	Cpl DOOLEY, J.C.	C Coy
12th	NX 25590	Pte CRAWFORD, D.R.	A Coy
13th	QX 1459	Cpl HILL, R.J.	D Coy
14th	NX 50956	Pte KIDD, C.	HQ Coy
15th	QX 5250	Cpl SANDERSON, J.	D Coy
16th	NX 55479	A cpl WATSON, S.H.	B Coy
17th	(NX 27162	Pte CUTCLIFFE, E.V.	A Coy
	(36989 NX	" TOWNSEND, E.J.	D Coy
19th	(NX 65628	Cpl MAITLAND, G.J.	HQ Coy
	NX 23079	Pte CHURCHYARD, J.T.	B Coy
21st	NX 29660	Cpl BROWN, A.E.	B Coy
22nd	NX 57707	Pte STEWART, K.N.	B Coy
23rd	QX 16872	L cpl WILSON, W.C.	A Coy
24th	WX 10767	Pte HAMBLEY, G.S.	C Coy

—oo00oo—

REPORT ON STUDENTS No 2 NCO's School

- NX15849 Cpl. ALLEN DEN R. G.:- *Very* Intelligent N.C.O. Has
A. Coy. good knowledge of all subjects. Control good.
Examination Results 88.7% Place 2nd.
Recommend for ^{F.U.C. Course} further ~~N.C.O.~~ school.
- NX29660 Cpl. BROWN A. E. *Very* but has not done much
B. Coy. of the work before. Requires more training
especially in M.M.G. work. Control fair
Examination results 47.7% Place 21st.
- NX34127 Pte BROOKS T.A. *Very* student has fair
B. Coy. general knowledge. Control fair
Examination results 77.9% Place 8th.
Recommend for F.U.C. Course.
- NX27162 Pte CUTCLIFFE E. V. *Very* been hard worker.
A. Coy. Found difficulty, through inexperience, with
some subjects. With further school would make
good N.C.O. Exam results 56.4% Place 17.
- NX25590 Pte CRAWFORD D. R.:- *Very* hard working student.
A. Coy. Control fair. Has fair general knowledge
of subjects covered. Inclined to be temperamental
Exam results 72.3% Place 12th.
- NX23079 Pte CHURCHYARD J. T.:- Not N.C.O. type. Did not
B. Coy. work hard. Inclined to be untidy.
Exam results 55.4% Place 19th
- QX1627 Cpl. DOOLEY J. C. *Very* hard working student
C. Coy. Control good. Has good general knowledge
Recommend for F. U. C. Course.
Exam results 72.8% Place 11th.
- WX10767 L/Cpl. HAMBLEY G. S. *Very* hard working student.
C. Coy. Has not done much ^{of the} work before.
Requires more training especially in M.M.G.
work. Exam results 32.3% Place 24th.
- QX1459 Cpl. HILL R. J. Has fair knowledge Control fair.
D. Coy. Inclined to be untidy. Lacks enthusiasm.
Exam results 69.2% Place 13th.

NX 15840 A/Cpl. JACOB J.W. Has very good all round
 C. Coy. knowledge. Control good. Inclined
 to lack interest in some subjects.
 Exam results 86.2% Place 5th.

NX 50956 Pte KIDD A.C. Keen hard working student.
 H. G. Coy. Had not done much of the work before
 but was quick to learn. Control fair.
 Exam results 65.6% Place 14th.

NX 65628 ~~NX 26524~~ Rpl. MAITLAND C.J. Keen student good worker
 H. G. Coy. A little slow ^{had not done much of the work before.} in grasping things. Control
 fair Exam results 55.4% Place 19th.

NX 65161 L/Cpl. MYERS R.J. Has fair all round knowledge
 B. Coy. Control ~~only~~ fair. Lacks drive.
 Exam results 74.4% Place 10th.

QX 11158 Pte MAHONEY S.J. A good type. Keen and
 B. Coy. intelligent. Control good. Recommend
 for F. U. C. Course. Would make good N.C.O.
 Exam results ^{75.4%} ~~56.4%~~ Place 9th.

QX 10664 L/Cpl. MILLIKEN W.J. Has good all round knowledge
 C. Coy. Inclined to be self conscious. Control very fair
 Exam results 84.6% Place 7th.

QX 7031 Cpl. CHANDLER M.N. Has good all round
 C. Coy. knowledge. Control good. Inclined to
 be lackadaisical. enthusiasm
 Exam results 87.2% Place 4th.

NX 57091 Cpl. PARKHILL J.W. Keen Intelligent N.C.O. Has
 B. Coy. good knowledge of all subjects. Control good.
 Examination results 88.7% Place 2nd.
 F. U. C. Course.
 recommend for position N.C.O. School.

NX 19008 A/Cpl. SNODGRASS C.R. Has good all round
 H. Coy. knowledge. Control good. Recommend
 for F. U. C. Course.
 Exam results 86.2% Place 5th.

NX 5707 Pte STEWART K. N. Not N.C.O. Type. Did not work hard
B. Coy. Inclined to be untidy.

Exam results 41% Place 22nd.

QX 5250 Cpl. SANDERSON J. Hard worker - keen. Found
D. Coy. difficulty with some subjects. Requires

more training in M.M.C. work

Exam results 64.1% Place 15th.

QX 16905 Lt/Cpl. SCOTT A. M. Evacuated from school 2 Feb 44.

D. Coy. Keen and good worker showed good
progress.

Did not sit for Exam.

NX 36989 Pte TOWNSEND E. J. Tried hard but unable

D. Coy. to absorb knowledge. Inclined to be
a little untidy

Exam results 56.4% Place 17th.

QX 16872 Lt/Cpl. WILSON W. C. Tried very hard throughout

A Coy course. Handicapped by lack of education and
not having done some of the work before.

Exam results 37.4% Place 33.

NX 55479 Lt/Cpl. WATSON S. H. Very quiet - not very

B. Coy. impressive. Had difficulty with some subjects
particularly M.M.C. Control very fair

Exam results 61% Place 16th.

QX 8727 Cpl. WHITE K. E. Was very good all round

D. Coy. knowledge. Control good. Spails himself
by being a little conceited.

Exam results 89.2% Place 1st.

The majority of students worked very well throughout
the school. The M.M.C. subjects covered in
the syllabus were too advanced, the majority
of students not having had any done very
little of it before.

Margaret Hunt 9 FEB 44.

EXAMINATION NO 3 NCOs SCHOOL

1. You are a section ~~hand~~ in an isolated Section post. Routine Orders are sent to you at 1000 hrs on 12 Feb. R.O. No 213 states :- "Return from pls, required by this HQ by 1300 hrs 12 Feb of all personnel who have had experience with Diesel engines. Give No, Rank, name & experience. Nobody in your section has had any experience with them. What would be your subsequent actions? Give reasons.
2. Describe your actions when delivering a message to an officer.
3. Name four (4) types of stores handled by Ordnance.
4. You are chosen as stick orderly of a guard -
 - (a) by whom are you selected?
 - (b) When are you selected?
 - (c) What are your duties?
5. Name four sources from which the unit receives comforts.
6. Your pl cond gives the order "At the halt on the left form platoon" -
 - (a) The marker
 - (b) The remainder of the pl, also draw a diagram.
7. Draw a diagram showing a company in close coln. Show positions of the Coy Comd, Coy 2 i/o, Pl Comds, Pl Sjts, C.S.M. & C.Q.M.S.
8. Correct the attached message.
9. You are ordered to march your section from point A to point B. The grid bearing taken from a map is 96° The magnetic variation is 4 degrees 30 minutes East. What bearing would you set on your compass?
10. Give the names and rank of the following members of the bn :- (a) Padre, (b) Regimental Serjeant-Major, (c) Adjutant, (d) C.S.M. A Coy, (e) Pay Sjt, (f) Bn Armourer.
11. What is the correct procedure for a private soldier to lay a complaint and through what channels would he have to go to be paraded to the Div Comd?
12. What is the correct method of showing "Time of Origin" in a written message?
13. Name the Inf Bn which was cut off at PABU also give Brigade to which it belongs.
14. (a) What sequence would you follow when instructing?
(b) Name three points to be observed when lecturing.
15. Name the Coys of this Bn which operated with the following :-
 - (a) 26 AUST INF BDE at SATELBERG
 - (b) 24 AUST INF BDE at KATIKA
 - (c) 20 AUST INF BDE at FINSCHHAFEN
 - (d) 20 AUST INF BDE at WANDOKAI
 - (e) 4 AUST INF BDE at LAKONA
16. You are situated at SCARLET BEACH and have just returned from patrol. Write the correct heading to the report you would submit.
17. You are in close contact with the enemy -
 - (a) What documents are carried on the person?
 - (b) What information must you give if captured?
18. Name five of the main sources of Intelligence information.
19. What information about the enemy would you expect to find in an Intelligence Summary issued prior to an operation similar to the landing at LAE?
20. Name six main points you would look for on a map which you have just received?

MESSAGE FORM

To: 2/2 Austn M.G.Btn

From: H.Q. Coy AB 132 12 Feb

one Lieut Smith J W has not returned from Finchhafen
 stop two all VEHICLES have been checked four
 not in serviceable condition stop three Sig pltn
 is moving to Gusika map Fortification Point 1/25000
 at 2000 hrs 12 Feb stop ACK

T. Glenn, Lieut. 1220 hrs

E X A M I N A T I O N
R E S U L T S

Nö. 3 N.C.O. School

Subjects :- Adm. Gen. I.

<u>1.</u>	Cadell	95.2	%
<u>2.</u>	Pownceby	93.3	%
<u>3.</u>	Simpson	92.9	%
<u>4.</u>	{ Bolton }	92.4	%
	{ Bannah }		
<u>6.</u>	Brown	90.5	%
<u>7.</u>	Rice	89.5	%
<u>8.</u>	Harding	88.6	%
<u>9.</u>	Birrel	88	%
<u>10.</u>	{ Crommelin }	87.6	%
	{ Howard }		
<u>12.</u>	Löve	86.6	%
<u>13.</u>	Neal	84.8	%
<u>14.</u>	Dowling	84.3	%
<u>15.</u>	Dunn	83.3	%
<u>16.</u>	Morrow	82.9	%
<u>17.</u>	{ Neuhaus }	77.6	%
	{ Newstead }		
<u>18.</u>	{ Hoskins }		
<u>20.</u>	Runge	73.8	%
<u>21.</u>	{ Perry }	73.3	%
	{ Fletcher }		
<u>22.</u>	{ Gillespie }		
<u>24.</u>	Wood	61.9	%
<u>25.</u>	whyte	54.8	%
Average		82.4	%
Average Entrance Exam.		57.9	%

Reports on Students, No.3 N.C.O.'s School, 7 Feb 44 - 16 Feb, 44.
(Syllabus not completed)

Exercises.

NX58826. Pte BROWN, R. L.

<u>Entrance Exam.</u>			<u>Final Exam</u>			<u>Remarks.</u>
Adm.	Good		Adm.	Very Good		Place in Exam, 6th
Gen.	Fair	64%	Gen.	Do Do		
"I"	Fair		"I"	Good		
M.G. R.C.	Nil			90.5%		

Should make good N.C.O. Showed very good progress. Control Fair. Good Intelligent type.

NX25124 Birrell, C. A. D.

Adm.	Fair		Adm.	Very good		Place 9th.
Gen.	Good	78.7%	Gen.	Good		Has good all round
"I"	Fair		"I"	Good		knowledge. Control
M.G.F.C.	Good			88%		good. Keen student.

NX54376, Pte. Dadell, H. M.

Adm.	Fair		Adm.	Very good		Made excellent progress Very Keen. Control only fair. Would make good N.C.O. providing he improves his bearing and dress.
Gen.	Good	73.3%	Gen.	" "		
"I"	Fair		"I"	" "		
M.G.F.C.	Good			95.2%		

NX50771, Pte. Dowling, E. R.

Adm.	Fair		Adm.	Fair		Good type, Good progress Control Fair. Requires more experience.
Gen.	"	52%	Gen.	Good		
"I"	"		"I"	Good		
M.G.F.C.	"			84.3%		

NX30709, Sgt. Pownceby, T. A.

Adm.	Good		Adm.	Very Good		Benefited by course. Would improve considerably if he showed more enthusiasm in his work.
Gen.	Good	72%	Gen.	Good		
"I"	Good		"I"	Very Good.		
M.G.F.C.	Fair			93.3%		

NX25477, Pte. Whyte, G. A.

Adm.	Fair		Adm.	Fair		A trier but made no progress. Not suitable as an N.C.O.
Gen.	Very Fair		Gen.	Very Fair		
"I"	Fair	54.3%	"I"	Very Fair		
M.G.F.C.	Fair			54.8%		

Place 25th.

QX.5706. Sjt. Bolton, G.M.F.

Adm. Good
 Gen. Good 85.3%
 "I" Good
 M.G.F.C. Good

Adm. Very Good
 Gen. Good
 "I" Very Good
 92.4%
 Place 4th.

Very good all round knowledge. Control Good. Should take more care with his own bearing and dress.

QX5274, Pte. Howard, A.

Adm. Fair
 Gen. Good 60%
 "I" Fair
 M.G.F.C. Fair

Adm. Very Good
 Gen. Fair
 "I" Very Good.

Showed good progress. Control fair. Quiet disposition. Should display more enthusiasm.

QX8737, Cpl. Bannah, M.A. B.

Adm. Fair
 Gen. Good
 Int. Good 64%
 M.G.F.C. Fair

Adm. Very Good
 Gen. Good
 "I" Very Good.
 92.4%
 Place 4th.

Keen intelligent student. Showed good progress. Control good.

QX6979, L/Cpl. Hoskins, G. R.

Adm. Fair
 Gen. Fair
 "I" Fair 53.3%
 M.G. F.C. Fair

Adm. Very fair
 Gen. Good
 "I" Fair
 77.1%
 Place 18th.

Made fair progress. Control only fair. Must improve his own bearing.

QX1664, Neal, G. H. Cpl.

Adm. Fair
 Gen. Very Fair
 "I" Fair 48%
 M.G.F.C. Fair

Adm. Very Good
 Gen. Good
 "I" Good
 84.8%
 Place 13th.

Very keen student. Made very ~~keen~~ progress. Further school would improve him considerably.

QX7660, Pte. Dunn, D.

Adm. Good
 Gen. Fair 70.7%
 "I" Fair
 M.G.F.C. Fair

Adm. Fair
 Gen. Fair
 "I" Very good
 83.3%
 Place 15th

Tried very hard. Control fair. Requires more experience.

QX13457, Morrow, H. C.

Adm. Fair
 Gen. Fair 58.7%
 "I" Fair
 M.G.F.C. Fair

Adm. Good
 Gen. Good
 "I" Fair
 82.9%
 Place 16th

Made good progress. Control very fair. Lacks necessary drive to make good N.C.O.

QX17753, Crommelin, A. K.

Adm. Fair
 Gen. Fair 58.7%
 Intel. Fair
 M.G.F.C. Fair

Adm. Very good
 Gen. Very good
 "I" Fair
 87.6%
 Place 10th

Keen. Made good progress. Control fair. Further school would improve him considerably.

NX26324. Love, N. Opl.

Adm. Fair.		Adm. Good	Keen student, Made good progress. Control fair. Further school would improve him considerably.
Gen. Fair	63%	Gen. Very good	
"I" Very fair		"I" Good	
M.G.F.C. Fair		86.6%	
		Place 12th.	

NX29661. Neuhaus, F. J. L/Cpl.

Adm. Fair		Adm. Fair	Exam. results disappointing. Good type, very keen. Contr good. Requires further scho
Gen. Good	66.6%	Gen. Fair	
"I" Fair		"I" Very good	
MG.F.C. Fair		77.6%	
		Place 17th	

NX17304 Pte, Graham, G. P.

Adm. Fair		Did not sit for	Withdrawn from school for tw days to tour with concert pa
Gen. Good		final Exam.	
"I" Fair	66.6%		
M.G.F.C. Fair			

NX.29757. Simpson, A. W. Pte.

Adm. Fair		Adm. Good	Good progress. Good type. Control good. Should make good N.C.O.
Gen. Fair	69%	Gen. Very good	
"I" Good		"I" Very good.	
M.G.F.C. Fair		92.9%	
		Place 3rd.	

QX5234 Pte, Runge, R. A.

Adm. Very fair.		Adm. Fair	Made good progress. Slow in absorbing knowledge Control Fair. Requires more experience.
Gen. Fair		Gen. Fair	
"I" Very fair	40%	"I" Very fair.	
M.G.F.C. Nil.		73.8%	
		Place 20th.	

NX167367, Perry, A. J. Pte.

Adm.)	No previous knowledge. 21%	Adm. Good	Made very good progress. Lacks experience and necessary drive to make a good N.C.O.
Gen.)		Gen. Very fair	
"I")		"I" Good	
M.G.F.C.)		73.3%	
		Place 21st.	

QX3063, Rice, D.V.

Adm. Fair		Adm. Good	Made very good progress. Control fair. A further school would improve him.
Gen. Very Fair		Gen. Very good	
"I" Very Fair		"I" Very good	
M.G. Fair	44 %	89.5 %	
		Place 7th.	

QX1716, Pte Newstead, W. A.

Adm. Very fair		Adm. Very fair	Made very good progress. Lacks experience and necessary drive to make a good N.C.O.
Gen. Very fair		Gen. Fair	
"I" Very fair		"I" Good	
M.G. Fair	37.3%	77.1%	
		Place 18th.	

OX10731. Fletcher, E.

Adm.	Very fair	Adm.	Good	Good progress. Control fair. Requires more experience.
Gen.	Fair	Gen.	Very fair	
"I"	Fair 33.3%	"I"	Fair	
M.G.F.C.	Fair		72.4 Place 22.	

NX58227, Pte. Harding, E. V.

Adm.	Fair	Adm.	Very good	Showed very good progress. Control fair. Good intelligent type. Should make good N.C.O.
Gen.	Fair	Gen.	Very good	
"I"	Fair	"I"	Good	
M.G.	Nil.		88.6 % Place 8th.	

NX82107, Pte. Gillespie, G.

Adm.	Fair	Adm.	Very fair	Progress fair. Control fair. Lacks experience.
Gen.	Very fair	Gen.	Good	
"I"	Fair	"I"	Fair	
M.G.F.C.	Very Fair. 54.3%		72.4% Place 22nd.	

XX

Examinations held covered simple Admin., General and "I" problems. Gradings as follows:--

90% and over	very good.
80%-90%	good
70%-80%	fair
Under 70%	very fair.

The standard of students sent to the school was in some cases very disappointing. Valuable time had to be spent teaching the men very elementary drill, etc.

Only 2 1/2 days of the M.M.G. syllabus was covered owing to the school being closed down.

[Signature]
17 Feb 44.

Entrance Exam.

Final Exam

Final Exam

NX 8227. Gillespie G.

M.G.

Admin: Fair.

"a" very fair.

PLACE 22ND

General: Very Fair. 54.3%

"g" good 77.4%

Intel. " Fair.

"f" fair

M.G. Very Fair.

NX 27688 Carter F.S.

M.G.

"a"

"g"

"f"

~~Examined~~

M.G.

ENTRANCE EXAM. Final Exam.

Final Exam

Qx 5206 Bolton G.M.F.

M.B. G.

Admin. Good "A" Very good
 General. Good "G" good
 Int. (95-3) Good "F" Very good
 M.B. G. Good

PLACE 4th

92.4%

Qx 5274 Howard A.

Admin. Fair "A" Very good
 General. Good "G" good fair
 Int. Fair (60%) "F" Very good
 M.B. G. Fair

M.B. G. PLACE 10th

87.6%

Qx 8737 Bannan G.M.F.

PLACE 4th.

Admin. Fair "A" Very good
 General. Good "G" good
 Int. Good (64%) "F" Very good
 M.B. G. Fair

M.B. G.

92.4%

Qx 6979 Hoskins G.R. C

PLACE 18th

Admin. Fair "A" Very fair
 General. Fair (53.3%) "G" good
 Int. Fair "F" fair
 M.B. G. Fair

M.B. G.

77.1%

Qx 1664 Deal G.R.

PLACE 13th

Admin. Fair "A" Very good
 General. Very Fair "G" good
 Int. Fair (48%) "F" good
 M.B. G. Fair

M.B. G.

84.8%

Qx 7660 Turner G.

PLACE 15th.

Admin. Good "A" fair
 General. Fair (70%) "G" fair
 Int. Fair "F" Very good
 M.B. G. Fair

M.B. G.

83.3%

Entrance Exam	Final Exam	Final Exam
NX 58826. Brown R.L.		M. Gen
Admin. Good. 64%	"A" Very good	PLACE 6th
General. Fair.	"L" Very good 90.5%	
Intel. Fair.	"F" good	
M.G. Nil.		
NX. 25124 Binell C.A.S.		M. Gen
Admin. Fair.	"A" Very good	PLACE 9th
General. Good. 78.7%	"L" good 88%	
Intel. Fair.	"F" very good	
M.G.C. Good.		
NX. 54376 Cadell H. M.		M. Gen
Admin. Fair.	"A" Very good	PLACE 1ST
General. Good. 73.3%	"L" Very good 95.2%	
Intel. Fair.	"F" Very good.	
M.G. Good.		
NX 50771 Sawling E. R.		M. Gen.
Admin. Fair.	"A" Fair	PLACE 8th 14.
General. Fair. 52%	"L" good 84.3%	
Intel. Fair.	"F" good.	
M.G. Fair.		
N.X. 30789. Powersley T.A.		M. Gen.
Admin. Good.	"A" Very good	PLACE 2ND
General. Good. 72%	"L" good 93.3%	
Intel. Good.	"F" Very good.	
M.G. Fair.		
N.X. 25497 Whyte G.A.		M. Gen
Admin. Fair.	"A" fair	PLACE 25th
General. Very Fair. 54.3%	"L" Very fair 54.8%	
Intel. Fair.	"F" Very fair.	
M.G. Fair.		

Entrance Exam.	Final Exam.	Final Exam
QX. 13257 Abner. H. C.		M. G.
Admin. Fair.	"A" good	PLACE 16th.
General. Fair. 58.7%	"G" good	82.9%
Intel. Fair.	"F" fair	
M. G. Fair.		
QX 17753 Crommiller A. K.		M. G.
Admin. Fair	"A" Very good	PLACE 10th.
General. Fair. 58.7%	"G" Very good.	87.6%
Intel. Fair.	"F" fair	
M. G. Fair.		
NX. 26324 Lane. N.		M. G.
Admin. Fair.	"A" good	PLACE 12th.
General. Fair. 63%	"G" very good	86.6%
Intel. Very Fair	"F" good.	
M. G. Fair.		
NX. 29661 Benham. F. J.		M. G.
Admin. Fair.	"A" fair	PLACE 17th
General. Good. 66.6%	"G" fair.	77.6%
Intel. Fair.	"F" Very good	
M. G. Fair.		
N. X. Graham G. P.		M. G.
Admin. Fair.	"A" /	NOT PLACED.
General. Good 66.6%	"G" /	-
Intel. Fair	"F" /	
M. G. Fair.		
NX. 29757 Simpson. A. S.		M. G.
Admin. Fair.	"A" good	PLACE 3rd.
General. Fair. 69%	"G" very good. 92.9%	
Intel. Good.	"F" Very good	
M. G. Fair.		

Entrance Exam.	Final Exam.	Final Exam.
NX 2995 ¹⁶⁷³⁰⁷ Perry A.J. Admin. } Education General } no Prisons Intel. } Knowledge M.G. 21%	"A" good "G" very fair 73.3% "F" good	M.G. PLACE 21st.
QX 5234 Ruge A.A. Admin. Very Fair General Fair 40% Intel. Very Fair M.G. Nil.	"A" Fair "G" fair 73.8% "F" very fair	M.G. PLACE 20th.
QX 3063 Rice L.V. Admin. Fair General Very Fair 44% Intel. Very Fair M.G. Fair	"A" good "G" very good 89.5% "F" very good	M.G. PLACE 7th.
QX 1716 Newstead W.A. Admin. Very Fair General Very Fair 37.3% Intel. Very Fair 10% M.G. Fair	"A" very fair "G" fair 77.1% "F" good	M.G. PLACE 18th.
QX 10731 Fletcher E. Admin. Very Fair General " Fair 33.3% Intel. " Fair M.G. " Fair	"A" good "G" very fair 72.4 "F" fair	M.G. PLACE 22.
NX 58227 Harding C.W. Admin. Fair General Fair 61.4% Intel. Fair M.G. Nil.	"A" very good "G" very good 88.6% "F" good	M.G. PLACE 8th.

Entrance Exam.	Final Exam.	Final Exam
QX. 1357 Aboumar. H. C.		M. G.
Admin. Fair.	"A" good	PLACE 16th.
General. Fair. 58.7%	"G" good	82.9%
Intel. Fair.	"G" fair	
M. G. Fair.		
QX 17753 Crommiller A.K.		M. G.
Admin. Fair	"A" Very good	PLACE 10th.
General. Fair. 58.7%	"G" Very good.	87.6%
Intel. Fair.	"G" fair	
M. G. Fair.		
NX. 26324 Lane. N.		M. G.
Admin. Fair.	"A" good	PLACE 12th.
General. Fair. 63%	"G" very good	86.6%
Intel. Very Fair	"G" good.	
M. G. Fair.		
NX. 29661 Benham. F. J.		M. G.
Admin. Fair.	"A" fair	PLACE 17th
General. Good. 66.6%	"G" fair.	77.6%
Intel. Fair.	"G" Very good	
M. G. Fair.		
N. X. Graham G. P.		M. G.
Admin. Fair.	"A" /	NOT PLACED.
General. Good 66.6%	"G" /	-
Intel. Fair	"G" /	
M. G. Fair.		
NX. 29757 Simpson. A. W.		M. G.
Admin. Fair.	"A" good	PLACE 3rd.
General. Fair. 69%	"G" very good.	92.9%
Intel. Good.	"G" Very good	
M. G. Fair.		

10. Do you always have faults corrected immediately or do you just leave them till tomorrow?
11. Do you consider yourself just a highly paid Pte who passes on orders then whose job is finished?
12. Do you, at any time, know the exact state of clothing and equipment of every man in your section?
13. Do you know the state of every item of MG stores in your section?
14. Do you know medical details of each man - state of his feet, length of his hair?
15. Do you study the personnel hygiene of your section?
16. Do you stamp out all "winging" immediately?
17. Do you know that in action rumours circulated by one nervous individual can cause an un-controllable panic unless immediately stamped out by you?
18. Do you instil into your men the need for close team-work & pride of unit, loyalty?
19. In fact if you are a good NCO you have to constantly nurse & mother all your men, i.e. within reason, always being firm, yet fair.
20. You should always be an example to your men - smart, energetic soldierly, and efficient - slovenly, tired & untidy NCOs **NEVER** have efficient sections.

--oo00oo--

DAY 6 - SATURDAY

- Period
- 1 } 30s Range - Horizontal ang Sights
 - 2 } and Fire Control
 - 3 } 30s Range - Zone 5 Additional Strip
 - 4 } " Zone 6 Points B.D. & A Firing
 - 5 } " Zone 7 Reduction
 - 6 }
 - 7 } Throwing Mine Exercises

DAY 7 - SUNDAY

- Period
- 1 } 30s Range - Zone 8 Z.A.
 - 2 } 2" mortar - Zone 1 & 2 Intro.
 - 3 } 30s Range - Zone 9 Stoppages
 - 4 } 2" mortar - Zone 3, Loading, Make G. Firing
 - 5 } 30s Range - 10 U o of Cover
 - 6 } 2" mortar - Zone 3 Practice
 - 7 } 30s Range - 11 Handling (Aimed)

DAY 8 - MONDAY

- Period
- 1 } 30s Range - Iron
 - 2 }
 - 3 } S.O.B.D.
 - 4 } 2" mortar - Zone 4 Handling
 - 5 } Iron Handling Exercises
 - 6 } 30s Range - 12 & 13 Handling (Aimed)
 - 7 } Loading - 2nd Mine, (D. & Range)

DAY 9 - TUESDAY

- Period
- 1 } 30s Range - 14 - 2nd Mine
 - 2 } 2in mortar - Description & Cleaning
 - 3 } 2in mortar - S.O.B.D.
 - 4 } 2in mortar - A.M.W.D.
 - 5 } S.O.B.D. - 2in go to Mount A Mount
 - 6 } Loading for Direction
 - 7 } Loading for Elevation

DAY 10 - WEDNESDAY

- Period
- 1 } S.O.B.D. - To stand on uneven ground
 - 2 } Loading for Direction & Elevation
 - 3 } S.O.B.D. - To lay
 - 4 } S.O.B.D. - Action & Cover Firing
 - 5 } Loading - Fire Control
 - 6 } S.O.B.D. - Firing
 - 7 } S.O.B.D. - Action on Mine

DAY 11 - THURSDAY

- Period
- 1 } S.O.B.D. - To lay on posts
 - 2 } Fire Control - Voice Control
 - 3 } S.O.B.D. - Auxiliary firing Unit
 - 4 } Loading - Ammunition & Field Notes
 - 5 } Fire Control - Delayed Control
 - 6 } S.O.B.D. - Field Conventions.
 - 7 } S.O.B.D.

DAY 12 - FRIDAY

OVERVIEW

- Fire Control and Field Firing
- 2in mortar
- 3in mortar
- 2in Gun

Sitsteps.

1/ Where and when used.

(a) Sub-units to make sitsteps at times as laid down by bands.

(b) Compiled from all sources of Int,

2/ Sequence - Land ops, Sea, Air.

Int Reports.

Extracts from sitsteps of all theatres of ops, includes any additional info available.

Issued by formations lower than Div.

Summaries.

Issued by higher formations - Div, Corps, Army.

(a) Prior to ops. Must be full and complete

Part I/ (1) Estimated Enemy Strength.

Enemy. 2/ Enemy intentions

3/ Defences. - Fire power.

4/ Defences at area of proposed ops.

5/ Possibility of reinf after commencement of ops. with locations and estimated strengths in nearby areas. Routes and times. All methods considered and deductions made.

6/ Supply.

Part II/ 7/ Terrain - Ground, vegetation, streams, tracks.

Topographical. 8/ Meteorological. Tides, weather. Seas.

9/ Water supply

10/ Mines.

(b) During ops

(i) Daily by corps, incorporating all theatres

(ii) Periodically by Div.

W Bennett Lieut.

9. Punctuation :

10. Ack.

11. Signature :

Use of the right space on the signal form for messages which "must be sent in cipher if liable to interception or to fall into enemy hands" and also for messages which are to be treated as "SECRET PAPERS" by the recipient.

12. Originators wishes :

13. Degree of Priority:

14. Time of Origin

F. A. Varley Capt
(F. A. Varley)
Adjt 2/2 1st MG Bn.

MESSAGE WRITINGGENERAL

- (1) Only message forms printed in black will be used for originating messages. Message forms printed in red are for use by signals when receiving a message. Thus "out" and "in" messages may be distinguished by the colour of their printing.
- (ii) Use only authorised abbreviations.
- (iii) Save every word possible NO NOT IN VERBOSS.
- (iv) Study carefully previous instructions issued on the use of "all informed"

2. ADDRESS TO :

- (1) Use abbreviations "Address to" now occupies 20% of signals transmitted
- (ii) If a message is intended for G, A, or Q it will be addressed simply by the abbreviated name of the formation or unit e.g. 2/2 Aust Inf Bn, 2d Aust Inf Bde 9 Aust Div, 2 Aust Corps, First Aust Army.
- (iii) If it is intended for a subordinate commander or service it will contain an abbreviated reference to the arm or service, e.g., Sigs 9 Aust Div, Pro 9 Aust Div, HQ 2 Aust Corps, Gnd First Aust Army.

3. ADDRESS FROM :

It is generally not necessary to employ the provision of para 2. (iii) above to ~~add~~ the address FROM since the originators number will give a clue as to which branch of the staff or attached arm or service originated the message.

4. LOCATIONS :

In both address TO and address FROM, LOCATIONS will NOT be given except in the following instances :-

- (i) Where it might reasonably be expected that Signals do not know the location of the addressee. Instances are rare, and in any case Sigs can always enquire from the originator.
- (ii) Where an installation such as Ordnance Depot is split between two or more towns. The originator would then be required to give the location of the portion of the Depot or Unit to which the message is to be delivered.
- (iii) It is essential to give the location when this is an integral part of the telegraphic address registered with P.M.G. Department, e.g., "Milbase Melbourne", "District Warwick", "Investigate Sydney" etc.

5. ORIGINATORS NUMBER :

The object of the originators number is to give the message a distinguishing reference together with the address from. It is NOT used to identify a unit or formation but a prefix is added to identify a branch of the staff or subordinate commander or service. Hence all signal units use "Sigs" all engineers use "EN", all artillery units use "RA" etc. Oblique strokes will NOT be used.

6. DATE :

The date of the month only will be given. Indications of the month, such as 31/3 or 31 Mar will NOT be used in the date space.

7. IN REPLY TO NUMBER :

Use this space for both replies to messages and to letters or memos, but observe the following :-

- (i) If in reply to a message quote the originators number only. NO reference will be made to the date since there is only one message with that number.
- (ii) If in reply to a memo. or letter quote a reference number in the "In reply to number" space, and begin the text with an indication of the date, e.g.

of 6 Feb (.)

This is necessary, since the number is a file number and many memos, may bear that number.

8. TEXT :

1. Be careful in referring to a particular person, as the desired recipient, e.g. "For Maj BLACK". The Text will indicate which appointment at the address is to deal with the matter, and the person so named may not be there for all the originator knows.

2. Following written in one space :-

- (a) a word, letter or figure
- (b) An abbreviated word
- (c) Combination of letters or figures meaning one thing
- (d) After group (up to five letters or figures)
- (e) The sign indicating the full stop.

3. Roman numerals and mathematical signs (e.g. those for yards, feet, inches, degrees, percentages, plus or minus) cannot be telegraphed and must be replaced by words or recognised abbreviations.

REVISIONS TO STANDBY ORDER NO. 100

1. Power of G.O. can deal with in AR & O and 100.
 - (a) To ~~may~~ deal ~~strictly~~ with any offences against AA, BA or regulations under BA,AR & O 101.
 - (b) Limitations as to what offence G.O. shall deal with AR & O 109
 - (c) Definition of G.O. for disciplinary purposes -- AR & O 103.
Including Detachment Goals. Limited if under Field Art. AR & O 122.
 - (d) Classification of offences:
Major : may investigate and punish. For penalties see AR & O 148, AA 16.
Minor : may investigate and punish as prescribed, penalties AR & O 123, 125
 Leave and acting work may be dealt with by the G.O.
W.O. may investigate, dismiss or refer to higher authority, but not punish.
 AR & O 123, AA 18.
 Acting W.O. is in similar position -- JAG circular 6 para 14.
Adjutant may investigate and dismiss or refer to higher authority but not punishAR & O
 (e) Application for Court Martial.
2. Reporting of Charges AR & O 317-3, 317, 318
 - (a) A statement in writing by person making charge should disclose all particulars of offence - two portions in charge - offensive and particulars.
 - (b) When soldier convicted should hand charge report to Guard Book within 24 hrs.
 - (c) Sent to G.O. of accused before the hour fixed for disposal of charges.
 - (d) G.O. may send Charge Report if necessary.
3. Conduct of Inquiry Board
 - (a) G.O. duty to investigate charges promptly,AR & O 355, but for circumstances should wait till accused is soberAR & O 359.
 - (b) Preliminary investigation by G.O., who attends custody room with conduct sheet AR & O 372.
 - (c) Mode of Hearing AR & O 401, 10 5.
 - (d) Minor and summary punishments - one sentence AR & O 409.
 - (e) Election for Court Martial where summary punishment or forfeiture involved accused should be asked again next day if he still wants G.M.AR & O 403 (b)
 - (f) Special considerations on certain offences - circumstances AR & O 144, -4, 141,AR & O 427.
 - (g) Sentencing of G.O.AR & O 421
 - (h) May inflict only punishments authorized AR & O 421.
 - (i) May not increase punishment awardedAR & O 422.
4. Disposal of Accused
 - (a) Warrants to be made out when accused is committed, for forms see appendix to AR & O
 - (b) Sentences run from date of arrest.
 - (c) Fine complete when deducted from pay or paidAR & O 430.
 - (d) G.O. has power to remit whole or part of uncompleted punishment.
5. Report - Summary Report
 - (a) Necessity and use - to inform higher authority of what is happening - check for legality - and for purpose of records and finance.
 - (b) How various columns should be filled in.
 - (c) For method of completing summary report see AR & O 430 and also see 406-7.

Capt
(P.C. Verity)
1419 2/2 Aug 1943

DI DISCIPLINE : CHARGES DEALT WITH BY C.O.

1. Powers of C.O. are dealt with in AMR & O and MML
 - (a) He may deal summarily with any offences against AA, DA or regulations under DAAMR & O 408.
 - (b) Limitations as to what offences CO shall deal with AMR & O 409.
 - (c) Definition of C.O. for disciplinary purposes AMR & O 389 includes Detachment Comds. Limited if under Field Rank. AMR & O 422
 - (d) Classes of offenders :
 - Soldiers : may investigate and punish. For penalties see AMR & O 418, AA 46
 - N.C.Os : may investigate and punish as prescribed, penalties AMR & O 423, 425, Lance and acting rank may be dealt with by the C.O.
 - W.Os : may investigate, dismiss or refer to higher authority, but not punishAMR & O 425, AA 182.
 - Officers: may investigate and dismiss or refer to higher authority but not punishRP 8
 - (e) Application for Court Martial
2. Preparation of Charge ReportsAMR & O 357-8, 397, 403
 - (a) A statement in writing by person making charge should disclose all particulars of offence - two portions in charge - offence and particulars.
 - (b) When soldier arrested should hand charge report to Guard Comd within 24 hrs.
 - (c) Sent to C.O. of accused before the hour fixed for disposal of charges.
 - (d) C.O. may amend Charge Report if necessary.
3. Conduct of Orderly Rooms
 - (a) COs duty to investigate charges promptlyRP 2, AMR & O 395, but for drunkenness should wait till accused is soberAMR & O 369.
 - (b) Preliminary investigation by Comd, who attends orderly room with conduct sheetAMR & O 372.
 - (c) Mode of hearingAMR & O 401, RP 3.
 - (d) Minor and summary punishment - one sentence AMR & O 409.
 - (e) Election for Court Martial where summary punishment or forfeiture involved. Accused should be asked again next day if he still wants CMAMR & O 403 (8)
 - (f) Special considerations on certain offences - drunkenness AMR & O 441-4, AWLAMR & O 427.
 - (g) Wording of Award.
 - (h) May inflict only punishments authorised AMR & O 426.
 - (i) May not increase punishment authorisedAMR & O 412.
4. Disposal of Sentences
 - (a) Warrants to be made out when accused is committed. For forms see appendix to AMR & O
 - (b) Sentences run from date of award.
 - (c) Fine complete when deducted from pay or paidAMR & O 430.
 - (d) CO has power to remit whole or part of uncompleted punishment.
5. B 2069 - OFFENCE REPORT
 - (a) Necessity and use - to inform higher authority of what is happening -check for legality - and for purposes of records and finance,
 - (b) How various columns should be filled in.
 - (c) For methods of computing automatic forfeitures see AMR & O 490., and see also 486 -7.

F.A. Varley Capt
 (F.A. Varley)
Adjt 2/2 Aust MG Bn.

9

NOTED	
CO.	
Z/c	
Adt.	<i>Jaw</i>
Q.M.	
M.O.	
I.O.	
T.O.	
A.S.M.	

PERIOD.	DAY 7	DAY 8	DAY 9	DAY 10	DAY 11	DAY 12.
0845 - 0900		Daily		Parade.		
0900 - 0945	DISCUSSION Censorship. _B	PRACTICAL Codes + Cyphers. _B	DISCUSSION Duties of int. Sec. in Action _B	PRACTICAL Fire Plans. _P		
0950 - 1035	PRACTICAL Reports. _O	RESERVED	DISCUSSION Security. _O	DISCUSSION Weapons in Military Div. _B Writing.		
1045 - 1130.	DISCUSSION Codes + Cyphers _O	PRACTICAL Appreciations. _B	PRACTICAL Photo Interpretation. _*	DISCUSSION Int in Div. _B		
1135 - 1205	RESERVED.	DISCUSSION Jap Army. _O		DISCUSSION Jap Tactics. _*		
1330 - 1415	DISCUSSION Appreciations. _B	PRACTICAL	DISCUSSION Op Orders _B			
1420 - 1505	PRACTICAL Photomaps. _w	Field	PRACTICAL Op Orders _B	Questionnaire		Questionnaire
1515 - 1600	DISCUSSION Sitreps + P Summaries	Traverse	DISCUSSION Enemy O.O.B. _B	Questionnaire		Questionnaire

Field

Field

Field

Field

Field

O.K. *Puro.*
 CO. _____
 21/c _____
 Adj. *Far*
 Q.M. _____
 M.O. _____
 I.O. _____
 T.O. _____
 R.S. _____

PERIOD	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
0845 - 0900.		Daily	Canada			
0900 - 0945	RESERVED	Discussion Scale.	DISCUSSION. Description Object of Int.	DISCUSSION Enlargements.	DISCUSSION Fd sketching Traversing.	
0950 - 1035	Discussion. Security.	Discussion Information.	PRACTICAL Abbreviations. Intervisibility.	PRACTICAL Enlargement.	RESERVED	Field
1045 - 1130.	Discussion. Messages.	Practical. Use of instruments & compass.	DISCUSSION. Censorship.	PRACTICAL Enlargement	DISCUSSION. Reports.	Sketch
1135 - 1205	Discussion. Practical. Use of instruments & compass. Messages.	Discussion Making of Reports.	PRACTICAL Message writing.	PRACTICAL Enlargement.	PRACTICAL Aircraft Recognition.	
1330 - 1415	Discussion. Maps General.	Practical. Scale.	DISCUSSION Conventional Signs	DISCUSSION. Organisation Job Army.	DISCUSSION Int.	
1420 - 1505	Practical. Magnetic Variations.	Discussion Resection.	RESERVED	PRACTICAL Intervisibility	DISCUSSION Own Organisation.	
1515 - 1600.	Discussion Contours.	Practical. Map Reading.	DISCUSSION Information.	RESERVED	DISCUSSION. Inf Int Sec.	

7 Feb 44

INTELLIGENCE COURSE NO. 1 - 24 Jan to 6 Feb 44REPORT ON STUDENTS.

CO	
2IC	
1st	
Q.M.	
M.O.	
I.O.	

1. GENERAL All students showed keen interest and were most cooperative throughout the Course. The syllabus was covered in full and very noticeable improvement was made by all in General Intelligence, and particularly Field Sketching and Traversing.

For a course of this nature, two weeks is considered insufficient time to completely cover all phases of Intelligence, and it is suggested that those personnel who showed particular aptitude should be given another opportunity of attending a similar school in the near future, at which all facilities and more time were available.

2. INDIVIDUAL REPORTS.

- QX 10579 Sjt. GOLDSMITH D.H. - Very good general knowledge, conscientious, efficient and quick. Practical work good. Highest marks in the examination 87½%
- NX 30707 Cpl. WILSON J.D. - Most attentive student at the school. Work throughout of a high standard. Needs a little more experience. Exam marks 86%
- NX 55478 Cpl. BATTERHAM E.V. - Has sound knowledge - very careful of detail, worked well and made considerable progress. Exam marks 85%
- NX 17709 Cpl. STUMBLES C.S. - Has considerable knowledge and experience, but does not take full advantage of these qualifications. Exam marks 84%
- QX 9413 pte RINALDI J. - careful neat and efficient. With more experience could be used to advantage on Intelligence work. Exam marks 78%
- NX 20382 Sgt. TRESSIDER R. - worked well, quick. Inclined to be careless of detail. Good general knowledge. Exam marks 77%
- QX 8737 Cpl. BANNAH M.A.B. - Seems specially adapted to "I" work. Sound general knowledge, quick, excellent at sketches. Wrote disappointing exam paper. Needs more experience. Exam marks 71%
- QX 8794 Cpl. COLLINS W.J. - Very interested, worked well and shows considerable promise. Needs experience. Exam marks 70%
- NX 31566 L/Cpl HANDSAKER E.A. - Very fair knowledge, careful and conscientious. A little slow to get started. Needs experience. Exam marks 68%
- QX 18578 pte BRINKLEY A.G.E. - practical work good. Very keen, fair knowledge, but wrote disappointing paper. Exam marks 58%
- NX 40904 pte WILSON W.D. - Hardest trier in the school. Very keen, and made considerable progress. Hardly suitable but well worth encouraging. Exam marks 56%
- QX 6979 L/Cpl HOSKINS G.R. - Keen, hard trier. Rather slow, practical work very fair. Disappointing paper. Exam marks 50%
- QX 17312 pte PRENTIS C.P. - Very keen, works hard. Concentrates too much on unimportant detail. Exam marks 47%
- QX 25158 pte BRIDSON F.M. - Hard trier but most of work went over his head. Exam marks 47%

3. RECOMMENDED FOR FURTHER SCHOOL. (In order of priority.)

- (i) NX 30707 Cpl. WILSON J.D.
- (ii) QX 8737 Cpl. BANNAH M.A.B.
- (iii) QX 9413 pte RINALDI J.
- (iv) QX 8794 Cpl. COLLINS W.J.
- (v) NX 55478 Cpl. BATTERHAM E.V.
- (vi) QX 18578 pte BRINKLEY A.G.E.

W. M. Bennett
Lieut.
(W.M. Bennett)
Intelligence Officer, 2/2 Aust MG Bn.

PROPOSED EXAMINATION QUESTIONS - INTELLIGENCE SCHOOL

16 QUESTIONS TO BE ANSWERED. Q5 MUST BE INCLUDED

1. Name the three basic principles of Intelligence Section work.
2. Construct a Scale, -using any method - two inches to half a mile. Show R.F. 10
3. (a) What is V.I. and H.E. Definitions?
(b) H.E. 100 yds V.I. 50 ft. Express this as a gradient.
4. Name the three Jap Regts contacted in the ELNSCHHAFEN area, showing the Div or Divs to which they belong.
5. (a) Name four types of recce, stating briefly what each covers.
(b) While in command of a semi-isolated body of tps west of WAREO, you are submitting reports on the situation every two hours. At 1330 hrs, the enemy has attacked and been beaten off with estimated 25 dead and several wounded. Your casualties are two killed 7 wounded. There are signs that the enemy are in some strength and may attack again. One of his 75 mm guns has sent over a dozen shells, mostly wide of your position. Write out on a message form your next SITREP.
6. You are defending a cross roads, which under comd a platoon of infantry, a sec of MMGs, and one tp of 6 pounder tank-attack guns. In support a battery of 25 pounder guns. Show your defence system.
7. Abbreviate the following :- Junction, administrative, aircraft, column, communication, forward, heavy, serjeant. What do the following abbreviations represent? - bndy, car, DRLS, DF, GRO, Tac R
8. (a) Define grid, magnetic and true north
(b) With magnetic variation $3^{\circ} 15'$ West of grid north, convert $50^{\circ} 30'$ magnetic to a grid bearing. 39
9. Name five main sources of Intelligence information.
10. (a) What instruments would you expect to find in an ideal "I" office.
(b) Give the uses of three main items. 5
11. How would you describe a road marked -
(a) A2 (b) B2 (C3) ?
12. (a) An arty tp is 20000 yds from an enemy posn. How far forward must they move to engage the enemy at extreme range
(b) How many guns in an Infantry Tank Attack Pl, and what type are they?
13. (a) How many regiments of infantry in a modern Japanese Division, and the number of battalions in each?
(b) What is the organisation of command in the Jap Army from a Commander-in-Chief e.g. (at Singapore) down to Divs.
(c) Jap Infantry units have light field guns attached to them. Do they belong to the Regt or Bn?
14. Describe the procedure in making a road traverse. 8
15. (a) Explain two methods of setting a map.
(b) Name three types of maps in use in this area.
16. You are I.O. of a bn and have received some enemy documents, including a pay book and diary. What action would you take?
17. (a) What is the object of security?
(b) B Section F.S.W. is attached to 9 Aust Div., What is its Function?
18. What do you know about the plane table method of making a field sketch? 7
19. Define the following :- Col, defile, re-entrant, watercourse, saddle.
(b) Give conventional signs for (a) cliffs, (b) river (where width of waterway is 25 feet, depth, height of banks 6 ft). (c) iron bridge (d) coconut plantation (e) ~~parachutists~~ parachutists (f) Bn HQ.
20. (a) What are the main headings of an Operation Order?
(b) Who, on a Bde HQ signs them for a Brig?

—00000—

Handwritten notes and calculations:

$$\begin{array}{r} 215 \\ 2 \overline{) 430} \\ \underline{430} \\ 0 \end{array}$$

215
215
215
215

No. 1 Squad. Sgt. Cole.

Pte Brown, R. L.
Cadell, H. M.
Gillespie, G. A.
Sgt. Pownceby, T.
Cpl. Lovek, N.
Pte Rice, D. V.
Sgt. Bolton, G. M. F.
L/Cpl Hoskins, G.
Pte Morrow, H. P.

No. 2 Squad. Sgt. Shepherd.

Pte Harding, E. W.
Downling, E. R.
Woods, A. J.
Perry, A. J.
Simpson, A. W.
Newstead, W. A.
Howard, A.
Neill, G. H.
Cpl. Bannah, M.

No. 3 Squad. Sgt. Rowe.

Cpl. Birrell, C. A. D.
Pte Whyte, G. M.
C Oliver, F. S.
L/Cpl Neuhaus, F. J.
Pte Runge, R. A.
Fletcher, E.
Dunn, D.
Crommelin, K.
Graham. G.

No. 1 Squad, Sgt. Cole.

Pte. Brown, R. L.
Cadell, H. M.
Gillespie, G. A.
Sgt. Pounceby, T.
Cpl Lovex, N.
Pte Rice, D. V.
Sgt. Bolton, G. M. F.
L/Cpl Hoskins, G.
Pte. Morrow, H. P.

No. 2 Squad, Sgt. Shepherd.

Pte Harding, E. W.
Dowling, E. R.
Woods, A. J.
Perry, A. J.
Simpson, A. W.
Newstead, W. A.
Howard, A.
Neill, G. H.
Cpl Bannah, M.

No. 3 Squad, Sgt. Rowe.

Cpl. Birrell, C. A. D.
Pte Whyte, G. M.
Colver, F. H.
L/Cpl Neuhaus, F. J.
Pte Runge, R. A.
Fletcher, E.
Dunn, D.
Crommelin, K.

No. 3 N.C.O. SCHOOL, M;M;G. SYLLABUS.

Times.	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12
0840 - 0910	Drill	Drill	Drill	Drill	Drill	Drill
0915 - 1000	Indic & Recognition	Direct Fire Order	Practical Safety Flank.	Pract. Ind. Post & D.A.P.	Practia Indir. Elev Distribution	
1000 - 1055	Lecture, Range Tables	Lecture Safety Direct X	Targets Depth & Area	Lecture. Indirect Elev	Lecture Indirect Safety X	
1100 - 1145	Lecture, Range or Ranges Errors in Dir.	Fire Orders Point Targets, Little width.	Practical Safety, Overhead	Practical Indirect Elevations	Pract. Indir. Safety.	
1150 - 1220	Practical Range Tables	Practical Safety Flanking.	Practical Fire Orders	Lecture Night Lines X	Fire Orders Direct.	
1330 - 1415	Lecture Slide Rule	Wide and Oblique Targets	Lecture Indirect X	Practical Night Lines	Indirect F.O.s complet	
1420 - 1505	Indic & Recognition	Practical Safety Overhead <i>Lecture</i>	Practical Indirect Director	Lecture Crest Clearance X	Lecture Fire Control Charts X	
1515 - 1600	Practical Slide Rule	Direct Fire Orders	Practical Safety General	Practical Crest Clearance	Lecture Fire Control Charts. X	

DRILL

Day 12 0840 - 0910 ~~Drill~~ 0915 - 1000 Practical Fire Control Charts.

 1005 - 1055 Pract. F.C. Charts. 1100 - 1220 Revision

 1330 - 1505 Examination 1515 - 1600 Cleaning and Inspection of weapons.

Syllabus, No. 3 N.C.O. SCHOOL, 7 Feb. - 12 Feb. 44.

Time Table from To.	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
0840 - 0910	Reserved C.O.	Discussion & Practical Drill Orders	Practical Methods of Instruction	Discussion Care & Cleaning Weapons, Etc.	Drill Formations	Drill Formations.
0915 - 1000	Discussion Water Duties Pte Wallis	Discussion Guards & and Picquets	Practical Guards & Picquets	Drill Formations.	Discussion Security and Censorship. I.O.	Discussion. Offences, Evidence. Adj.
1000 - 1010						
1010 - 1055	Discussion. R.O.s Orders and Promulgation Adj.	Discussion Mail, Comforts Amenities. C.O.	Discussion Message Writing. Adj.	Discussion Offences R.P. Evidence. Adj.	Discussion Map Reading. C.O.	Discussion Co-relating Reports & Summaries. I.O.
1100 - 1145	Practical Signals Sig. Offr.	Discussion Salvage Salv. Offr.	Medical Practical First Aid. M.O.	Discussion. Compass. C.O.	Discussion Reports and Information. I.O.	Reserved. C.O.
1150 - 1220	Discussion. Rosters & Working Parties. W.O.11 Longhurst	Discussion. Methods of Instruction C.I.	Reserved	Discussion Care & Issue of Clothing. R.Q.M.S.		Discussion. Man Management.
1220 - 1330						
1330 - 1415	Discussion. Saluting. C.O.	Discussion Drill Formations.	Discussion. Responsibility of N.C.O. in relation Transport. T.O.	Medical Personal & Camp. Hygiene. M.O.	Reserved.	Reserved.
1420 - 1505	Discussion. "Q" and Ord. Organisation. R.Q.M.S.	Discussion. Records. States Returns, etc.	Practical Message Writing. Adj.	Discussion, Rations and Cooking. W.O.11 Caterer.	Discussion. Army Organisation. Adj.	Final Exam.
1505 - 1515						
1515 - 1600	Drill Voice Control.	Drill etc	Drill etc	Drill etc	Drill etc	Drill etc

Time Table From To.	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
6840 - 09 10	Reserved. C.O.	Discussion & Practical Drill Orders.	Practical Methods of Instruction	Discussion Care & Cleaning Weapons, Etc.	Drill Formations.	Drill Formations.
0915-1000	Discussion Water Duties, Pte Wallis	Discussion Guards & Picquets	Guards &	Discussion Security and Censorship I.O.		

DAY 6 - SATURDAY

- Period
- 1 } 30x Range - Harmonizing Sights
 - 2 } and Fire Control
 - 3 Bren -Less 5 Additional Strip
 - 4 " Less 6 Points B.D. & A Firing
 - 5 " Less 7 Mechanism
 - 6 } Throwing Live Grenades
 - 7 }

DAY 7 MONDAY

- Period
- 1 Bren -Less 8 I.A.
 - 2 2" mortar-Less 1 & 2 Intr.
 - 3 Bren -Less 9 Stoppages
 - 4 2" mortar -Less 3, Loading, Aiming, Firing
 - 5 Bren-Less 10 Use of Cover
 - 6 2" mortar-Less 3 Practice
 - 7 Bren-Less 11 Handling (Bipod)

DAY 8-TUESDAY

- Period
- 1 } 30x Range -Bren
 - 2 }
 - 3 T.O.E.T.
 - 4. 2" mortar -Less 4-Handling
 - 5. Bren Handling Exercise
 - 6 Bren -Less 12 & 13 Handling (Tripod)
 - 7 Lecture - Fixed Limes, Obs & Range.

DAY 9 -WEDNESDAY

- Period
- 1 Bren -Less 1₁ -Fixed Lines
 - 2 3in Mortar - Description & Cleaning
 - 3 2in Mortar - T.O.E.T.
 - 4. 3in Mortar - AIMING
 - 5 E.M.D. - Take post, Mount & Dismount
 - 6 Laying for Direction
 - 7. Laying for Elevation

DAY 10 - THURSDAY

- Period
- 1 E.M.D - To mount on uneven ground
 - 2 Laying for Direction & Elevation
 - 3 E.M.D - To lay
 - 4 E.M.D. - Action & Cease Firing
 - 5 Lecture - Fire Control
 - 6 E.M.D. - Wiring
 - 7 E.M.D - Action on Misfire

DAY 11 - FRIDAY

- Period
- 1 E.M.D - To lay on posts
 - 2 Fire Control - Voice Control
 - 3 E.M.D - Auxiliary Aiming Mark
 - ~~4 Fire Control - Relayed Control~~
 - 4 Lecture - Ammunition & Field Duties
 - 5 Fire Control - Relayed Control
 - 6 E.M.D. - Rapid Corrections.
 - 7 SPARE

DAY 12 - SATURDAY

OPEN RANGE

- Fire Control and Field Firing
- 3in Mortar
- 2in Mortar
- Riflr Grenade.

"B" (WEAPON TRAINING) WING

DAILY ROUTINE

0700	REVEILLE
0710	ADMIN & SICK PDE
0745	BREAKFAST
0830	ASSEMBLY PARADE
0840	PERIOD 1
0925	" 2
1010	REST
1025	PERIOD 3
1110	PERIOD 4
1230	LUNCH
1330	PERIOD 5
1415	PERIOD 6
1500	REST
1515	PERIOD 7
1600	CEASE WORK
1715	EVENING MEAL

DAY 1 - MONDAY

SQUAD

Period	1	2	3	4	5
1	F	F	A	A	A
2	A	A	F	B	B
3	B	B	B	F	F
4	E	E	E	E	E
5	C	C	C	G	G
6	G	G	D	C	C
7	D	D	G	D	D

KEY

A Rifle Less 1 & 2
 B " Less 3 & 4
 C " Less 6 & 7
 D " Less 13 & 14
 E V.T. Less 1
 F Grenade Less 1
 G " Less 2

DAY 2 - TUESDAY

Period	1	2	3	4	5
1	A	A	A	A	A
2	F	F	B	B	B
3	E	E	E	E	E
4	B	B	C	C	C
5	D	D	D	D	D
6	C	C	G	F	F
7	G	G	F	G	G

A Rifle Less 15 & 16
 B " Less 17
 C " Less 19
 D " Less 6
 E V.T. Less 2
 F Grenade Less 2 Practice
 G V.T. " 7 (concentration)

DAY 3 - WEDNESDAY

Period	1	2	3	4	5
1	<u>LECTURE</u>	<u>ZEROING & COACHING</u>			
2	E	E	B	B	B
3	A	A	A	A	A
4	B	B	D	E	E
5	C	C	C	C	C
6	D	D	F	F	F
7	F	F	F	D	D

A Rifle Less 10
 B " Less 20 & 21
 C " Less 11 & 12
 D V.T. Less 8
 E Gren T.O.E.T.
 F Rifle Less 22

DAY 4 - THURSDAY

Period	1	2	3	4	5
1	A	A	E	B	B
2	B	B	A	E	E
3	C	C	C	C	C
4	E	E	B	A	A
5	D	D	D	D	D
6	BREN - RECRUITS INITIAL LESSON				
7	" 30x RANGE - INTRODUCTORY				

A 30x Range - Grouping
 B Rifle - T.O.E.T.
 C Rifle - Less 18
 D V.T. Less 3
 E Gren Less 3
 F
 G

DAY 5 - FRIDAY

Period	1	2	3	4	5
1	A	A	B	B	B
2	B	B	A	D	D
3	D	D	D	A	A
4	E	E	C	C	C
5	C	C	E	F	F
6	F	F	F	E	E
7	G	G	G	G	G

A 20x Range Application
 B Bren - Less 1
 C " -Less 2
 D " Less 3
 E 30x Range Snap & Rapid
 F Bren Less 4
 G Bren Less 6

7 DAYS NCO COURSE - 4 OCT to 11 OCT

1. OBJECT: To cover subjects as undermentioned designed to give NCOs further knowledge and requirements of NCOs general duties.:-
SUBJECTS: MMG - Fire control - direct;
Elementary tactics and ~~xxxxxx~~ Occupation of sec & pl positions - defence of bivouac area - movement through jungle - def. river crossing - Lectures on "A", "Q" Intelligence and Medical - close order drill.
2. COY NOMINATIONS
5 NCOs - names to be submitted day before course commences. Depending on movement of Bn or Coys it is intended to have further similar courses.
3. REPORTING FOR COURSE
Students will report to Lieut V.C. Moulder for first course, outside Bn HQ at 0830 hrs 4 Oct. For future courses at Course site WEST bank of BUSU .
4. CLOTHING - EQUIPMENT AND GUN STORES.
 - (a) Students will report in battle order with full kit including rifle, bayonet and compass.
 - (b) Complete gun stores for 2 guns from "A" Coy - 1 gun and stores each from "E" and "D" Coys
5. INSTRUCTORS
Chief Instructor - Lieut V.C. Moulder,
Offr Instructor - Lieut M.D. Johnson,
Course R.S.M - Sjt Buchanan C.L
MMG Instructor Sjt - Sjt Longhurst A.W.

Officer Instructors for miscellaneous admin subjects:-
Lieut Col E MacArthur-Onslow,
Maj P.B. Green,
Capt. P.R.K. Staniland,
Capt F.A. Varley
Capt M. Lamb,
Capt R.H.L. Dunn,
Lieut W.R. Melville.,
Cpl Oakes M E
6. RATIONS Cook and "Q" representatives will be detailed by Q.M and rations provided daily commencing mid-day meal 4 Oct 43.

F.A. Varley Capt
.....Adjt
(F.A. VARLEY)
2/2 AUST INF BN

TIMETABLE AND SYLLABUS

TIMES	4 OCT	5 OCT	6 OCT	7 OCT	8 OCT	9 OCT	11 OCT
0830	MAKE	FALL IN & INSPECTION		FALL IN AND INSPECTION			
0845 0930	bivouac	CLOSE ORDER DRILL 1	CLOSE ORDER DRILL 2	CLOSE ORDER DRILL 3	CLOSE ORDER DRILL 4	CLOSE ORDER DRILL 5	CLOSE ORDER DRILL 6
0940 1040	as a	MMG 1	"A" LECTURE 1	MMG 3	"Q" LECTURE 1	"A" LECTURE 2	"Q" LECTURE 2
1040 1100	drill	S	N	S	N	S	N O K O
1100 1200	" "	INTELLIGENCE 1	MMG 2	ELEMENTARY TACTICS 2	COMMUNICATIONS 1	MAKE & SEND 1 & 2 C.O 2	INTELLIGENCE 4
1215 1315	LUNCH	L U N C H			L U N C H		
1330 1430	C.Os OPENING ADDRESS	GENERAL LECTURE 2	ELEMENTARY TACTICS 1	MMG 4	ELEMENTARY TACTICS 3	MMG 5	MMG 6
1430 1445	SMOKO	S N O K O			S N O K O		
1445 1545	GENERAL LECTURE 1	MEDICAL 1	INTELLIGENCE 2	INTELLIGENCE 3	MEDICAL 2	ELEMENTARY TACTICS 4	INTELLIGENCE 5
1830 1930	NIGHT TRAINING 1	NIGHT TRAINING 2		NIGHT TRAINING 3		NIGHT TRAINING 4	

IMG - OFFICER INSTRUCTOR AND SGT LONGHURST.

1. Fire control principles - Ranges and targets.
2. Fire control orders - direct,
3. Fire " " "
4. Fire control orders - Mutual instruction,
5. Occupation of sec & pl positions, Emphasising NCOs duties,
6. Development of a position - experimenting with weapon pits and use of "fox holes" and fire lanes.

CLOSE ORDER DRILL AND ROUTE MARCHES
COURSE R.S.M AND BN R.S.M

1. Arms drill without bayonets, slope, order, Present,
2. Arms drill with bayonets, slope, order, present,
3. Guard procedure (NCOs duties).,
4. Guards " " "
5. Route march with periods of drill and march discipline,
6. " " " " " " " "

INTELLIGENCE - CPL OAKES E.

1. Intelligence and how it operates,
2. Compass - Offr instr,
3. Compass march through jungle and direction by compass - keeping contact, offr instr,
4. Messages and abbreviations - (exercise Course)
5. Intelligence reports and map reading.

"A" LECTURES - CAPT F.A. WARLEY .

1. Administration as affecting NCOs and operation of admin. services,
2. Military Law and conduct of C.Os Orderly Room;
- 3.

"Q" LECTURES | CAPT H.J. LAMB

1. "Q" Administration as affecting NCOs;
2. Operation of "Q" services.

MEDICAL

1. Hygiene and sanitation;
2. Malarial precautions.

MAKE AND MEND

1. Weapon and equipment cleaning - Camp administration;

COMMANDING OFFICER

1. Opening address.
2. Reserved.

ELEMENTARY TACTICS.

1. Lecture - Principles of elementary tactics;
2. Protection during movement through jungle;
3. Protection of bivouac area - cutting fire lanes.
4. Elementary tactical exercise - NCOs duties;

COMMUNICATIONS. - LIEUT W.R. MELVILLE.

1. Fundamentals of communications .,

GENERAL LECTURES

1. Principles of instruction - Lieut V.G. Moulder.
2. NCOs responsibilities - Capt F.R.K. Staniland.

NIGHT TRAINING

1. March through jungle keeping contact.
2. Compass march,
3. " " "
4. "Stand to " in defensive position - with reports to pl & Coy HQ.

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NEW GUINEA FOR LE TRAINING ADRE

SYLLABUS OF TRAINING FOR JUNIOR LEADERS

7/1/1944 TO 20/1/1944

6

TIME	FRI. 7.	SAT. 8.	SUN. 9	MON. 10	TUES. 11	WED. 12	THURS. 13	FRI. 14.	SAT. 15.	SUN. 16	MON. 17	TUE. 18	WED. 19.	THU. 20
0830-0845	INSPECTION AND DRAWING OF WEAPONS			INSPECTION AND DRAWING OF WEAPONS		INSPECTION AND DRAWING OF WEAPONS		INSPECTION AND DRAWING OF WEAPONS.						
0845-0935	LECTURE OBJECT OF S H- COOL	BREN LESSON 3	REST	LECTURE PRINCIP ALS OF INSTRU TION.	BREN LESSON 7	BREN LESSON 9	LECTURE THEORY OF SM. ARMS	LECTURE BREN FIX ED LINE	GRENADE LESSON 1.	REST	GREN LESS. 3	OWEN POINT ING SENSE	LECTURE BREN EMPLOY MENT	
0945-1035	BREN LESSON 1	BREN LESSON 4	REST	BREN LESSON 5	BREN LESSON 8	M.I.	RIFLE LESSON 19	MORTAR LESSON 1.	GRENADE LESSON 2	REST	BAY LESS 1 & 2	BAY LESS 4 & 5		
1100-1150	BREN LESSON 2.	RIFLE LESSON 3	REST	BREN LESSON 6	RIFLE LESSON 13	RIFLE LESSON 15 & 16	M.I.	MORTAR LESSON 2	MORTAR LESSON 3	REST	BAY. LESS 3.	M.I.		
1400-1450	RIFLE LESSON 1	RIFLE LESSON 5 & 6	REST	RIFLE LESSON 10, 11, & 12.	RIFLE LESSON 14	RIFLE LESSON 17	BREN LESS 12 & 13	BREN LESSON 14	MORTAR LESSON 5 & 6	REST	M.I.	M.I.		
1500-1550	RIFLE LESSON 2 & 4	OWEN LESSON 1	REST	OWEN LESSON 2	M.I.	OWEN LESSON 3	RIFLE LESSON 20, 21 22.	M.I.	M.I.	REST	M.I.	M.I.		
1600-1650	RECAPITULATION OF LESSONS AS REQUIRED ALSO STUDY AND DISCUSSION													

AS ORDERED AS ORDERED
EXAMINATION IN FORM OF M.I.
AND WRITTEN.
RETURN TO UNIT.

NOTES:- (1) NIGHT TRAINING-MONDAY, WEDNESDAY, SATURDAY, LECTURES AND TRAINING FILMS, AS ORDERED BY CHIEF INSTRUCTOR.
(2) MANUALS, SYLLABUS AND PRECIS WILL BE RETURNED TO SQUAD INSTRUCTORS BEFORE LEAVING THE SCHOOL.

[Signature]
for MAJOR
CHIEF INSTRUCTOR.
N.G.F. MOBILE TRAINING ADRE.

School of Signals New Guinea Force.
FINAL RESULTS OF TESTS AND EXAMINATIONS.

FORM 2.

Course No. 99

Type : INF BN SIGNALLERS

From : 6 Dec 43

To : 2 Jan 44

No. of Students 36

RECEIVED

25-1-44

File No.

881

STUDENT. (No., Rank, Name, Unit)	ENTRANCE.						FINAL.						INSTRUCTOR'S REMARKS.		
	Morse		Signals		Other	Aver.	Place in Class	Morse		Signals		Other		Aver.	Place in Class
	S	H	Prac. %	Theo %	Subj. %	all Subj. %		S	H	Prac. %	Theo %	Subj. %		all Subj. %	
NX90771 Pte HIRD, A. 2/2/ Aust M.G. Bn															<p>FAILED: Hard worker. Slow to absorb. Needs more morse training.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>CG. <i>W.D.</i></p> <p>21/c</p> <p>1 Adj.</p> <p>Q.M.</p> <p>M.O.</p> <p>L.O.</p> <p>T.O.</p> <p>R.S.M.</p> </div> <p style="color: red; font-style: italic;">* See Mr King</p> <p style="color: red; font-style: italic;">* See Offr.</p> <p style="color: red; font-style: italic;">* you might follow the procedure in your school Jan</p> <p style="color: red; font-style: italic;">already in progress</p>

Section No.9.

INF BN SIGS

ENTRANCE EXAMINATION (WRITTEN)

Time 1 hr.

SIGNAL SUBJECTS

Army No.	Name	Rank	Unit
----------	------	------	------

1. Who fills in the operator's line, on an "OUT" message.

2. What are the basic principles of Single Call Procedure?

3. Give the meanings of (i) $\overline{IM1}$ (ii) T (iii) \overline{AR} (iv) \overline{NA} (v) E

4. (i) What is the frequency range of W/T Set 108 mk $\overline{11}$.
(ii) State three uses of the Test Set Portable No.2.

5. (i) Name four errors to be avoided in laying Cable.
(ii) The frequency range in M/C's of W/T Set No.11.(Aust) is from to

6. (i) What is the use of the Potentiometer in the Fullerphone MKIV?
(ii) If you tested the alignment of a Lamp Sig Daylight S.R. and found it incorrect, how would record the error.

7. In the Switchboard 10 Line U.C. a subscriber should be called in thejack and answered in thejack.

8. If the batteries in your Telephone DV were wrongly connected would it effect your Microphone current. (explain briefly reason for answer)

Other Subjects

Time ½ hr.

1. (i) What is a defile?
(ii) What is the back bearing of 315 degrees.
2. On opening a map name four points you would examine before using the map.
3. For what purpose is the Green Envelope.
4. (i) What is done with old messages and Sig Office records.
(ii) State reason for answer.

Section No.9.

INF BN SIGS

ENTRANCE EXAMINATION (PRACTICAL)

Time 2½hrs.

SIGNAL SUBJECTS

1. Demonstrate the Tests adjustments and Maintenance of a TelephoneDV.
2. Tune and net a W/T Set 108MK II.
3. Adjust the buzzer - chopper of a Fullerphone MK IV.
4. Demonstrate the Tests Faults and Maintenance in a Switchboard 10-Line U.C.
5. Test Set Portable No.2.
 - (i) Test "X" Cells.
 - (ii) Find unknown resistance.
 - (iii) Test for continuity.

Other Subjects

1. Orient a map.
2. Set Compass for a Night march.
3. Find a point from a map reference and describe surrounding country.
4.
 - (i) Take a bearing.
 - (ii) What is back bearing?

FINAL EXAMINATION (WRITTEN)

Signal Subjects

Time 1½ hrs

Army No.

Name (Blocks)

Rank

Unit

1. The effect of the batteries being reversed in a Telephone DMKV̄ will be.
2. Give five points to observe in the care and daily maintenance of the Telephone DMKV̄:-
 - (i)
 - (ii).....
 - (iii).....
 - (iv)
 - (v)
3. Give the name and sequence of the Tests of the Switchboard 10 Line U.C.

(i).....	(vi).....
(ii).....	(vii).....
(iii).....	(viii).....
(iv).....	(ix).....
(v).....	(x).....
4. Name five points in the maintenance of the Switchboard 10 Line U.C.
 - (i)
 - (ii)
 - (iii)
 - (iv)
 - (v)
5. One of the line indicator lights in your Switchboard 10 Line U.C. comes on although apparent no call has been made. State two possible causes for this.
 - (i)
 - (ii).....
6. (i) When setting up the Helio 5 inch, the duplex mirror is used when the angle of the sun to the distant station is than 180°.

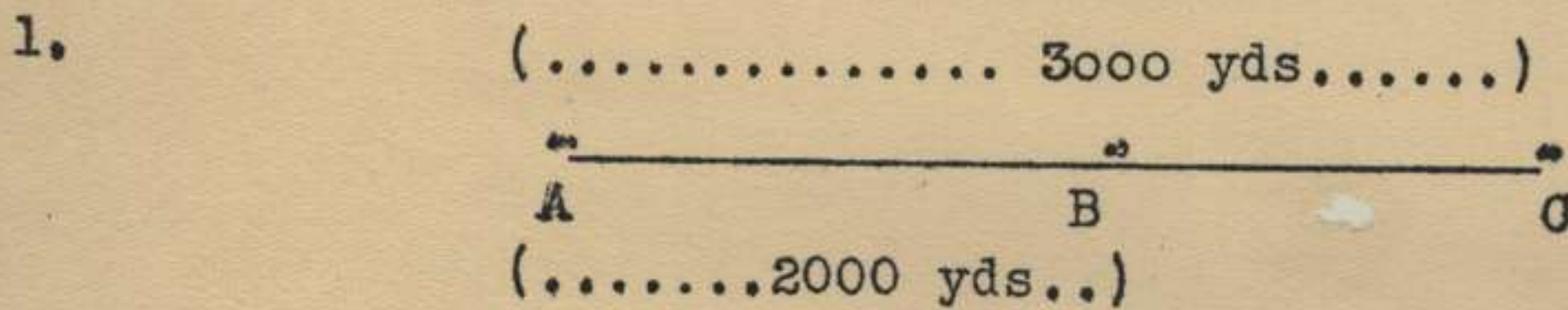
 (ii) You would use a "long" key beat when the distant station is within..... miles and a "short" key beat when the distant station is
7. In the Lamp Sig Daylight S.R. what is the purpose of the resistance of 4 ohms which is in circuit when the lamp is plugged into "C & No.1?"

8. The dispersion width of the beam from a Lamp Sig daylight S.R. at one mile distance is yds This can be cut down by the inclusion of..... which may be used also for
9. On an R/T Group APG (Control) XYZ and MNS are three stations in that order. Give in detail all calls made in establishing comm.
10. Detail all calls made by all stations on a W/T group as shown when GL8 has a message for CR 6 and T5 R.



11. Name four signal records which should be kept by a bn signal office
 - (i)
 - (ii).....
 - (iii)
 - (iv).....

OTHER SUBJECTS



Point 'A' is on a road 475 feet above sealevel and point 'C' is a knoll 1003 ft high. Between these two points lies a hill, 'B', which is 765 ft high and on the top of which is a thick clump of trees 20 ft high. You are instructed to open V/S between the 'A' and 'C'.

Is direct Comm possible? (Show working on back)

2. The VI between A & B is 100 ft. The HE is 250 yds. assuming the slope to be uniform throughout its length, would a vehicle, capable of negotiating a gradient of 1 in 9, be able to travel uphill from A to B (Show your workings on back)
3. For what two purposes is the green envelope authorised to be used.
 - (i)
 - (ii)
4. In replying to a donor of a Xmas Hamper Name five subjects you must avoid:-
 - (i) (iv).....
 - (ii)..... (v)
 - (iii).....
5. Communications by any means will be maintained most efficiently and securely by adhering strictly to procedure. State five ways in which correct procedure assists communications:-
 -
 -

Section No.9

INF. BN. SIGS.

Date.

FINAL EXAMINATION (PRACTICAL)

SIGNAL SUBJECTS

1. On the two Lines erected in the Classroom connect two Telephones DMKV each end and provide for a Fullerphone MKTIV to be used thereon at the same time.
2. Adjust Fullerphone MKTIV so as to be ready for working.
3. Estimate the length of new D3 Cable on a drum using the Test Set Portable No.2.
4. Lengthen a working D3 Cable.
5. Erect and tune the following Sets to frequencies indicated:-
W/T Set 108 MKIII
W/T Set No.11 (Aust)
6. Perform daily maintenance tasks for W/T Set 108 MKIII

OTHER SUBJECTS

1. Set up a map using two methods.
2. Describe the country lying between two points indicated on the map.
3. Point out on map PORT MORESBY 1" the following:-
 - (i) Bridge vicinity 0643 and describe it:-
 - (ii) A swamp.
 - (iii) Re-entrant.
 - (iv) Subsidiary road - one traffic stream - suitable for Pack Transport only.
 - (v) A defile.
 - (vi) Precipitous cliffs.
4.
 - (i) Take a bearing with a compass on a given object.
 - (ii) State the back bearing.
 - (iii) What is the true bearing.
 - (iv) Lay off the bearing on a map using a Service Protractor.

GENERAL

- Q.1. What are the normal channels through which your inward mail passes ?
- Q.2. What are the sources of supply of amenities such as amusements, comfort etc ?
- Q.3. In evolving a drill for moving into a bivouac area, what considerations would govern your action ?
- Q.4. In selecting a bivouac site what areas would you avoid ?
- Q.5. When moving along a track, what precautions would you take to guard against a surprise enemy attack ?
- Q.6. You are moving along an indistinct track in an area of heavy timber and little or no undergrowth. What steps would you take to ensure that a party following behind kept to the correct track ?
- Q.7. You are senior member of a party which is sitting about during a "smoke-out" The C.O. is seen walking towards the group. What action would you take ?
- Q.8. You are the Comd of a Guard which has fallen out on the approach of the Divisional Commander. When would you give the order "Present Arms" ?
- Q.9. Using a rectangle for each platoon, draw a diagram showing a Coy in close column of platoons and also show the positions of Coy Comd, Pl Comds, Pl Sjts, CSM, Coy 2 i/c.
- Q.10. The Coy is marching in column of route. Draw a diagram to show what happens on the order, "At the halt, facing left, form close column of platoons." Show the positions of the Coy Comd, Pl Comds, Pl Sjts, and CSM before and on the completion of this order.
- Q.11. What are the names and ranks of the Regimental Quartermaster and the Regimental Medical Officer ?
- Q.12. Which Coy of this Bn took part in the landing at FINSCHHAFEN ?
- Q.13. What Bn took GUSKA, and to what Bde does the Bn belong ?
- Q.14. Name seven members of the Bn who have won decorations. Give rank and decoration awarded. Also name three who have been Mentioned in Despatch

TIME ALLOWED : 2 hrs 15 mins.

Time-table From To	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6.
0840 - 0910	Reserved C.O.	Discussion and Practical Drill Orders	Practical Methods of Instruction	Discussion Care and Cleaning Weapons, Etc.	Drill Formations	Drill Formations.
0915 - 1000	Discussion Water Duties Fife Malls	Discussion, Cds & Signals	Practical Cds. & Signals	Drill Formations	Discussion Security & Censorship I.O.	Discussion Offences & Evidence I.O.
1000 - 1010						
1010 - 1055	Discussion, H.Q.O. Orders and Prosecution, I.O.	Discussion Mail, Comforts, Amenities, C.O.	Discussion Message Writing Adj't.	Discussion H.P. Evidence Offences I.O.	Discussion Sp Reading C.O.	Discussion, Co-relating Reports and I.O.
1100 - 1145	Practical Signals, I.O. Adj't.	Discussion, Salvage, I.O. Adj't.	Medical, Practical First Aid, I.O.	Discussion, Coopers, C.O.	Discussion, Reports	Reserved, C.O.
1150 - 1220	Discussion Posters & Working Parties, H.Q.O. Adj't.	Discussion Methods of Instructions, C.O.	Reserved	Discussion, Care and Issue of Clothing, H.Q.O.	and Information, I.O.	Discussion, Man Management.
1220 - 1300						
1330 - 1415	Discussion, Saluting, C.O.	Discussion, Drill Formations	Discussion Responsibility of H.Q.O.s in Relation to Transport, I.O.	Medical Personal Camp Hygiene A/Malaria, H.Q.O.	Reserved	Reserved Plan
1430 - 1505	Discussion "Q" and Ord. Cry. H.Q.O.	Discussion Records, States, Returns, etc.	Practical Message Writing, Adj't.	Discussion Hutons & Cooking, H.Q.O. Adj't.	Discussion Army Organisation Adj't.	Final Exam.
1515 - 1600	Voice Control Drill	Drill	Drill	Drill	Drill	Drill.

SYLLABUS NO 2 N.C.Os SCHOOL 24 JAN 44 - 5 FEB 44

Period & Times	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7	DAY 8	DAY 9	DAY 10	DAY 11	DAY 12
0645 0715	Drill & Voice Control	Drill etc	Drill etc	Drill etc	Drill Etc	Drill Etc	Drill etc	Drill Etc	Drill Etc	Drill Etc	---	Drill Etc
0745	Breakfast											
0830 0900	-do-	Drill etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc	Drill Etc
0905 0950	C.O.	Discussion Guards & Piquets	Drill Formations	Methods of Instn.	Guards & Piquets	Discussion Reports & Information	Discussion MMG Safety General	Discussion Water Duties	Discussion MMG Defence	MMG Practical Post & D.A.P.	MMG Director Displaced	Discussion MMG Attack
0955 1040	Discussion Saluting	Drill Orders	Discussion Security & Censorship	Discussion Signals	MMG ECO Pt targets	MMG Slide Rule	Discussion Offences RP Evidence	Discussion MMG Indirect 1	Exercise MMG in	Discussion and Exer. Perimeters	Discussion Offences & Evidence	Exercise +MMG in
1050 1135	Discussion ROs Orders & Promulga- tion.	Discussion Medical & Hygiene	Discussion Concealment and	Discussion & demo Cutting Parties	Discussion Message Writing	Discussion Man Loads	Discussion Weapons carried in Platoon	Discussion Mvt to	Defence	and lanes of fire	Reserved	Attack
1140 1210	Discussion Rosters & Working Parties	Discussion Methods of Instruction	Camouflage	Discussion Care & Issue of Clothing	Reserved	Discussion & Demo care & cleaning weapons, amm.	MMG F.C.O. Wide & Oblique Targets	and from Bivouac	-do-	-do-	M.M.G. Pract. Director Displaced	-do-
1230	Lunch											
1330 1415	Discussion Mail, Comf- orts & Amenities	Discussion & Exercise Track Mvt	Reserved	Discussion Medical & Hygiene	Discussion Salvage	Reserved C.O.	Reserved	Discussion Co-relating reports Sitreps-"I" Summaries	Discussion Army Organisation	MMG Lecture Crest Clear.	MMG Fixed Line Overhead	Reserved C.O.

Period & Times	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7	DAY 8	DAY 9	DAY 10	DAY 11	DAY 12
1420 1505	Discussion Drill Formation	Discussion & Exercise Track Mvt	Discussion Returns States Records Personnel	MMG Range Tables	Discussion MT Respons. of NCOs in realtion to tpt.	Discussion Signals	MMG Practical Safety	Discussion Rations & Cooking	MMG Pract. Safety	MMG Pract. Crest Clear- ing	MMG Fire Control Charts	Cleaning and Inspect.
1515 1600	Drill Orders	Discussion "Q" and Ord Organisation	Saluting	Drill Formations	Practical Message Writing	Drill Formation	MMG Depth & Area Targets	MMG Indirect Practical Director	MMG Lecture Indirect 11	MMG Fixed Lines Flanking	MMG Practical Fire Control Charts	of all weapons and stores

SIGNALS

- Q.1. Name and explain the types of circuits used in connecting up Don V telephone.
- Q.2. What is the difference between phones in series or parallel?
- Q.3. State what you know of the care and cleaning of a Don V.

GENERAL

- Q.1. What are the normal channels through which your inward mail passes ?
- Q.2. What are the sources of supply of amenities, such as amusements, comforts, etc ?
- Q.3. In evolving a drill for moving into a bivouac area, what considerations would govern your action ?
- Q.4. In selecting a bivouac site, what areas would you avoid ?
- Q.5. When moving along a track, what precautions would you take to guard against a surprise enemy attack ?
- Q.6. You are moving along an indistinct track in an area of heavy timber and little or no undergrowth. What steps would you take to ensure that a party following behind kept to the correct track ?
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- Q.9. Using a rectangle for each platoon, draw a diagram showing a Coy in close column of platoons and also show the posns of Coy Comd, Pl Comds, Pl Sjts, CSM, Coy 2 i/c.
- Q.10. The Coy is marching in column of route. Draw a diagram to show what happen on the order, "At the halt, facing left, form close column of platoons". Show the posns of the Coy Comd, Pl Comds, Pl Sjts, and CSM before, and on the completion of this order.
- Q.11. What are the names and ranks of the Regimental Quartermaster and the Regimental Medical Officer ?
- Q.12. Which Coy of this Bn took part in the landing at FINSCHHAFEN ?
- Q.13. What Bn took GUSIKA, and to what Bde does the Bn belong ?
- Q.14. Name seven members of the Bn who have won decorations. Give rank and decoration awarded. Also name three who have been Mentioned in Despatches.

TIME ALLOWED : 2 hrs 15 mins.

EXAMINATION - No 2 N.C.Os SCHOOLADM

- Q.1. What are the responsibilities of an NCO in regard to Routine Orders?
 Q.2. Correct the attached message.
 Q.3. What does "RPTD" mean in the address of a message?
 Q.4. Give the correct method for showing the Time of Origin of a message.
 Q.5. Give a suggested Pro Forma which would assist an NCO in the keeping of Pl records.
 Q.6. What is the correct procedure for a private soldier to lay a complaint and, if considered necessary, through what channels would he have to go to be paraded to the Div Comd?
 Q.7. On 29 Jan 44 you are on duty as Coy Ord Sjt. At Tattoo you find that QX 12345 Pte POD, T.R.I., is AWL; what would your evidence be at the C.O's Orderly Room?

10

- Q.1. Pte BOOTS, A.B., has a short which is unserviceable. What procedure would he adopt to obtain a new one?
 Q.2. What facilities can the unit provide, in a standing camp, for the care of clothing, equipment and arms?
 Q.3. Give brief description of the supplies handled by Ordnance and by A.A.S.C.

MEDICAL

- Q.1. What measures would you carry out in personal hygiene?
 Q.2. What are the NCO's responsibilities in regard to anti-Malarial precautions?
 Q.3. What is the reason for the Horrocks Test?
 Q.4. What amount of free chlorine, in parts per million, must be available in
 (a) Chlorinated water?
 (b) Super-chlorinated water?

INT

- Q.1. You are situated at GUSIKA and have just returned from patrol. Write the correct heading to the report you would submit.
 Q.2. What is the object of security?
 Q.3. Name five of the main sources of Intelligence information.
 Q.4. While in close contact with the enemy, what documents are carried on the person and what information must you give if captured?
 Q.5. What information about the ENEMY would you expect to find in an Intelligence Summary issued prior to an operation similar to the landing at LAE?

(Four questions only to be answered)

M.M.G.

- Q.1. What would be your corrections when engaging the following target
 direct fire - no observation : Range (est) 1600x
 Angular width 34
 Wind 3/4 rt angle
 from rt rear at 20 mph.
- Q.2. What would be your complete indirect fire orders and the subsequent corrections for the following target -
 Range G.F; (R-finder) 1900x
 Angle of S G.F. plus 5"
 Angular width target 3° 50'
 1/4 wind from rt front 15 mph.
 Show all working.
- Q.3. Range to target 1700x (B & S)
 " " troops 1350x do
 Ground angle 39'
 Would it be safe or unsafe to fire, and by what margin? Show all working.
- Q.4. Describe how the slide rule is used when solving the following safety problem : Troops 1400x B & S
 Target 1600x do

ENTRANCE EXAMINATION No. 3 NCO's SCHOOL.

- Q. 1. You are on sentry duty. When in the centre of your beat you notice the CO approaching. What would your actions be and what compliment would you pay him?
- Q. 2. You are the platoon Cdr. of No. 1 pln. The Coy Commander gives the following order. "Coy will advance in column of route No. 1 Pln. leading. Company, Right Turn." What would your actions be?
- Q. 3... You are in a standing camp on visitor's day. Pte BOOTS A.B. introduces you to his sister. What would be your actions?
- Q. 4 What is the object of censorship?
- Q. 5. Name three (3) types of Reconnaissance Reports.
- Q. 6. Originate a message to give the following information....
"Address to:--your unit. From your platoon, ...WX 12345 Pte T.R.I. Pod has been nominated to attend a MMG school which is to commence on Monday January 6th. 1944. He should be equipped with (i) Compass (ii) Binoculars (iii) Slide Rule (iv) Range tables but none are available. Message originated at 0925 hrs on January 4th 1944."
- Q. 7. You have a complaint to make and you are unable to obtain satisfaction from your platoon Sgt. The CO. would be able to satisfy you and have your trouble rectified. What steps would you take to be paraded to the CO?
- Q. 8..... You are Secn Cdr. in an isolated secn. post. Your Coy Cdr. sends you a copy of Routine Orders. What action would you take?
- Q. 9..... You are a Secn Cdr. and you want to engage the following target...
Direct Fire. "Range 1550 XR/F/.. Angular width 30'... No wind.
What would be your fire order?
- Q. 10..... You are fire controller controlling indirect fire. You are using the Director method to parallel the guns, your director is 100x in rear of your gun position and 5x to the flank. No. 1 is the pivot gun. Describe how you would go about paralleling the guns.
- Q. 11... Describe what personal A/Malaria precautions are necessary in this area.
- Q. 12... .. What are the essential hygiene arrangements in a bivouac area?
- Q. 13... Name the five Company Commanders of this unit.
- Q. 14..... What is the rank and name of (a) The Unit Intelligence Officer, (b) The Regimental Quartermaster Sergeant (c) The Transport Officer (d) The Signal Officer.
- Q. 15..... You are instructing new recruits in the Mechanism of a Vickers .303 MG. You have completed your explanation and demonstration. How would you ask questions to find out whether the squad has absorbed the Lesson?

W.B. ...

PRECIS OF LECTURES;

SECRET

2/2 AUST MG BN

Copy No 4

APPX III G⁴

C.O.s.

REPORT

ON

OPERATIONS

LAE - FINSCHHAFEN - SIO CAMPAIGN

1943-44

INDEX TO REPORT

- Part I LESSONS LEARNED FROM OPS - LAE-FINSCHHAFEN
- II SUPPLEMENTARY REPORT
- III Suggested AMENDMENTS TO W.E.
- IV Suggested AMENDMENTS TO E 2
- V Suggested MODIFIED AND NEW EQUIPMENT
- VI AMENITIES AND CANTEEN

APPENDICES

- "A" Carrier harness, Belt Box
- "B" Carrier bracket, Belt Box
- "C" Condenser, canvas
- (a) Primus and burner
- "D" (b) Jungle knife
- "E" Flash eliminator
- "F" Torch, night aiming
- "G" Spare parts, Vickers MMG

Distribution

- Copy No
- 1 9 Aust Div
- 2 Col Hatchford, SAS
- 3 Maj Dawson, MG Trg Bn
- 4 War Diary
- 5

12

Hq
9 AUST DIV.

LESSONS LEARNED FROM OPERATIONS LAE - FINSCHAFEN

I. INTRODUCTION

- (a) These notes have been compiled from observations and actual experience of Machine Gunners operating under New Guinea conditions.
- (b) As far as possible the notes have been of a "general" nature, rather than being applicable to local incidents only.
- (c) The type of terrain in which the unit operated varied from dense jungle with secondary growth to heavily timbered rain forest, from precipitous mountains to open kunai flats.
- (d) As the M M G Bn has been designed to operate as a fully motorised unit and there have been no alterations to Establishment or W.E.F to meet "jungle conditions", there is obviously work on a much larger scale than these "notes" to be done to make the unit thoroughly "jungle worthy".

2. ROLES

(a) Attack

(i) When M M G Coys are placed in support or under command Brigades for a specific operation the Company Commander must be kept well in the picture and Brigade Commanders should keep the Company under his personal command as long as possible. The concentrated fire from twelve guns, brought down when and where required, is much more effective than Platoon or Section shoots under Battalion arrangements in local areas. The Battalion Commander has his own platoon of guns for close support and the M M G Company should be used on a much broader scale.

(ii) In attack, as in defence, Battalion Commanders must appreciate that support can frequently be better applied from neighboring areas rather than from their own.

(iii) Flanking and overhead shoots have been successfully carried out during recent operations, though the infantry in some cases were a little sceptical to start with, but once having realised the benefit, were most anxious to have it at all times during attacks. It is therefore suggested that infantry training include advances under overhead and flanking fire.

(iv) Some of the shoots carried out were almost "Sand Table" exercises and all the principles as laid down in S A T were followed to the letter and were first class experience for fire controllers and men.

(v) The difficulty of supply, and keeping the guns up with the infantry, was acute and suggestions to improve this have been included under "Suggestions", para 7(b)(1).

(vi) Infantry must ensure that suitable ground for siting of MMGs is clear of the enemy. This, on several occasions, had to be done by MG platoons who are not equipped for this task

(b) Defence

(i) MMG Companies in support of Brigades in defence, were usually split over the entire front and used well forward in the FDLs. In dense country this was necessary and the effect of MMG fire in cutting "lanes" in secondary growth was most satisfactory.

(ii) The use of a concentrated company, in open or semi open country, should not be overlooked. Twelve guns capable of bringing down concentrated fire on many sections of the FDLs, may be of greater use than sections split over a long front in what really amounts to Bren roles. In other words use of MGs as Artillery from support areas.

(iii) Wire and booby traps were most useful in static positions and prevented the position from being over-run on at least one

occasion, when the enemy actually reached to within grenade range of the guns.

(iv) Additional Brens under these conditions were invaluable and it is suggested that one Bren per section for use when in positions for defence be added to E2 scale.

(v) Owing to lack of enemy interference, troops became careless in regard to concealment, which, in open kunai, is most difficult to achieve. Some positions were plainly visible through binoculars at 6000 and 7000 yards. This was caused by movement around the gun position killing the grass. This is a difficult problem to overcome as kunai dies quickly when there is traffic, and it is probably better from all points of view to burn or cut kunai over a considerable area in the proximity of the position. "Fields" of fire in preference to "Lanes".

(vi) It is still most necessary in all types of country to have infantry protection for the guns.

(vii) It is questionable whether it is preferable to site positions in timber, on the edge of kunai, or in the open. In timber, even if exact position is not known to the enemy, mortar and artillery exploding the trees usually effects casualties, whereas in the open, even though the position be pin-pointed, only direct hits on fox holes causes casualties. Generally it was found better to remain in the open

3. MOVEMENT AND ADMINISTRATION

Movement is one of the greatest difficulties of any force in this type of country. Normally the only method is on foot.

To move a MMG Company over any distance, with adequate stores and ammunition on foot, is impossible without additional manpower to assist in the carrying.

It must be realised that the MMG unit was originally designed to be fully motorised and that when it becomes necessary to use them as infantry, radical changes in equipment becomes necessary. Usually the rate of advance in these operations was governed by the speed at which the engineers could make the jeep road. Therefore, providing there were sufficient jeeps, there was always an adequate supply of ammunition at jeep head, which was always close up behind the leading infantry. However as this Battalion only had an allotment of four jeeps which would not permit of more than one jeep per company actually committed, it was difficult to keep up supplies and suggestions as to the minimum number of jeeps necessary, is submitted under "Suggestions" para 7(b)(i).

The MMG Coy in operations must have a B echelon, which should be under command the company 2i/c and stationed slightly forward of the Brigade supply point. In the B echelon must be carried all the surplus company equipment which includes spare parts and preferably a spare gun. B echelon should move forward by "bounds" as the advance progresses

If jeeps are not available, or the terrain unsuitable, native porters are used, but as the natives have a distinct dislike for enemy fire, they are unsuitable for front line maintenance. On several occasions companies were reinforced by members of HQ Coy to assist in carrying.

4. COMMUNICATIONS

- (a) Communications were generally bad throughout the operation, caused largely by inexperience on the part of signallers and partially by unsuitability of equipment.
- (b) Recent operations required the signal platoon to provide:-
- (i) Intra battalion communication.
 - (ii) Coastal and perimeter defence communication.
 - (iii) Coastal challenging stations.
 - (iv) To act as a Signal Centre for Composite Force and other detached groups and minor units.

/(v)

(iv)/

(v) To provide sections to MG Coys when attached or under command of Brigades.

(c) This necessitated grouping the platoon as follows:-

(i) One signaller on permanent instrument maintenance.

(ii) Detachment of a section, consisting of 1 Opl and 4 signallers, to each MG Coy.

(iii) Retaining 1 Sjt 6 signallers and 3 M/C orderlies to operate signal office and maintain up to 20 miles of cable. (Note). The M/C orderlies were not used as such but had to be used as signallers. No necessity arose for the use of orderlies.

(d) Signals generally. Undue work and strain was placed on signal personnel due to:-

(i) Lack of supplies and replacements.

(ii) Lack of appreciation of communication difficulties by all ranks.

(iii) Interference with lines by troops using them as clothes lines and cutting sections out to tie shelters etc.

(iv) Abuse of lines by jeep and truck drivers.

(v) Failure to protect instruments from moisture, rough treatment, and interference with adjustments by subscribers.

(vi) Units failing to notify adjacent signal offices of their movement out of area.

(vii) Non attention to calls by subscribers.

(viii) Unnecessary induction caused by:-

Using earth circuits too frequently.

Faulty cable laying in initial stages and lack of line maintenance.

Failure to spread earth pins at switchboards.

Bunching of lines.

(ix) Poor tagging of lines.

(e) War Equipment used was as follows:-

Cable. D3 and D8 single and twisted.

Instruments.

Switchboard 10 line U G

" " 6 " "

Telephones D5

Fullerphone

Lamp daylight signalling short range.

Test set portable No 2.

Section W2 of E2 scale.

Panniers Signal

War Equipment NOT used was as follows:-

Aerial signalling; discs sig ground and strips.

Cable laying apparatus No 2.

Flags signal.

Heliographs.

Superposing units 3 transformer.

Wireless sets 108 Mkii

Boxes terminal Mkii, Dend P frames, snakes.

Other equipment used:-

Assault cable (Aust)(unsatisfactory)

" " (USA) " "

" " (Jap) (satisfactory)

Japanese phones (found satisfactory when fitted with telephone hand set No 2.).

Climbing irons. (USA pattern short spikes found to be most satisfactory).

Safety belt.

Aldis lamp.

Cable layers (Japanese).

(2)

Suggestions:-

- (i) That Signal Platoon M G Battalion War Establishment be increased. The rate of sickness and casualties and detachment of personnel as LOB and to attend schools and courses does not permit smoothness of organisation. Since Company Commanders are faced with the same problems of personnel, it is not always possible to detach orderlies, whether trained in signal work or not, to the signal platoon.

That operators (Trade Group I) be included on the War Establishment of M G and Infantry Battalions to ensure a higher standard of Fullerphone work and to promote more confidence in the use of this type of communication between unit commanders.

Suggested increased establishment for a M G Battalion (Signal Platoon) is as follows:-

Pl HQ	Lieutenant	I
	Serjeant	I
	Operators (T/Gp I)	3
	Signallers	6
	Driver-Mechanic	I
	Batman-Driver	I

Four Sections (Each)	Corporal	I
	Signallers	5
	Driver M T	I

Total personnel:-

Officers	I
O Rs	40

- (ii) That a jeep fitted for signal work be added to vehicle establishment of the signal platoon, and fitted with:-
Small extension ladder attached to side.
Cable layer
Side spewer
Wireless mountings
- (iii) A linesman phone with magneto ring and cable piercing terminals, and fitted into a standard size basic pouch, be developed. A makeshift phone of this type has proved most satisfactory within this unit.
- (iv) Cable layer (Aust pattern) Mk 6 (with 3/I gearing) be on immediate issue to signal platoons.
- (v) A light assault cable, twisted after Japanese pattern, be issued. This would obviate induction, especially from Artillery O P lines.
- (vi) That all units tag their lines in the jungle every 200 yards and at crossings etc. Colored and/or patterned adhesive tape would be of assistance as it would save time and weight as well as providing uniformity.
- (vii) That a full instrument maintenance kit be issued.
- (viii) That 3 switchboards 6 line U C be issued in lieu of 2 switchboards 10 line U C.
- (ix) That a protection frame, 6 lines direct, with firm clamping screws and light wire connections for U C board be developed, in lieu of existing D and P frames, snakes etc, and issued to M G and infantry battalions.

(5)

Deductions.

- (i) Line forms the basis of communications in the jungle together with wireless and lamp.
- (ii) Alternate routes of communication are absolutely essential

(11)/

- (iii) Greater use should be made of marine cable when advancing along a coastline.
- (iv) Transport is essential for all signal platoon sections or detachments.

5. MEDICAL

Medical throughout were not satisfactory. In the early stages it was difficult to obtain any supplies, and although this improved considerably later, the problem of evacuation from forward areas remained.

The MG Bn establishment of medical personnel is inadequate, see suggestions, para 7 (b)(ii).

The physical strain on all men was most apparent after a few months in this climate and anyone with the slightest disability, soon became a casualty. This was particularly noticeable in men returning from hospital after fever.

Men must be young and 100% fit to stand up to these conditions.

6. GENERAL

(a) Spare parts and gun stores in excess of W E were carried at all times. This enabled replacements to be made with minimum delay and was helpful to ADOS.

(b) Stoppages were very few, the majority being caused by badly filled belts. Lock springs and firing pins were the only breakages of any consequence, and these were not serious. One interesting breakdown, which occurred on two guns, was caused by the sliding valve sticking when the guns were being fired at an acute angle of depression, thus allowing the water to boil off the rear end of the barrel, where it bulged.

(c) If possible during an advance, two men per section should be left free from carrying stores. They are then available for relief carrying and also for protection of the party.

(d) After prolonged firing it was found that the Blast Eliminators built up a certain amount of unburnt gasses, which would explode from time to time, throwing out a tongue of flame about two feet.

(e) MMG personnel on occasions went on patrol. It is essential if this is done that a Bren gun be carried. It is also preferable for each section to have a Bren when in defence as infantry protection is frequently light.

(f) Amenities.

It is suggested that an adequate supply of letter cards be made available. They are most convenient from all points of view and it seems odd, that although there appears to be an adequate supply of them on the mainland, troops in forward areas, where letter cards would be most useful, are unable to obtain them.

Playing cards are the best "games" with which to supply the troop being always popular. An issue of good reading material would also be appreciated. Petrol lighters purchaseable from the canteen would be most useful, they could possibly be made an Ordnance issue on a limited scale. Matches are useless.

(g) If rounds are loose in belts, it was found that approximately a quarter of a gallon of water poured into the liner 5 minutes before use, tightened the belt and no stoppages occurred.

(h) The promotion of one cook per company to the rank of serjeant, created bitter feeling and it certainly seems a pity that such generous promotion should be given to non-combatant personnel, whilst there has not been one increase in the NCO establishment of fighting men. It must be realised that MG personnel are frequently widely separated and it is therefore impossible for Sjt cooks to supervise the work of the other cooks in his company, even if they were capable of so doing, which in our

/experience

our/ experience they seldom are. A man may be an excellent cook but a useless NCO or vice versa. The previous establishment was quite satisfactory and if there are any promotions available, we would prefer to give them to the fighting men. See para 7(b)(iii).

7. SUGGESTIONS

(a) General

The following suggestions are made, not with any hope that something may be done to rectify the various apparent difficulties, but rather that those who have to fight under similar conditions may know what to expect.

Suggested that:-

- (i) Small collapsible primus (petrol burning) and to fit utility pouch. "Canned heat" is bulky and uneconomical - equivalent weight and bulk of petrol produces far more B.T.U.s.
- (ii) Yukon Packs be issued for carrying of all gun stores and ammunition. (See M.G.O. Equipment Memorandum No 8 para 3I).
- X ✓ (iii) Better heat resisting oil necessary for machine guns. Present issue runs like water when really hot.
- (iv) Ammunition box cradles (collapsible) on all guns to permit of free swinging traverse. (See Appx "A").
- (v) Small pencil type electric torches, with remote control, capable of being fixed to bayonet slot as aiming lamp. The present Box Night aiming, is too bulky and fragile. Aiming posts are unnecessary as stud on bayonet gives a good aiming mark.
- (vi) That better type condenser cans, with recessed handles, be issued. Present can sheds handles and breaks seams easily. IMPORTANT. Possibly collapsible canvas containers would be suitable. If water is readily available in area they may be carried collapsed. This would save an immense amount of trouble.
- X ✓ (vii) Better type ammunition box liners be developed. Present liners frequently have broken seams thus damaging the ammunition. Carrying straps rot and break. They should be chemically treated to prevent this.
- X (viii) Water proof covers for guns, rangefinders and binoculars be issued.
- X ✓ (ix) A trenching tool similar to the Japanese pattern be issued. This would be much better than the issue pick and shovel.
- (x) Large Basic pouches, two per sub-section for carrying spare parts, be issued in lieu of spare parts case. Essential parts:- Feed Block, Lock, Hammer, Combination tool, Screw driver and assorted small parts.
- 12/12 ✓ (xi) Ground sheet, rectangle, 7.6" X 4 ft be issued. Present cape type is most unsuitable.
- X (xii) New type Slide rule be issued, similar to Mk viii. Gane rules split, become jammed and white ants eat them.
- (xiii) Electric torches and watches must be made more available. Throughout this operation not one torch was issued from Ordnance and the limited supply of watches, which are not nearly robust enough to stand up to these conditions, were unable to be repaired owing to inability of workshops to execute same.

Mk 11 (1) be issued

(b) Establishment

Suggested amendments to establishments are as follow:-

(i) For Jungle conditions, M T on the following scale:-

Bn HQ	2 Trucks 4x4	1/4 ton
Five Coys (each)	4 " " " "	" with trailers (1 per platoon 1 Coy HQ)

(ii) Addition of 1 Sjt to list of AAMC attached, for anti-malarial control duties.

That the establishment of stretcher bearers include four corporals instead of one as at present. That all stretcher bearers and AAMC personnel be trade grouped in order to encourage men to take on this arduous task and thus also increase efficiency. The additional corporals are necessary in a M G Battalion as control is then assured when detached to widely dispersed companys.

(iii) That the establishment of AACC personnel attached be as follows:-

WO1 (Caterer)	1
Serjeants	1
Corporals	5
Privates	15
(Trade group II)	

8. CONCLUSION

(a) During the early part of the campaign the unit was used exclusively for labor, mainly unloading ships. This was heart and back breaking work, but the lads "got into it" with a will and earned themselves a high reputation both for work and honesty during this period.

(b) The HQ, being usually divorced from most of its companys^{It}, but having the necessary administrative organisation, was frequently used to command Composite Forces with which to fill the gaps over long fronts when insufficient infantry were available to accomplish the task.

(c) MMGs, for beach and Division Maintenance Area defence, proved most useful.

(d) It is hoped that this battalion has acquitted itself in such a way during the recent operations, that the question of the wisdom of including a Machine Gun Battalion on the Establishment of the Jungle Division, will never again be raised.

Lt Col.
(E MACARTHUR-ONSLOW)
C O 2/2 Aust M GBn

PART II - SUPPLEMENTARY REPORT

1. Further to my 79/26/44 of 22 Jan. 44, I now submit a Supplementary Report, covering a further phase of the operations, together with detailed suggestions to increase the Machine Gun Battalion's efficiency under jungle conditions. Some of the subject matter was covered in the previous report, but fuller details are now available and are appended.
2. Use of Tracer: In giving direct support to an attack, at a range of 1,400 yds. the use of tracer -- in a 1 in 5 concentration - fired from the flank gun was found most effective. The leading infantry, by visual sig., indicates to the MG Pl when to switch. By this method the closest possible support was obtained, which was greatly appreciated by the infantry. It was found that guns firing tracer tended to get very hot, and the water level had to be carefully watched.
3. Timed Programmes: Most unsatisfactory results were obtained from Timed Programmes. On one occasion when guns were ordered to fire from Z to Z plus 15, the infantry did not come into the target area until Z plus 210. Thus all effect from support was lost. It was generally found impossible for the infantry to give exact timings, owing to the difficult nature of the terrain, etc.
4. Carriage of Guns, Stores, Etc.: During the rapid advance up the coast from FORTIFICATION POINT, much difficulty was experienced in keeping MMGs sufficiently far forward. The men had to march carrying anything up to 80 lbs., including personal gear, arms, and MG stores. The distances covered varied from 4,500 yds to 10,500 yds., measured on the map, though the actual distance covered would have been much greater. The average was 6-7,000 yds. a day, with a day's spell in between. The casualties from fatigue for the Coy. engaged in this operation were 50 per cent during four weeks. Towards the latter end it was found only possible to carry 3 - 4 belts per gun and keep up with the infantry. Normally we tried to keep not less than 6 belts forward with the gun and 8 - 10 belts at jeephead, as far forward as possible. This was found in all instances to be sufficient. The balance of the ammunition was "jeeped" up as close as possible. It was found necessary at one stage to reinforce the MG Coy with HQ personnel. This method proved satisfactory, but emphasized the need for a small reinforcement pool to be carried by Bn. One jeep and trailer ppr Pl. to move in FRONT of the men, so that in the event of MT being unable to proceed, all stores may be manhandled, is considered essential.
5. Modifications of Stores to meet jungle conditions is contained elsewhere in this Report.

Lt-Col.

(E. Macarthur Onslow)
(C.O., 2/2 Aust. MG Bn)

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A MACHINE GUN BATTALION

Consisting of -

Battalion Headquarters

Headquarter company of-

Company Headquarters

No 1 (signal) platoon

No 2 (AALMG) platoon

No 3 (Administrative) platoon

Four machine gun companies

each of -

Company Headquarters

Three platoons, each of-

Platoon Headquarters

Two Sections

Total, medium machine guns 48

WAR ESTABLISHMENT
(Jungle-Provisional)

---ooOOoo---

EXPLANATORY STATEMENT

(Particulars under G.R.O. G97/1945)

1. A Machine Gun Battalion - War Establishment (Jungle scale)

2. New.

3. "

4. "

5. "

6. As the attached is considered to be a New Establishment the following is not really comparative:-

COMPARATIVE STATEMENT FOR AMENDMENTS TO W.E. FOR 2/2 AUST MG BN
(G.R.O. G97/43)

W.E. No	Unit	PERSONNEL								TRANSPORT					
		Existing		Proposed		Increase		Decrease		Type					
		Offrs	ORs	Offrs	ORs	Offrs	ORs	Offrs	ORs						
NEW	A MACHINE GUN BATTALION	30	690	31	672	1	-	-	-	18	Includes all vehs at present shown on W.E.				
											Trucks $\frac{1}{2}$ ton 4 x 4	-	26	26	-
											Trailers (light)	-	24	24	-
											Trailers (water)	-	2	2	-

NOTE:- Decrease of L.A.D. complete.

7. As the attached is considered to be a New Establishment the following is ^{not} really comparative :-

Upgrading as compared with W.E. No 111/62/1 -

- 1 Padre
- 1 Sjt (Int.)
- 12 Sjts.
- 1 Cpl (Int)
- 4 Cpls (S.B.)
- 1 Cpl (Sig)
- 1 Sjt (i/c offr mess)
- 4 Int Duties
- 2 Signallers
- 1 Signwriter

Attached	
Up - A.E.M.E.	- 1 WO
	- 1 mech (Instrument)
A.A.C.C.	- 7 cooks

Down- A.E.M.E.	- 1 Cfn (P.G. 1)
	- 2 Mechs MV (TG 11)
A.A.C.C.	- 4 Sjts

Downgrading as compared with W.E. No 111/62/1 -

- 12 Corporals
- 1 Bricklayer
- 15 Dvr Mechs
- 3 Cpls (Transport)

8.

9. To enable A MACHINE GUN BATTALION to function efficiently under jungle conditions. The above establishment has been treated as NEW, rather than as an amendment to the original No 111/62/1. The role of the Machine Gun Battalion remains the same. Under normal conditions, when the use of M.T. is practicable, the Machine Gun Establishment (No 111/62/1) requires few alterations, though some of the suggestions put forward in the attached proposed Jungle Establishment would, in our opinion, be beneficial. As the Machine Gun Battalion was originally designed as a fully motorised unit, it is obvious that many major changes must be made, to fit it for jungle fighting, where the use of transport is impossible. The main alterations in the Jungle Establishment of a Machine Gun Battalion are :-

- (a) Padre.- A Padre has been included -one has always been attached. This merely legalises his presence.
- (b) Intelligence ~~Sec~~ A small Intelligence Section has been added for the following reasons :-

SUGGESTED AMENDMENT TO ESTABLISHMENT
- INTELLIGENCE -

- 1. Present Establishment - One Officer.
- 2. Only a very small proportion of essential work can be effectively carried out on old establishment.
- 3. Before, and especially after the campaign in the Desert, an increase to the Establishment of a Machine Gun Battalion Intelligence Section was strongly advocated by this Unit. In SYRIA the NINTH ARMY agreed to the need for it.
- 4. During the past two and a half years (2 $\frac{1}{2}$) this unit has carried, surplus to establishment one Intelligence Cpl, and one Cpl Draughtsman.
- 5. Recent operations in NEW GUINEA have provided still further evidence for the need of an increased establishment.
- 6. (a) With the assistance of an Int Cpl and Cpl Draughtsman, who are at present surplus to establishment, it is possible to cover many of the more important phases of Intelligence. Still quite a number are of necessity, deleted.
- (b) During operations three coys are almost invariably detached, either under cond or in support Bdes. It is essential for the C.O. to be fully informed of all these Coys activities, and for this he has to rely on Coy Comds reports and personal liason by himself & the I.O.;

Intelligence (contd)

6. (b) (contd)

Both of whom can spare only a limited amount of time on these duties, while Coy Comds are fully occupied administering comd of their Coys. A specially trained Intelligence Section would greatly alleviate this situation.

- (c) A Machine Gun Battalion is normally directly under Comd Division, and it is often desirable for the I.O. to contact the Div I.O. When the Unit I.O. is otherwise engaged, (as is very often the case) there is nobody to deputise for him.
- (d) It is also unsatisfactory from all points of view, that the responsibility for taking care of MOST SECRET and SECRET documents should entirely fall upon the I.O. who has no assistance whatsoever.
- (e) On a number of occasions, in the Desert and NEW GUINEA, a COMPOSITE FORCE the equivalent or more in strength to an Inf Bn, has been under comd this Bn., while at the same time three Coys have been detached. These periods demand additional Intelligence Staff.
- (f) Numerous patrols have been carried out by Machine Gun Coys (detached) and sub units under comd. Often covering entirely new terrain. The services of an adequate Int Sec for this and similar work would be invaluable.
- (g) Coys detached deal direct with Bde, who constantly need traces and fire plans. At the same time Div often require detailed information from the Bn I.O. concerning these Coys, also including traces and fire plans, which the Bde "I" staff cannot supply. Here again a man with training in sketching is required to be available to Coys and Bn.

9. (c) Signallers - It has been found imperative to have efficient signal communication within the Bn and Coys. This, with the present establishment is difficult. Sigs must be allotted to Coys when detached operationally. Coys must in turn allot Sigs to Pls. Thus the minimum number per Coy is five, incl one Cpl. AT THE SAME TIME Bn HQ has its own communications to attend to, and these are frequently extensive, when, as so often happens, this HQ is given a composite force, sometimes 6-700 strong, to command. On one occasion during recent ops there were 33 lines attached to the Bn switchboard. The length of line to be serviced was also great.

(d) Signwriter:- There is need at all times for a signwriter within the Unit. nothing looks more untidy, or is more conducive to slovenliness than badly made signs. Every HQ must be clearly & neatly marked.

(e) Stretcher Bearers :-

As stated above Coys when operationally engaged, are invariably divorced from Bn, they must be fully self-contained medically, as well as every other way. To achieve this the minimum allotment of four per Coy, incl one Cpl, is necessary. The term stretcher bearer no longer indicates the function of these men, they are fully trained first-aid men - the bearing of stretchers, when it is to be done, is done by anyone who is available. The present Coy stretcher-bearer is a specialist of no mean order, well capable of saving a wounded man's life and preventing un-necessary casualties through sickness. We strongly recommend that these men receive specialist pay. It is indeed odd that a man skilled at repairing guns & MP should be specialists, while those who are skilled at repairing soldiers are not.

(f) Officers Mess Corporal :-

With the ever increasing volume of book work necessary to run an Officers Mess, it is essential to have someone personally in charge of it. A part-time secretary, owing to his regimental duties is incapable of doing it. The Mess is served by batmen, notoriously difficult to control, the corporal will be i/c batmen and ensure that the work is done efficiently and that there is an equitable distribution. When the Unit moves the corporal will be responsible for packing Mess property and minimising breakage, which is always a great problem within a mobile unit. A well run Officers Mess is the first step in creation of unity within the unit. Unity is essential.

9. (c) Drivers - The reduction in drivers corresponds to the reduction in MT.

(b) Sergeants - In the present Establishment one Sec is commanded by a Sjt and the other by a Cpl. Frequently in Defensive Ops the Pl is split and sections operate independ only, both sec coms have equal responsibility. The Section Comd is a hard and responsible job, warranting the rank.

(1) A.E.M.E. (attached)

With the reduction in MT the need for a L.A.D. vanishes. In its stead a small AEME Group is attached to HQ Coy. The only actual additions involved are a W.O. (ii) to command the group and advise the C.O. in all matters pertaining to EME, and an Instrument mechanic, for the repair and maintenance of all optical and precision instruments on charge to the unit.

(j) A.A.C.C. (attached)

The slight increase in personnel is proposed to enable an equitable split up to be made to Coys & Pls, when operationally engaged. It has been decided on the basis of one WO(ii) and one Sjt on HQ Coy to supervise and instruct. -

One Cpl & three cooks per Coy,
One cook for Officers Mess.
One cook for Sergeants Mess.

(k) Transport

Jeeps and trailers, when available, have proved eminently suitable for the transport of Machine Gun stores and ammunition under the most difficult conditions. The proposed scale is based on the principles of one jeep and trailer per MG Pl and Coy HQ, and sufficient on Bn HQ & HQ Coy to make the unit as mobile as possible with the minimum of transport. One jeep and trailer can carry a MG Pl's complete stores and amm, thus enabling the men to move at the same pace as the Inf - always providing that the use of MT is practicable.

(l) General:

All other changes appear to be self explanatory. Should this Establishment, or any modification of it be accepted, many alterations will be necessary to the W.E.T. Proposed modifications & suggestions for certain equipment have been submitted by this unit and it is hoped that alterations are being made these will receive consideration.

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A Machine Gun Battalion

(1) Summary of Ranks

War Establishment
(Provisions-Jungle)

Detail	Headquarters Company						Four Machine-Gun Companies (each)					Total Machine Gun Battalion
	Battalion Headquarters	Company Headquarters	No. 1 (Signal) Platoon	No. 2 (AA IMG) Platoon	No. 3 (Admin) Platoon	Total Headquarters Company	Company Headquarters	PL Headquarters	Two Secs	Total Platoon	Total Machine Gun Company	
Lieut-Colonel	1	1	1	1	1	5	1	1	1	1	5	1
Majors	1	1	1	1	1	5	1	1	1	1	5	1
Majors or Captains (a)	1	1	1	1	1	5	1	1	1	1	5	5(a)
Captains	1	1	1	1	1	5	1	1	1	1	5	4
Captain (Adjutant)	1	1	1	1	1	5	1	1	1	1	5	1
Captain (Quartermaster)	1	1	1	1	1	5	1	1	1	1	5	1
Lieutenant (Intelligence Offr)	1	1	1	1	1	5	1	1	1	1	5	1
Lieutenant (Administrative ")	1	1	1	1	1	5	1	1	1	1	5	1
Lieutenants	1	1	1	1	1	5	1	1	1	1	5	14
Total Officers	4	1	1	1	2	5	2	1	1	1	5	29
Regimental Serjeant-Major (Warrant Officer Class 1)	1	-	-	-	-	-	-	-	-	-	-	1
Regimental Quartermaster	-	-	-	-	-	-	-	-	-	-	-	-
Serjeant (Warrant Offr Class 11)	-	-	-	-	1	1	-	-	-	-	-	1
Company Serjeant-Majors (Warrant Officers Class 11)	-	-	-	-	-	1	1	-	-	-	1	5
Total Warrant Officers	1	1	-	-	1	2	1	-	-	-	1	7
Company Quartermaster	-	1	-	-	-	1	1	-	-	-	1	5
Serjeants	(b) 2	1	1	1	1	5	1	1	1	1	5	2(b)
Orderly Room Serjeants	2	1	1	1	1	5	1	1	1	1	5	1
Intelligence Serjeants	1	1	1	1	1	5	1	1	1	1	5	1
Pioneer Serjeant	1	1	1	1	1	5	1	1	1	1	5	1
Provost Serjeant	1	1	1	1	1	5	1	1	1	1	5	1
Transport Serjeant	1	1	1	1	1	5	1	1	1	1	5	1
Serjeant i/c Stretcher Bearers	1	1	1	1	1	5	1	1	1	1	5	1
Serjeant Technical Storeman	1	1	1	1	1	5	1	1	1	1	5	1
Serjeant Tailor	1	1	1	1	1	5	1	1	1	1	5	1
Serjeants	1	1	1	1	1	5	1	1	1	1	5	38
Total Staff Serjeants & Serjeants	5	1	1	1	4	7	1	1	2	3	10	52
Corporals	6	1	5	1	5	12	1	1	2	2	7	46
Privates	35	3	29	15	29	76	11	3	28	31	104	527
Total Rank & File	41	4	34	16	34	88	12	3	30	33	111	573
Total Other Ranks	47	6	35	17	39	97	14	4	32	36	122	632
Total All Ranks	51	7	36	18	41	102	16	5	32	37	127	661

Detail	Headquarters Company						Four Machine Gun Companies (each)						Total Battalion
	Battalion Headquarters	Company Headquarters	Signal Platoon	Anti-Aircraft Platoon	Admin. Platoon	Total Headquarters Company	Three Pls (each)			Total Company			
							Company Headquarters	Platoon Headquarters	Two Sections		Total Platoon		
<u>ATTACHED -</u>													
<u>AAMC</u> Captain	1	1	1	1	1	1	1	1	1	1	1	1	
Serjeant	1	1	1	1	1	1	1	1	1	1	1	1	
Serjeant (Hygiene Inspector)	1	1	1	1	1	1	1	1	1	1	1	1	
<u>AAOC</u> (h)													
Shoemaker (Cpl)	1	1	1	1	1	1	1	1	1	1	1	1	
<u>AEME</u>													
Warrant Officer Class 11(i/c AEME Gp)	1	1	1	1	1	1	1	1	1	1	1	1	
Armourer Serjeant	1	1	1	1	1	1	1	1	1	1	1	1	
<u>Fitters MV</u>													
Serjeants	2	2	2	2	2(c)	2	2	2	2	2	2	2(c)	
Corporals	1	1	1	1	1	1	1	1	1	1	1	1	
Craftsmen (T.G.1)	2	2	2	2	2	2	2	2	2	2	2	2	
Mechanic (Instrument) (TG 1)	1	1	1	1	1	1	1	1	1	1	1	1	
Mechanics MV (T.G. 11)	2	2	2	2	2	2	2	2	2	2	2	2	
<u>AACC</u>													
Warrant Officer (Class 11)	1	1	1	1	1	1	1	1	1	1	1	1	
Serjeant	1	1	1	1	1	1	1	1	1	1	1	1	
Corporals	5	5	5	5	5	5	5	5	5	5	5	5	
Privates (T.G.11)	17	17	17	17	17	17	17	17	17	17	17	17	
<u>AAPC</u>													
Serjeant	1	1	1	1	1	1	1	1	1	1	1	1	
<u>AA POST G</u>													
Serjeant	1	1	1	1	1	1	1	1	1	1	1	1	
<u>AA CH D</u>													
Chaplain 4th Class	1	1	1	1	1	1	1	1	1	1	1	1	
Total all Ranks including attached	52	7	36	18	77	138	16	5	32	37	127	702	

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(ii) Distribution of Rank & File War Establishment
by Trades and Duties. (Provisional-Jungle)

Detail	Headquarters Company					Four Machine-Gun Co (each)							Total Battalion
	Battalion Headquarters	Company Headquarters	Signal Platoon	A.A. Platoon	Admin. Platoon	Total H.Q. Company	Company Headquarters	Three platoons (each)			Total Pl	Total Company	
								Pl	Head-quarters	Two Secs			
<u>Trade Group 11</u>													
Carpenters	-	-	-	-	2(a)	2	-	-	-	-	-	-	-
Intelligence Duties	5(a)	-	-	-	-	-	-	-	-	-	-	-	-
Signallers	-	-	30(e)	-	-	30	-	-	-	-	-	-	-
Signwriter	-	-	-	-	1	1	-	-	-	-	-	-	-
<u>Trade Group 111</u>													
Butcher	-	-	-	-	1	1	-	-	-	-	-	-	-
Clerks	3(a)	1(a)	-	-	2(a)	3	1(a)	-	-	-	-	-	-
Driver Mechanics	1	-	-	-	-	-	-	-	-	-	-	-	-
Equipment Repairer	-	-	-	-	1	1	-	-	-	-	-	-	-
Range takers	-	-	-	-	-	-	-	-	-	2	2	6	24
Tailor	-	-	-	-	1 (a)	1	-	-	-	-	-	-	1
Technical Storeman	-	-	-	-	2	2	1	-	-	-	-	1	6
<u>Non-Specialists</u>													
Transport Corporal	-	-	-	-	1	1	-	-	-	-	-	-	1
Anti-Aircraft Detachments	-	-	-	13(d)	-	13	-	-	-	-	-	-	13
Ammunition Numbers	-	-	-	-	-	-	2	-	-	-	-	2	8
Batmen	7	1	1	1	2	5	2	1	-	-	1	5	32
Drivers 17	2	1	1	-	10	12	1	1	-	-	1	4	30
<u>General Dutymen</u>													
Officers Mess	-	-	-	-	2(d)	2	-	-	-	-	-	-	2
Serjeants Mess	-	-	-	-	2	2	-	-	-	-	-	-	2
Hygiene Dutymen	-	-	-	-	2	2	1(i)	-	-	-	-	1	6
Machine Gun Detachments	-	-	-	-	-	-	-	-	-	26	26	78	312(f)
Orderlies	-	-	2	2	1	5	2	1	-	2	3	11	49
Regimental Police	3	-	-	-	-	-	-	-	-	-	-	-	3
Storeman	-	1	-	-	2	3	1	-	-	-	-	1	7
Stretcher-Bearers	20(g)	-	-	-	-	-	-	-	-	-	-	-	20
Water Dutymen	-	-	-	-	2	2	-	-	-	-	-	-	2
Total Rank and File	41	4	36	16	34	88	12	3	30	33	111	573	

Detail	Headquarters Company				Four Machine Gun Companies (each)								
					Three platoons (each)								
Trucks $\frac{1}{2}$ ton 4x4	2	1	1	-	6	8	1	1	1	1	1	1	26
Trailers (light)	2	1	1	-	4	6	1	1	1	1	1	1	24
Trailers (water)	-	-	-	-	2	2	-	-	-	-	-	-	2

(iv) Tables of Weapons & Ammunition

Detail	Number	Ammunition and Rounds		
		on man or with gun	Reserve	Total
Pistols .38 inch	(j) 161	12	726	2670
attached R.M.G.	1			
Rifles .303 inch	370	20	3700	11100
Sub-Machine Gun 9 mm	128	100	12800	25600
M.M.Gs .303 inch	48	1500	96000	168000
L.M.Gs .303 "	26	500	26000	39000
Pistol Signal	(k) 12	-	-	12
Grenades	-	-	(k) 180	180

NOTES

- (a) Two companies will be commanded by Majors and the remainder by Captains
- (b) One will be attached to L of C Area Records Office. The NCO selected for this appointment may be medically fit, class B
- (c) One is to be trained as an armourer
- (d) Includes or is a corporal
- (e) Includes five corporals
- (f) Includes twenty-four corporals. Both sections are commanded by sergeants with one corporal a section corporal
- (g) Includes four corporals
- (h) In each company one man will be trained to repair boots.
- (i) To be trained in water duties.
- (j) Officers, R.S.M., certain Signals personnel, Bron gunners, Regimental Police Range Takers and Nos 1 and 2 of machine gun detachments are armed with pistols.
- (k) Allotted as required.

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Notes on First Reinforcements and Attached

Details left at Base -

Orderly Room Serjeant

1 (attached to L of C Area
Records Office)

First Reinforcements

Lieutenants	-	5
Serjeants	-	4
Rank & File (incl 3 Corporals)	-	60
Includes		
Signallers (T.G. 11)	-	2
Clerk (T.G. 111)	-	1
Range Takers (T.G. 111)	-	2
Stretcher-Bearers	-	2
Total		<u>69</u>

N.B. There is no L.A.D. attached.

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WAR EQUIPMENT TABLE

IV

RECOMMENDATIONS FOR INCREASES AND DECREASES

UNIT 2/2 AUST MG BN BASED ON STRENGTH 30 Offrs 685 O.R's
 For items marked (X.1) etc see appendix
 For items marked (x) see main report

Sheet 1. of 3

Sec	Designation	Present Est	Suggested		NEW EST
			Increase	Decrease	
A.1.	Attachments Brace WE Patt '37	360	-	360	Nil ✓
	Carriers Cartridge " " "	16	-	16	Nil ✓
	Cases Binoculars " " "	72	6	-	78 ✓
	Cases Pistol Signal	24	-	24	Nil ✓
	Covers Breech Rifle A/Tk	18	-	18	Nil ✓
	" Muzzle " "	18	-	18	Nil ✓
	Covers Camouflage Helmet Steel	73	-	73	Nil ✓
	Pockets Compass WE Patt '37	42	28	-	70 ✓
(X.1)	Pouches Basic " " "	1054	376	-	1430 ✓
(X.2)	Pouches Basic Large AUST Patt	-	52	-	52 ✓
	(For Bren-dispenses with pouches utility front & rear & yokes; (can fit on regular webbing in place of pouches basic when Brens (are in use.)				
(X.2)	Pouches Basic Large AUST Patt	-	48	-	48 ✓
	(In lieu of cases spare parts leather for VMG's -ref Sec C.1)				
	Pouches Utility Front (for Bren)	52	-	52	Nil ✓
	Pouches " " (For A/Tk)	36	-	36	Nil ✓
	Pouches " Rear (for Bren)	52	-	52	Nil ✓
	Pouches " " (for A/Tk)	36	-	36	Nil ✓
	Slings Bren Gun	13	13	13	Nil 26 ✓
	Slings Rifle Web (for Mtgs Bren)	26	-	26	Nil ✓
	Yokes (for Bren)	52	-	52	Nil ✓
	Yokes (for A/Tk)	36	-	36	Nil ✓
(X.3)	Bottles Water (increase for gun oil)	715	48	-	763 ✓
<u>A.2</u>	Anti-Gas stores-NOT used in campaign in NEW GUINEA				
<u>B.1</u>	Pistols Signal No.1 Mk.111 ^x	24	-	12	12 ✓
(X.4)	Rifles Boys T/A	18	-	18	Nil ✓
<u>B.2</u>	Boxes Magazine Rifle Boys	18	-	18	Nil ✓
	Brushes Bristle " "	18	-	18	Nil ✓
	Cases Rifle Boys	18	-	18	Nil ✓
	Magazines Rifles Boys	144	-	144	Nil ✓
	Protectors Muzzle	20	-	20	Nil ✓
	Rods Cleaning Rifle Boys	18	-	18	Nil ✓
	Tools Combination Rifle Boys	18	-	18	Nil ✓
	Magazines Guns sub machine Owen	1220	-	366	854 ✓
	(As per Div instruction; reduced to 7 per gun) <i>6 per gun</i>				
<u>C.1</u>	Boxes Magazine Bren .303in	26	-	-	26 ✓
	Brushes rod cleaning cylinder Bren	13	13	-	26 ✓
	Chests Bren	13	13	-	26 ✓
	Equipments Bren 100rd Magazine	13	(Is alternative to mags 30 rd (for A/A purposes)		
(X.5)	Guns machine Bren .303in	13	13	-	26 ✓
	" " " " Barrels Spare	13	13	-	26 ✓
	Springs Return Bren	13	13	-	26 ✓
	Holdalls Bren	13	13	-	26 ✓
	(Alternative to Chests Bren but recommend both)				
	Magazines Bren .303in 30 rds	325	-	47	208 ✓
	(8 per gun)				
	Mops Rod Cleaning Cylinder Bren	13	13	-	26 ✓
	Mountings Tripod Bren	13	-	13	Nil ✓
	Rods Cleaning Cylinder Bren	13	13	-	26 ✓
	" " .303inMG (for Bren)	13	13	-	26 ✓
	Wallets Spare parts Bren (filled)	13	13	-	26 ✓

2/2 AUST MG BN

Sec	Designation	Present Est	Suggested		NEW Est
			Increase	Decrease	
C.1 (Continued)					
	vickers Machine Gun .303in.				
(X.6)	Belts .303in 250rds	192	-	96	96 ✓
(X.6)	Boxes Belt	192	-	96	96 ✓
	(Above items for traing purposes only, to be returned when (unit commences operational roll.)				
	Brackets Dial Sight(With DialSight)	48			(Alternative to Clinometer and associate stores) 72 ✓ 48 ✓
(x)(X.7)	Cans Condenser Steam	72	-	24	48 ✓
	(suggest canvas in lieu of normal type)				
	Cans Half Pint (To be replaced)	48	-	48	- ✓
	" Oil MG (by water bottles)	48	-	48	- ✓
(x)(X.8)	Cases S.P.& Tools (falled)				(Suggest leather case be disposed with and Pouches basic large AUST Patt substituted, see Sec A.1.) ✓
	Fillers Cans Condensers	48			(If canvas bag to replace Cans, ✓
	Clips Fillers	48			(these can be dispensed with. ✓
	Screws Clips Fillers	48			(Reqd if canvas not adopted) ✓
	Foresights bar deflection	48			Alternative to Dial sight and Bracket. ✓
(x)(X.9)	Lamps, aiming MG Mk111 Sets	48	-	48	Nil ✓
(X.10)	Posts Aiming MG	48	-	48	Nil ✓
	Plugs Belt MG Mk.1	24			(If stripless MkV11 used (suggest these be deleted) ✓
	Sights Night Back VMG	48			(With clinometer & associate ✓
	" " Fore VMG	48			(stores alternative to Sights (Dial and Brackets) ✓
<u>E.3</u>	Apparatus Camouflage - NOT used in this campaign by this Unit, delete. ✓				
<u>H.1</u>	Containers, Tin 2 gall.(for oil)	8			(oil recd in containers) Nil ✓
<u>H.2</u>	Cotton Waste coloured(for A/G)ozs	1074			(If A/G stores deleted this item also to be deleted) ✓
<u>H.4</u>	Sacks paper gasproof	199			As above ✓
<u>J.1</u>	(x)(X.11)				
	Sheets ground MkV111	715	-	-	715 ✓
	(suggest larger and lighter type be recommended)				
	Spades Mk111	16	-	16	Nil ✓
	Shovels G.S.	112	16	-	128 ✓
<u>J.2</u>	Insulators containers cooking	31	-	31	3/Nil ✓
	Pans frynig rectangular	31	-	10	20 21 ✓
	Stands Cooking AUST	31	-	10	20 21 ✓
	Stoves Camp portable(Fowler)	10	-	40	1/Nil ✓
	(Too heavy for limited tpt facilities)				
<u>K.</u>	Brushes water carriage	43	-	43	Nil ✓
	Cleavers 2ft-1in	5	-	5	Nil ✓
	Forks Flesh	21	-	21	Nil ✓
	Forks Carving (Not on WE)	-	42	-	21 42 ✓
	Implements Butchers Case(filled)	5	-	4	5 ✓
	Holdalls "	5	-	5	Nil ✓
	Knives Cooks 6-in	10	-	10	Nil ✓
	" " 9-in	10	32	-	41 42 ✓
	" " 12-in	5	-	5	Nil ✓
	" Opening Tin	20	22	-	42 ✓
	Ladles Cooks	5	16	-	21 ✓
	Machines Mincing small AUST	11	-	11	1 Nil ✓
	Spoons Gravy or Serving(Not on WE)	-	42	-	42 ✓
<u>Q.1</u>	To conform with any alterations in establishment of weapons				
<u>Q.2</u>	Luting lead free thick ozs	288			(Patches first aid carried) Nil ✓
<u>T.1</u>	Grenades Hand No.36M.	180	220	-	400 ✓
<u>T.2</u>	Capsules Lachrymatory	73			(For A/G training) ✓

17/10

2/2 AUST MG BN

Sec	Designation	Present Est	Suggested		NEW Est
			Increase	Decrease	
<u>V.5</u>	(X.12) Clinometers V.M.G. .303- mm	48	(Alternative to Sights Dial)		✓
	(Rangefinders No.12	24	2	-	26
	(Cases No.12 R/F	24	2	-	26
	(Frogs Stands Instrument No.14	24	2	-	26
	(Covers No.12 R/F	24	2	-	26
	(Stands Instrument No.14	24	2	-	26
	(Above, suggested increase of 2 is for Bn Pool Pool for				
	(immediate issue for replacements.				
	Sights Dial MG	48	2	-	50
	(Alternative to Clinometers; increase as for Rangefinders etc)				
<u>V.6</u>	Binoculars, Prismatic	72	6	-	78
	(Suggested increase for Bn pool for immediate replacements)				
	Stands, Instruments No.12	12	-	12	Nil
	Telescopes Signalling	12	-	12	Nil
<u>V.2</u>	<i>SPECIAL AUST No 1</i>		30		30
	Cases Map No. 2	141	50		141
	(Vehicle type-not used in M.E. or NEW GUINEA. Retd to ADOS.)				
(X.13)	Compasses, magnetic pocket	24	-	24	Nil
	" Liquid Mk.111	12	58	*	70
	" Prismatic Mk1X	30	-	30	Nil
	(Increase of 4 reqd for Bn pool replacements purpose)				
* (X.14)	Watches G.S.	24	59	-	42 83
<u>W.1</u>	Cutters wire folding	41	-	41	Nil x
	Gloves Wiring prs	50	-	50	Nil x
<u>W.2</u>	Bulbs 2.5 volt "D"	170	-	170	Nil
	Bulbs 3.5 volt "P"	97	228	-	325
	(Increase to replace Bulbs 2.5 volt found unsuitable and for Torches hand for Lamps aiming as below)				
* (X.9)	Lamps Electric No.1 and spare	170	-	170	Nil
	Torches Hand No.1 and spare	Not on WE	170	-	170
	(Torches Hand No.1 (In lieu Lamps Aiming)				
	(Torches Hand No.1 Spare (In lieu Lamps Aiming)				
	(Cells, U.2. for Torches Hand	Not on WE	456	-	456
	(2 per torch and spare)				

Watches

Compasses

<i>One per opp</i>	31	<i>* One per opp and Padre</i>	30
<i>" " PL Sph</i>	12	<i>" " PL Sph</i>	12
<i>" " See Bonds MS</i>	24	<i>" " See Bonds</i>	24
<i>" " W/F Bn Pool</i>	16	<i>MO & H CSMS</i>	6
	83	<i>VRSM</i>	
		<i>Pool</i>	8
			80
			78

* See appendix

APPENDIX
to
RECOMMENDATIONS FOR WAR EQUIPMENT TABLE

Sheet 1 of 2

2/2 AUST MG BN

Sec A.1.

(X.1) POUCHES BASIC WE PATT '37 :

Increase required to equip every man in the unit. It is most useful and makes for uniformity. Eliminates Attachments Brace and Carriers Cartridge.

(X.2) POUCHES BASIC LARGE :

For use with Bren and as Spare Parts Containers-in lieu of Pouches Utility and Cases Spare Parts. This pouch fits normal webbing, and dispensing with special Yoke harness, and is sufficiently large to carry all requirements.

(X.3) BOTTLES WATER :

For use in lieu of Cans Oil for VMG. Possibly a better type of similar container could be issued but the Water bottle is satisfactory and its use for this purpose is strongly recommended.

Sec B.1

(X.4) RIFLES, BOYS, A/Tk :

A useless weapon. We have never had occasion to use it, nor indeed have we ever heard of it being used effectively. It is extremely heavy.

Sec C.1.

(X.5) GUNS MACHINE BREN, .303-in :

Increase to bring allotment up to 5 per M.G. Coy, 4 for A.A. Pl, 2 for Bn HQ. During recent ops Brens were found a most necessary adjunct to the Vickers, especially for jungle def posns and short patrols. Additional Brens to be manned by Boys A/Tk Rifle personnel.

(X.6) BELTS AND BOXES, VMG :

Stripless belt always used in operations -can be easily refilled if necessary. Two belts and boxes per gun, i.e. 96, are necessary for training and it is suggested that these be drawn from Ord when circumstances warrant.

(X.7) CANS CONDENSER STEAM :

To be replaced by canvas type-vide Sec para and appx

(X.8) CASES SPARE PARTS

To be replaced by Pouches Basic Large - vide Sec para

(X.9) LAMPS AIMING :

Replaced by use of Torch with improvised attachment as described in Para Sec of this report.

(X.10) POSTS AIMING AND POSTS ZERO :

These are easily improvised by use of bayonet, stakes, cleaning rods, etc.,

Sec J.1

(X.11) SHEETS GROUND MkV111 :

New type required as per sec para .Dimensions 7'6" x 4'

Sec V.5

(X.12) SECTION V.5 COMPLETE : Increase suggested in light of experience which shows necessity for carrying readily available spares within unit.

MOST IMPORTANT: Dial Sights.-These instruments have not been on issue to the unit since return from the M.E.. They are unquestionably one of the most important pieces of technical equipment carried and it is considered essential that they be issued as soon as possible. Their use simplifies some of our greatest problems, viz -Indirect and Night Firing; vide Sec Para of this report.

APPENDIX
to
RECOMMENDATIONS FOR WAR EQUIPMENT TABLE

Sheet 2 of 2

2/2 AUST MG BN

Sec V.2

(X.13)

COMPASSES :

The issue type pocket compass is utterly useless, being dangerously inaccurate and of flimsy construction.

The Liquid type are by far the best from our point of view and the increase provides for 1 per officer - 3 per platoon. If the full supply of Liquid Compasses are not available the alternative scale of issue suggested is -

Compasses Liquid	32
" Prismatic	38

(X.14)

WATCHES G.S.

The present issue of watches is inadequate both in quantity and quality. The need for a really reliable timepiece in each Section cannot be over emphasised. Usually we have to rely almost entirely on private watches, which, apart from being wrong policy with such essential equipment, is most unsatisfactory. We have no means of repairing watches either through Army or private channels and the result, after fairly lengthy operational period, is that we have few reliable watches functioning. The need for a more and better watches is self evident.

.....Lt.-Col.,
C.O., 2/2 Aust MG Bn.

V. SUGGESTED MODIFIED AND NEW EQUIPMENT

BOTTLES, OIL : Much difficulty has been experienced in keeping an adequate supply of oil up to the gun. The oil containers in the traversing handles are very small and the can carried in the spare Parts Case is an awkward load, also too small. A container similar to a water bottle that may be either slung or attached to the belt proved the best solution, and we suggest that this type of container be substituted for the existing one.

BOXES, AMMUNITION : The tin "liners" of the MkVII Stripless Belt replace the old type Amn Box. They are most satisfactory in design, but the construction of the lighter type--noticeably "Willow"--is faulty. The tin is very liable to damage, and if bent causes faulty feeding of the belt. Also, having no packing inside the "liner", the rounds in the belt frequently work loose and cause gaps in the belt. A small felt pad top and bottom of the liner, and strips of heavy cardboard placed vertically between the bullets, to act as a baffle-plate effect, would overcome this difficulty. The carrying handles, made of light cotton fabric, are too frail. They are often quite rotten, especially in the earlier packed amn. The breaking of these carrying handles is a great inconvenience, and a stronger material for this use is recommended.

BOXES, AMMUNITION, HARNESS FOR CARRYING : Many ideas to facilitate load carrying have been tried, including various types of rucksack and packboard. No marked degree of success has been achieved. The most practical scheme yet tried for carrying Amn Boxes is the harness illustrated in Appx A. This is a general purpose harness, and is most popular with the men. Its issue to units on Jungle Establishment is strongly recommended.

CARRIER BRACKET, AMN BOX : The need for a strong, light, serviceable amn box carrier mounted on the Vickers MMG has long been felt. Many types of carriers have been experimented with, but as most of them are made on the cradle principle, they have always been frail and bulky -- quite unsuitable for any but "fixed" defensive posns. The type illustrated in Appx B seems to fulfil all requirements, being light, compact and portable. The benefits of having the Box fixed to the gun are

- (a) even on rough ground the belt feeds correctly;
- (b) it enables a free, swinging traverse -- an ever-present necessity in this type of warfare-- to be accomplished with the minimum of risk of a cross-feed;
- (c) it relieves the No 2 from constant attention to the belt feed. ~~XXXX~~

This carrier has been given the most severe tests and has proved 100 per cent satisfactory.

CANS, CONDENSER : The present type of Condenser Can is wholly unsatisfactory, being bulky even when carried empty, of weak construction thus springing leaks, and shedding the handle at the least provocation. The canvas type illustrated in Appx C appears to be quite suitable. We have been unable to procure a good quality canvas to really test it, but even made up in light ground sheet material it does the job. It possesses the advantage of being easily carried by means of the "Amn Harness" (vide Appx A), balanced on the other side by an amn box. Carried full in this manner, the men's hands are free, and the load is well distributed. When empty, the "bag" is of no bulk and can be easily attached to the webbing in any convenient place.

COOKERS : Canned Heat is a most unsatisfactory method of cooking. The containers are round, always a bad shape to carry, and bulky. One tin of Canned Heat, except under the most favourable conditions, will boil no more than one quart of water. Experiments with small petrol burning pressure stoves have been successful. Ideal for this purpose is the small, collapsible primus, which can be easily carried in the Haversack or Utility Pouch. A small "home made" burner (vide Appx D(a)) was tested with reasonable results, and it is suggested that some simple form of burner, light and compact, should be issued in lieu of Canned Heat.

FLASH ELIMINATOR : We have carried out a number of experiments with Flash Eliminators, and have made one which appears to be as satisfactory as any such gadget can be -- vide Appx E . This eliminator was found to eliminate all flash from the gun, both from the flanks and from dead ahead. An insufficient number of rds have been fired through it to thoroughly test its performance. Occasional fragments of burning carbon are ejected. 500 rds rapid failed to produce any build-up of gases, which happens frequently with the present type Blast Eliminator. We query the advantages of this piece of equipment, as its practical necessity appears to be out-weighed by its bulk and weight. Night shoots are not common, and the use of a wet blanket is satisfactory.

LAMPS, NIGHT AIMING : The present eqpt of Boxes Night Firing is most unsatisfactory. The Box itself is frail but cumbersome, and the switch, cells and fittings unnecessarily heavy. The use of a combined purpose electric torch has proved most satisfactory. Experiments have been made with various types, and the model submitted in Appx F is recommended for issue, in lieu of Lamps Night Aiming and Lamps, electric. It will be noticed that this lamp is used in conjunction with a bayonet, in place of the Aiming Post, and we have found it easy to dispense with the Aiming Post altogether.

LIGHTERS, PETROL : It is probably too much to suggest that a reliable type of petrol lighter, such as the Americans sell in their Canteens, be issued on a limited basis of, say, one per 10 men. Matches in this climate, and under operational conditions, are useless and if good petrol lighters were available in the Canteen, they would be of the utmost value.

MULES : The use of mules for transporting MMGs and stores in this type of country appears to have distinct possibilities. Mule exercises were carried out successfully in SYRIA by this unit, in country similar to that in which we have so far operated in NEW GUINEA.

OIL : A really high-grade, high flash-point oil is required for use with the Vickers MMG. The present issue seems to be of inferior quality, loses its lubricating properties when hot, forms excessive carbon, and produces much smoke.

RULES, SLIDE : Probably one of the most useful items of equipment carried by Machine Gunners is the Slide Rule. The present issue Rule, slide MG Mk III - .303 VMG for Mk VII mm is quite unserviceable, being made of cane and glued at the joints. The cane swells in the moist climate, the slides will not run freely, the glue gives way at the joints -- and the whole thing falls to pieces. Should any of these things fail to happen, the white ants make sure that the rule is u/s. So that throughout all the recent ops we have been denied the use of this most useful instrument.

The Mk IV Slide Rule, designed for use with Mk VIII mm, is of metal construction throughout, and is most efficient. Were it possible to have a similar Rule, suitable for use with Mk VII mm, it would be of the greatest assistance.

SPARE PARTS, METHOD OF CARRYING : The "issue" Spare Parts Box and Case are too bulky and heavy. The suggested use of Utility pouches and their contents is detailed in our which appears as Appx to this Report.

TINS, MESS : The issue type rectangular Mess Tins are too large and heavy. Even when cut in half, which most of the men endeavour to accomplish, the weight is greater than the original aluminium type. The new type rectangular tins, though frail, are much lighter, but it is suggested that these, too, should have their depth decreased by half. This enables them to be carried in the Utility Pouch, together with two Emergency Rations. Of the new "Quart Pot" type of Mess Tin, we refrain from comment, except to say that whenever issued they have been discarded in favour of an empty jam tin -- it is lighter.

TORCHES : All the remarks relative to WATCHES (vide below) are also applicable to Torches, including the notes in Parts IV and III. Were it possible to adapt our suggestion re Lamps, Night Aiming (vide para 8), we feel that much of our difficulty in this regard would be overcome.

WATCHES : Watches are a most necessary part of the Machine Gunner's equipment, and at least one reliable watch per Section is essential. At no time has this Unit had a full issue of watches, and it is recommended that addition to the E2 be made in accordance with Part IV, attached hereto. It is also recommended that an Instrument Mechanic be attached to the L.A.D., vide Part III, so that necessary maintenance and repairs may be carried out within the Unit. On many occasions when instruments are sent back to workshops for minor repair, they are not returned to the Unit, so that casualties of instruments are most difficult to replace.

WATERPROOF EQUIPMENT : Sleeping, A/Malarial - The present issue of Ground Sheet, cum Waterproof Cape, is not satisfactory. If it is intended to continue using Ground sheets, the minimum dimensions are a 7ft 6 ins x 4 ft rectangle, thus enabling the man to get full protection over his head. With the present cape this is impossible. The mosquito net, too, is considered too bulky to be really practical in forward areas. The American type Hammock really consists of three pieces, viz Top waterproof cover, net and bottom waterproof sheet. It has many advantages, such as

- (a) Light and compact ;
- (b) Combines the features of present Ground Sheet and mosquito net with the addition of a waterproof bottom ;
- (c) Comfort.

If circumstances permit, hammock may be hung. In forward areas it may be used on the ground or in a slit trench. The main disadvantage, according to the men, is the difficulty of ingress and egress. This could largely be overcome by use of a simpler fastening than the zipper, which invariably goes out of order. Following is a comparison of weights and dimensions :

	Weight	Length	Diameter
		rolled	rolled
Ground sheet and net	4 1/4lb	10"	8"
American hammock	5 1/2lb	13"	7"

When wet the issue type net increases in weight approx 2 lbs. Some men say that hammocks are dangerous in forward areas; even if this is so, the number of occasions in which men are in direct contact with the enemy, in comparison to the times when they are not, even in fwd areas, is very small-- and the benefits derived during the "out of contact" periods is great.

Cape, A/Gas - The Gas Cape has been found to be as suitable as any other means of waterproofing the individual. They are light and easy to carry. Their main disadvantage is lack of ventilation, thus causing the wearer to get almost as wet from condensation as he would were he not to wear the cape in the teeming rain.

Waterproof Containers - Waterproof containers for all equipment must be provided for jungle ops. We managed to make up a number of containers out of u/s Gas Capes and Ground Sheets, but it was impossible to fulfil the demand. We consider containers essential for

Guns
Rangefinders
Directors
Binoculars
Torches
Watches
Personal documents.

NEEDS AND CANTEEN : The following suggestions in regard to Canteen supplies are made, in the hope that they may be helpful to those whose job it is to purchase for the AACs.

- (i) Tobacco - Log Cabin is by far the most popular brand of fine and flake cut tobacco. Ready-rubbed cigarette tobacco is not popular. Cigarettes do not carry well in this climate, unless packed in air-tight tins, which are apparently unobtainable.
- (ii) Sweets & Biscuits - By far the most popular lines are :
Pascalls Fruit Bon Bons
Cadbury's Fruit and Nut Chocolate
Amotts Sweet Biscuits
Other lines are difficult to sell. Swallow and Ariel's biscuits are not well wrapped. Cream, jam-filled, or good shortbread biscuits are most popular. Some fruit juice cordial is good, but one outstandingly bad, in our experience, is Sawtells Orange.
- (iii) Toilet Requisites - Main requirements seem to be
Gibbs Dentifrice
Ingrams Shaving Cream
Johnsons Tale Powder
These lines are particularly popular, because they are packed in strong containers, are easy to pack, and do not squash. Also they are all of high quality. Small tins of vaseline are popular. If all containers could be made square or rectangular, it would facilitate packing.
- (iv) Ink must be sold in small bottles. The 4 oz bottle is too large for general use. The men cannot carry it.
- (v) Brushes of all descriptions are always in demand, but are unprocureable from Canteens. The same applies to washing soap.
- (vi) Playing Cards are always ready sellers, but are in very short supply.
- (vii) General - Envelopes in this climate must either be ungummed or have a small strip of grease paper under the flap. Note books and pencils are an ever-present need. In case there is any misapprehension about these being a stationery issue, we hasten to assure you that they are quite unprocureable from that source.

The Canteen service -- when it did eventually get working -- was most efficient. The Canteen staff were most helpful and afforded us every assistance.

H.Q. 9 AUST. DIV.

68/6a

Date 31 Jan 44

Time _____

File 514/65/6a

2/2 Aust MG Bn
28 Jan 44
Ref: 116/31/44.

HQ 9 AUST DIV

ALTERATION TO W.E.s

1. Reference your 01123 dated 17 Jan 44.
2. Herewith 5 copies of suggested amendments and 5 copies of full explanation as required by G.R.O. G97 para 3 (6).

E. Macarthur-Onslow

Lt-Col
(E. Macarthur-Onslow)
C.O. 2/2 Aust MG Bn.

PROPOSED AMENDMENT TO ESTABLISHMENT OF A MACHINE GUN BATTALION.

1. General Duties Officers Mess - 1 Serjeant to be added.
2. One Cpl to be added to Bn HQ for "I" duties.
3. A.A.M.C. (attached) to be amended by the deletion of the Corporal Chiropodist.
4. That stretcher bearers (16) include 4 corporals. All other stretcher bearers to be specialists (T.G. 111) and it is suggested that they be ~~trained~~ termed "medical orderlies" (T/Gp 111) to facilitate this.
5. That only one Armourer Sjt be attached from AMME instead of 2 as at present.
6. A.A.C.C. (attached) to be amended to read :-

W.O. (ii)(Caterer)	-	1	
Serjeants	-	1	
Corporals	-	5	
Privates (T/Gp ii)	-	15	5 9 11

7. Signal Platoon to be increased to read :-

Pl HQ	Lieutenant	-	1	1
	Serjeant	-	1	1
	Operators (T/Gp1)	-	3	35
	Signallers	-	6	1
	Drivers Mech	-	1	1
	Batman Driver	-	1	
Four Sections (each)				
	Corporal	-	1	
	Signallers	-	5	
	Driver M.T.	-	1	

Total Personnel 1 offr - 40 ORs.

8. That an alternate scale of M.T. be provided for jungle operations as follows:-

(a)	<u>Bn HQ</u>	<u>HQ Coy</u>	<u>4 MG Coys (each)</u>	<u>Spore</u>	<u>Total</u>
Trucks 1/2 ton 4x4	3	40	4	2	25

32
 © Note One to be fitted for signal work and to include :-

Small extension ladder attached to side,
 Cable layer,
 Side spewer,
 Wireless mountings.

(b) "Jeep" Trailers	Bn HQ	- 3	
	HQ Coy	- 4	
	MMG Coys (each)	- 4	- <u>Total 23</u>

---oo00oo---

416
76
35
527

1
-0
0

46) 186 1 1 3
 140) 157 1 1 2

5-5-11

48
56
288
24
312

673
19
692

679
167

APPX "G"

"B"

2/2 Aust MG Bn
Ref: 132/24/44
30 Jan 44

No 9 Aust Div

SPARE PARTS VICKERS MGB

- Further to your 942/1/93 and our 627/54/43, and in reply to 2 Aust Corps G/342/80. The suggestions subtended hereto are submitted.
- Having carried out many experiments as to the most suitable contents and method of carrying the necessary spare parts, the following are our recommendations :-

The Section stores be carried in two Basic Pouches. ^{carried here} Each No 2 to carry one pouch.

The contents of each pouch to be :-

Locks, breech	-	1	Files, side cutting	prs	1
Pouches No 3	-	1	Plugs, clearing VMG (old type)		1
" No 5	-	1	Screwdrivers, small MG		1
Tools, continuation, VMG	-	1	Gibs, No 3	-	1
Levers, extractors	-	2	Pins -		
Left	-	1	Trigger, lock		1
Right	-	1	Tumbler	-	1
Springs -			Firing	-	4
Gib	-	1	split bush axle side		
Lock	-	4	levers	-	1
Gauge pieces	-	4	Trigger	-	1
Bushes axis side levers	-	1	Tumblers	-	1
Cups muzzle att	-	1	Corks for plug	-	1
Collars roller	-	1	Discs muzzle att	-	2
Fusse with chain	-	1	Packing asbestos 5 yds rolls		1
Fullthroughs gauge			Pins, fixing crank handle		1
(pieces)	-	4	Rollers	-	1
springs safety catch with			Springs friction slide		
plunger	-	1	Tangent sight	-	1
Washers adjusting No 1			Washers adjusting No 2		
(.005)	-	3	(.005)	-	3
			Pins split Collar Roller	-	1
			Pins split Keeper 1/16 in x 1 in	-	6
			Pins split Kee er 1/8 in x 2 1/2 in		4

In addition, one pouch will contain :-

Blocks feed right hand 1 Fullthrough double 1

In the other pouch will be :-

Balances, spring - 1 spring, fusse - 1
Sights, tangent - 1 side levers - 1 set

The above is laid down as a basis and individual Sec Comds are allowed to use their own discretion as to what other small parts if any, they want to carry.

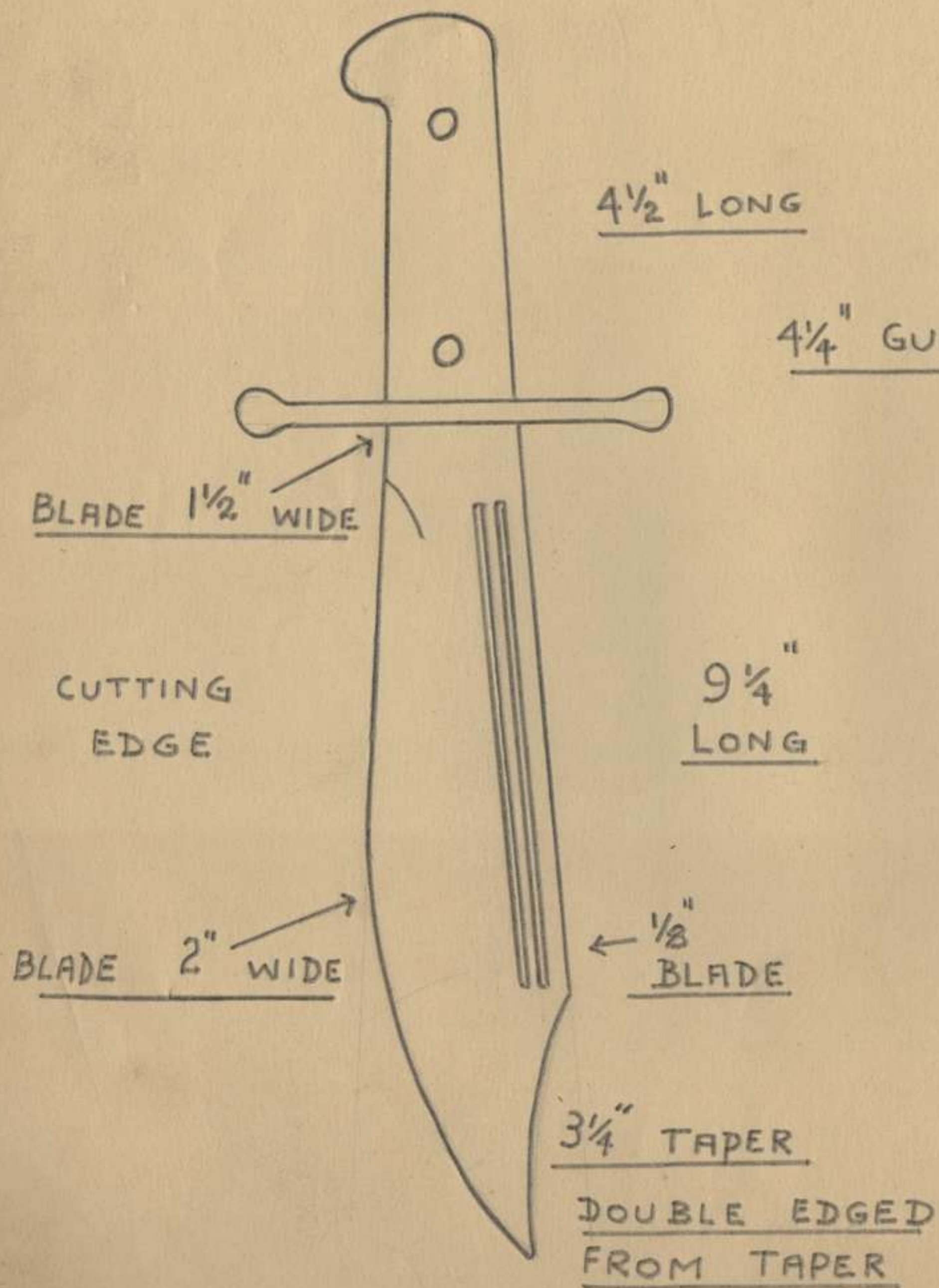
- NOTE: (i) Spare parts are carried in tins from spare parts box not the bags in the case.
(ii) Water bottles filled with oil always carried -- tin if in case not large enough.

- Thus all the Section spares are carried by the two Nos 2. This arrangement or similar has been used all through the recent operations with great success.

Lt-Col
(E. Macarthur Goslow)
C.O., 2/2 Aust MG Bn

JUNGLE KNIFE

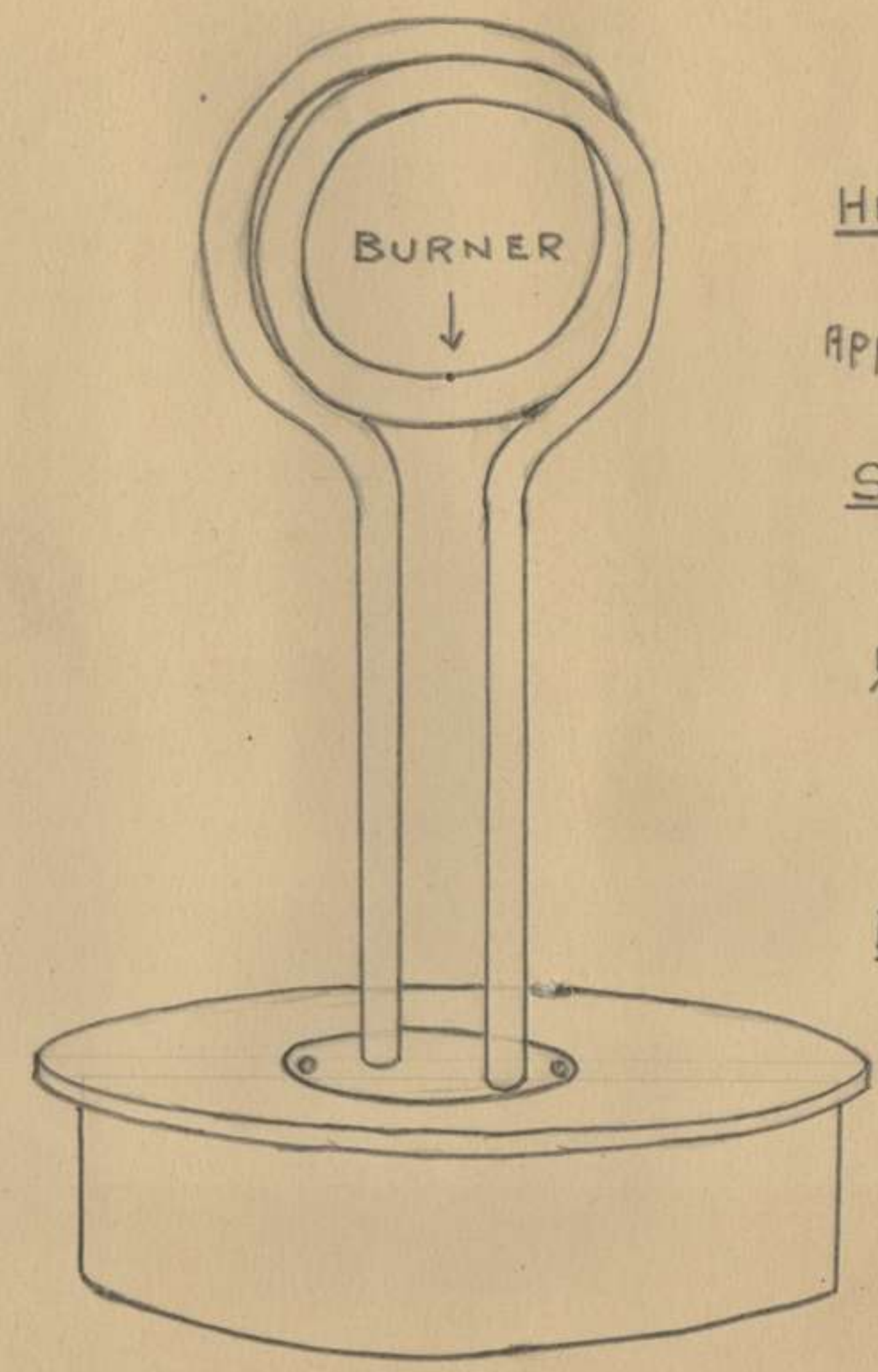
"D" (6)



PRIMUS.

Appx "D"

("a")



HEATING CIRCLE
APPROX 1 1/2" DIA.

STEM
3 1/2" HIGH
1/4" COPPER TUBE.

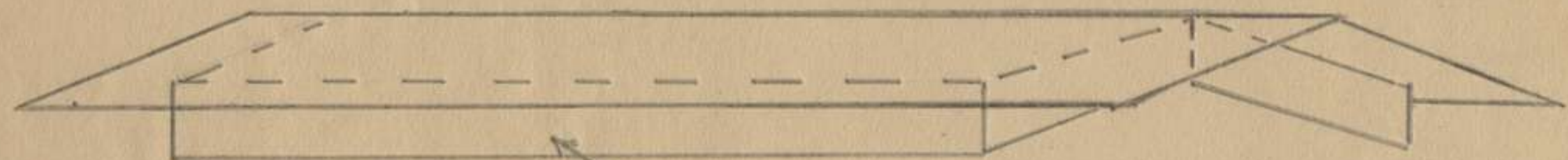
BOWL. 4" ~~CIRC~~ DIA. ~~EE~~
1 1/2" DEEP.

SKETCH ONLY.

HAMMOCK

HOOD

Length 8' 6"
Breadth 4' 3"



hood has 6" rise at centre point.



6"



double FLAP
4" deep. sewn to hood
one foot from all edges
fitted with hooks about 4"
apart to take curtain.

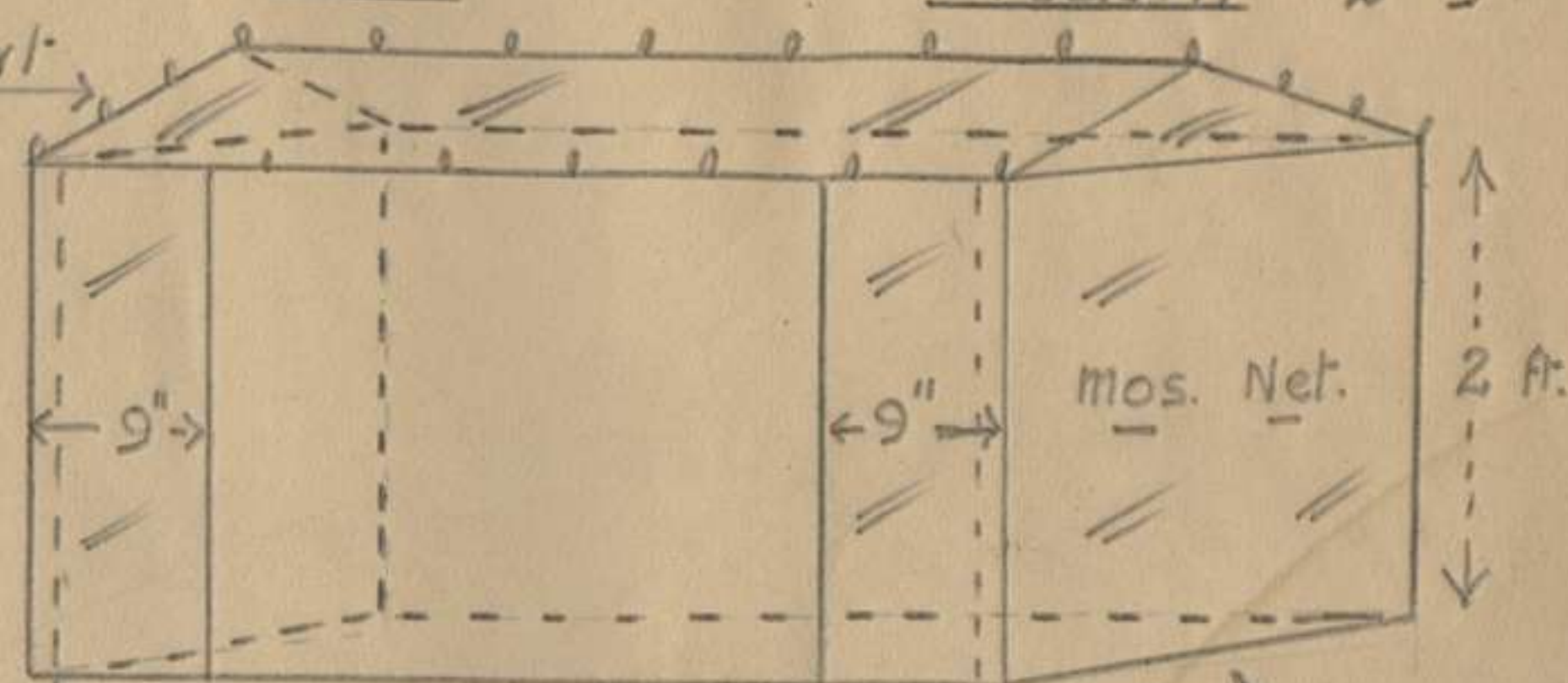
double flap.

CURTAIN NET

Length 6' 6"
Breadth 2' 3"

loops
4" apart

FRONT



1 ft Longer
Than Curtain.

6' 4"
wide

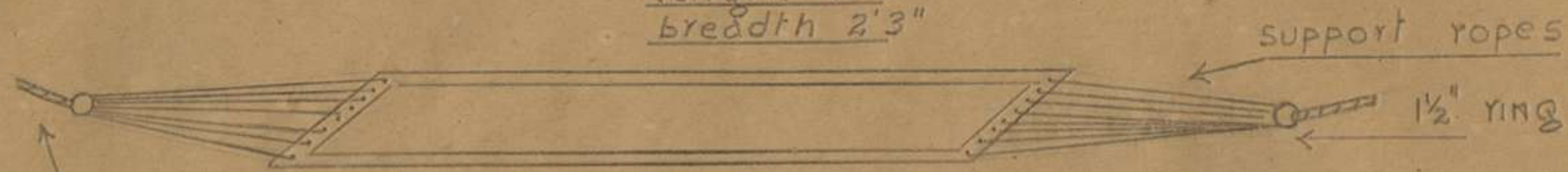
This edge
sewn to bed
seam.

net flap.

hangs loose inside
curtain. Sewn along
top edge only

BED

length 6'6"
breadth 2'3"



support ropes

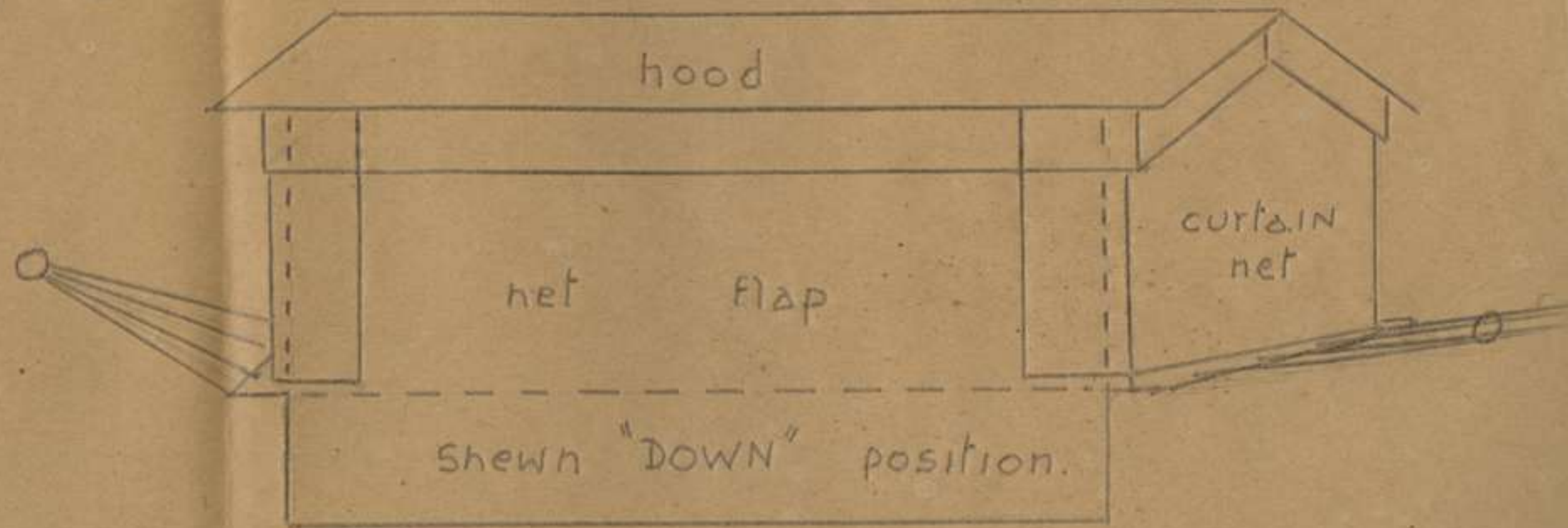
2" seam all round
eyeletted ends to take support ropes
curtain sewn to seam

support ropes

1 1/2" RING

HAMMOCK

complete



hood

net

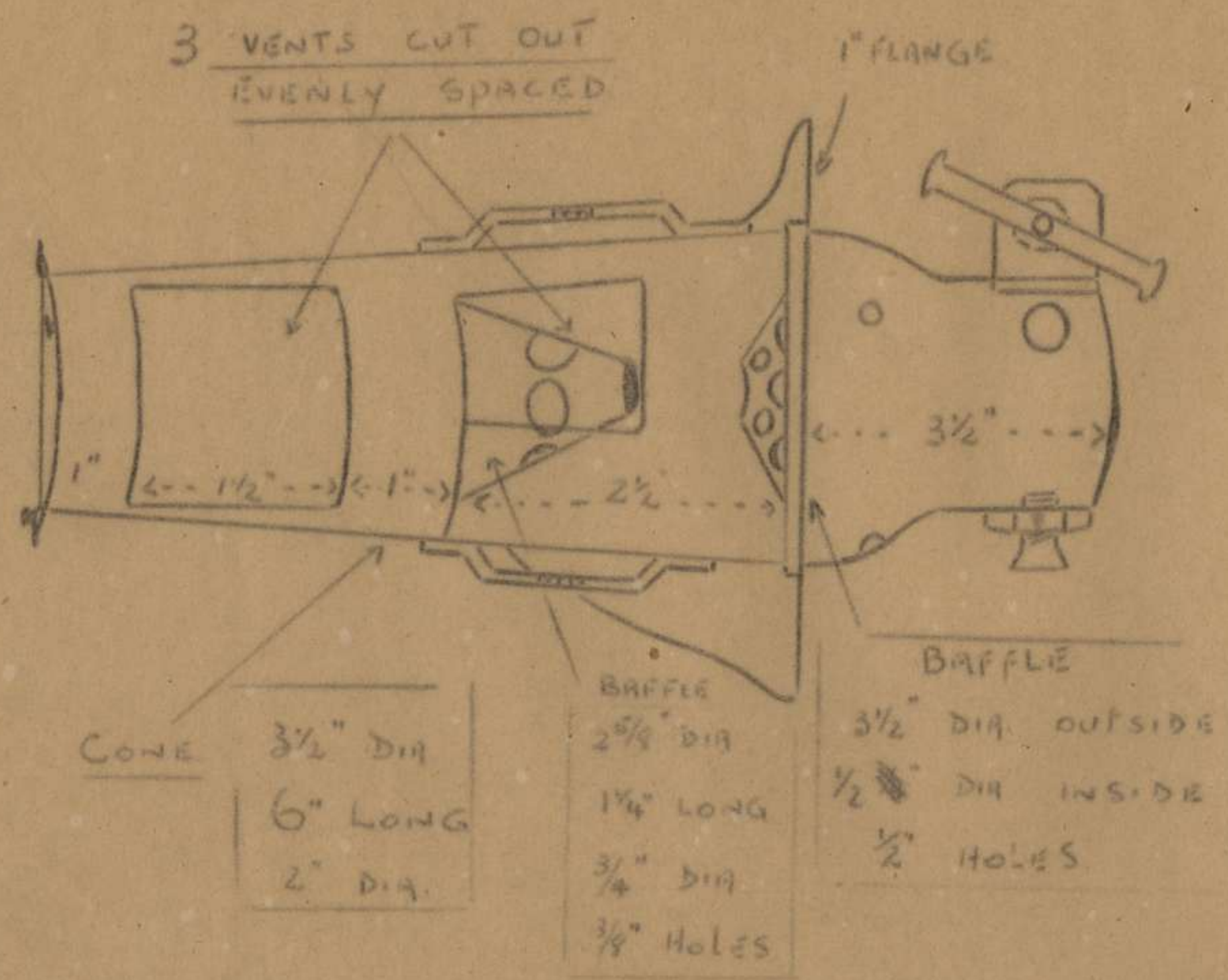
flap

curtain net

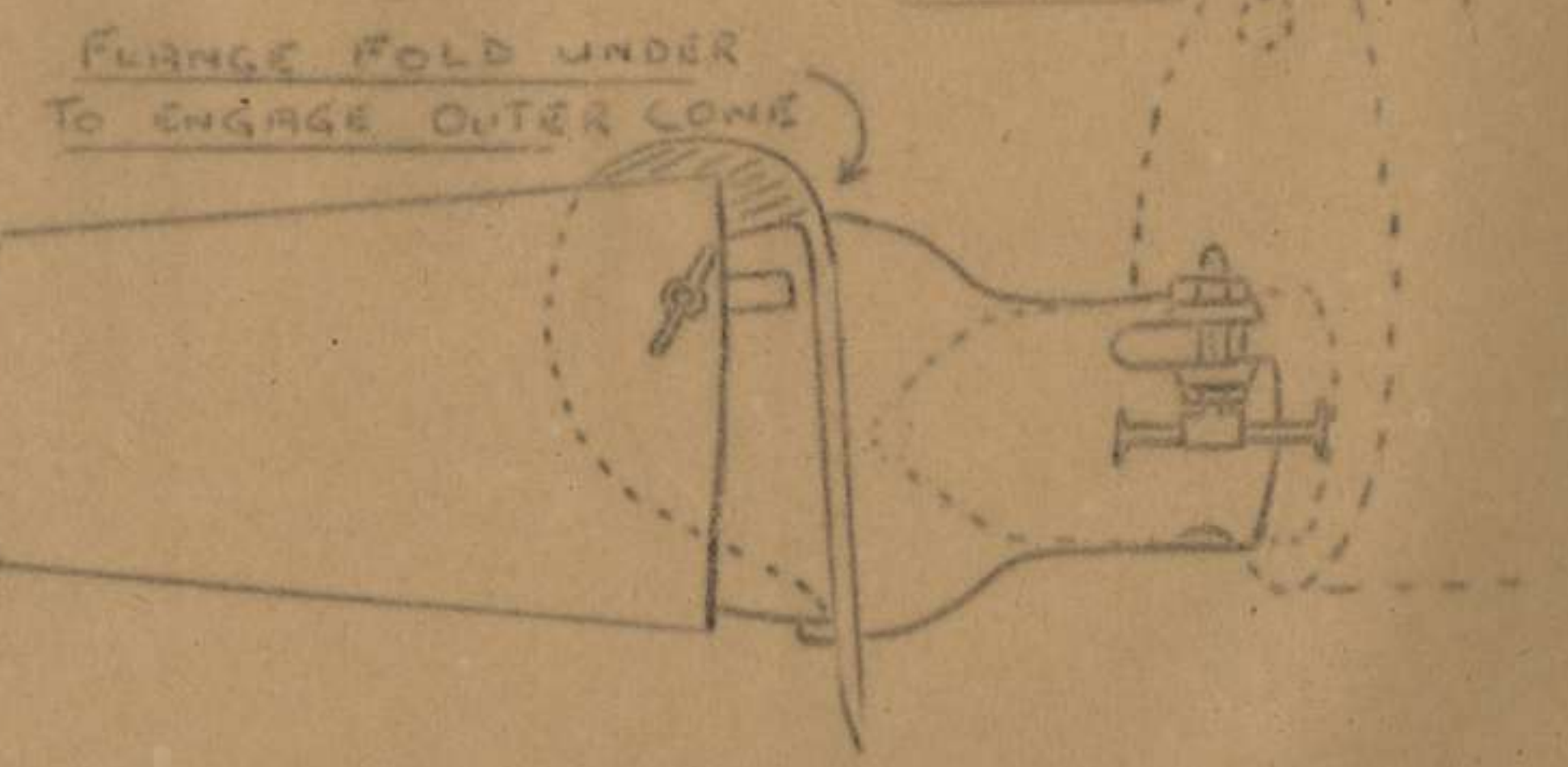
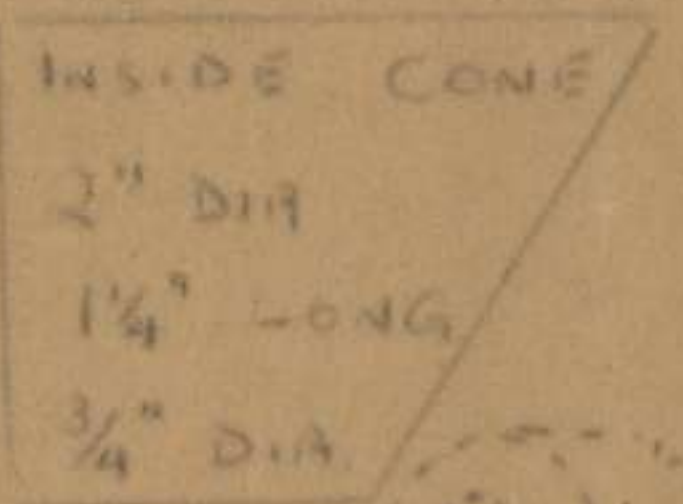
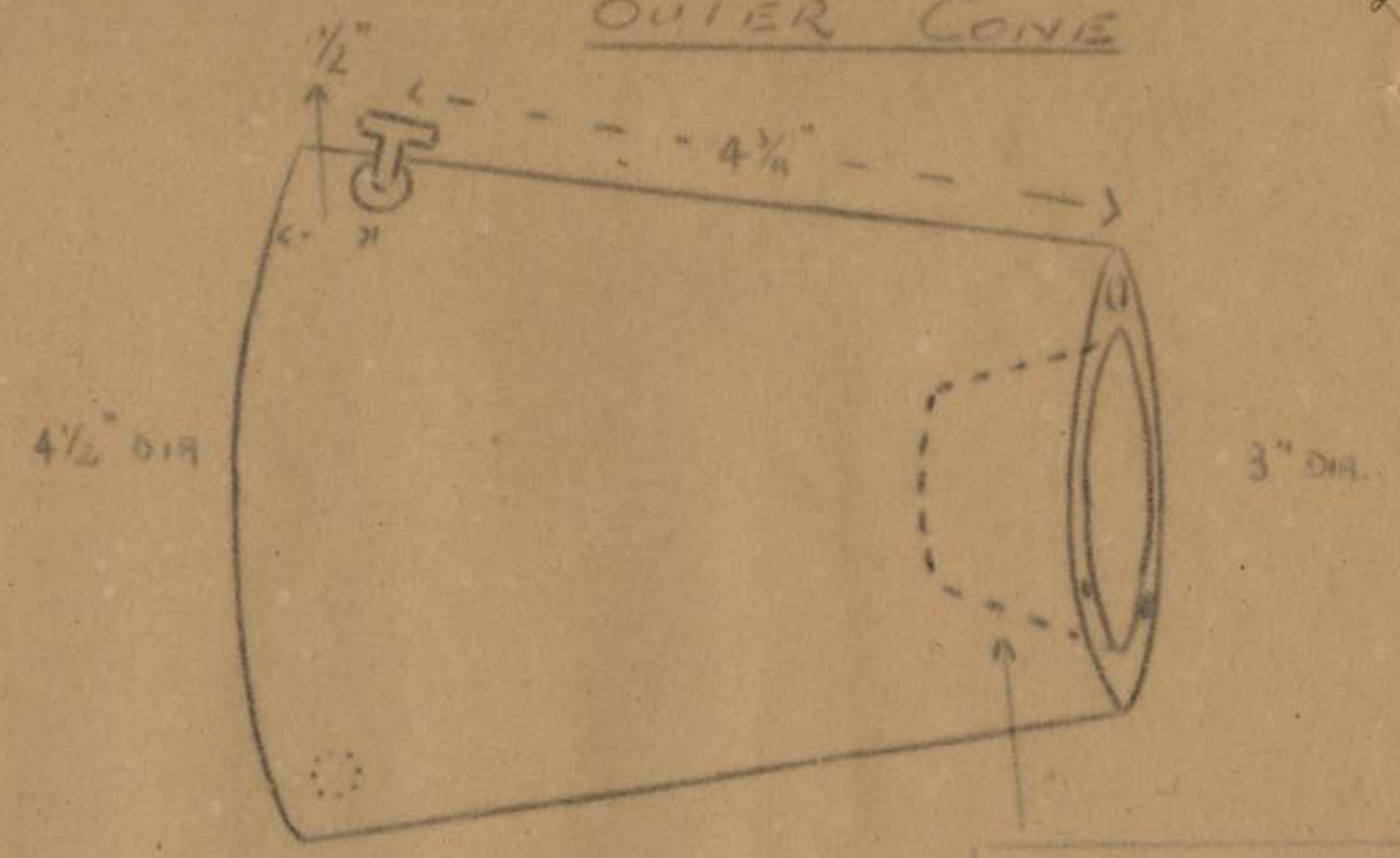
shewn "DOWN" position.

FLASH ELIMINATOR

INNER CONE



OUTER CONE



ELIMINATOR FITTED TO GUN

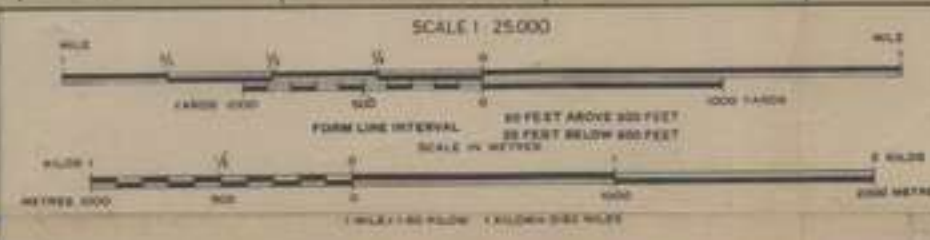
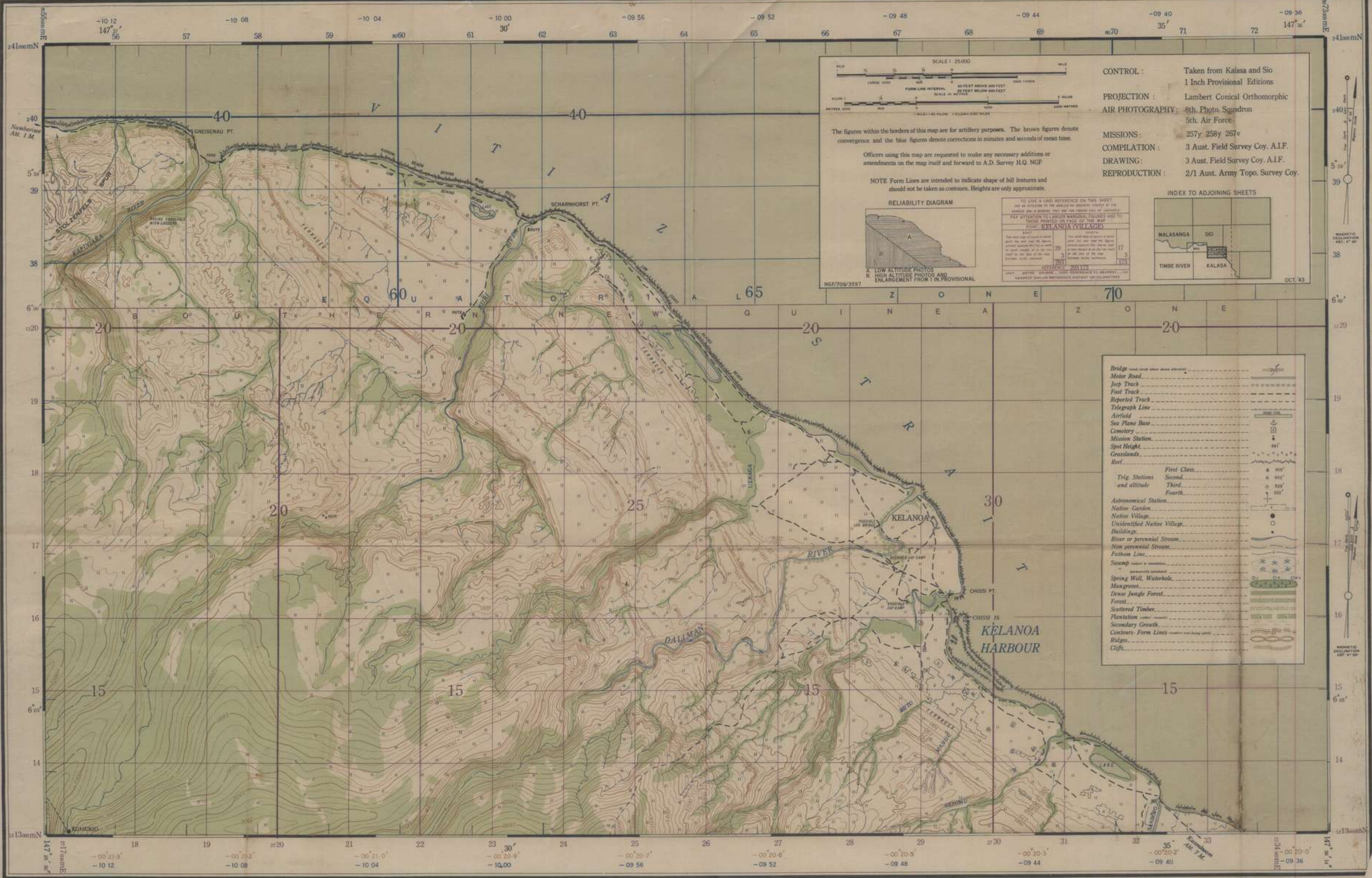
Fortification
Point
1:25000

NETHERLANDS EAST INDIES GRID
EQUATORIAL ZONE AND
SOUTHERN NEW GUINEA ZONE

NEW GUINEA KELANOA HARBOUR

NOTE: GRID ON THIS MAP AGREES WITH SIO &
KALASA 1 INCH PROVISIONAL EDITIONS

REFER TO THIS MAP AS
KELANOA HARBOUR 3597 1:25,000 SERIES



The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NGF

NOTE Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.

RELIABILITY DIAGRAM



TO USE A GRID REFERENCE ON THIS SHEET
SEE ATTENTION TO THE MAPS TO BE USED AT THE
OFFICE OF THE DIRECTOR OF THE
GENERAL STAFF, PERTH, WEST AUSTRALIA

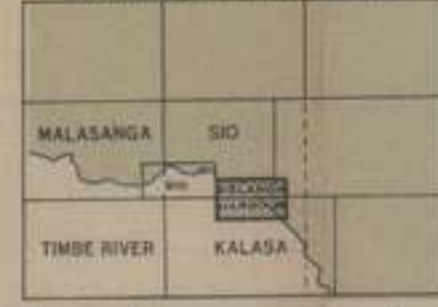
KEY TO THE GRID REFERENCE SYSTEM AND TO
THE GRID PRINTED ON FACE OF THE MAP

POINT - KELANOA VILLAGES

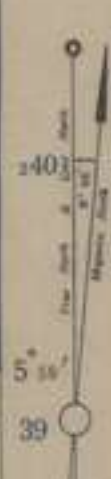
17	18
3	3
17	17

NOTE: METRIC SQUARES REFERRED TO NEAREST
NEAREST SQUARE REFERENCE, INSTANT OR CALCULATED

INDEX TO ADJOINING SHEETS



Bridge									
Motor Road									
Jeep Track									
Foot Track									
Reported Track									
Telegraph Line									
Airfield									
Sea Plane Base									
Contour									
Mission Station									
Spot Height									
Grasslands									
Reef									
Trig. Stations and altitude	<table border="1"> <tr> <td>First Class</td> <td>A 300'</td> </tr> <tr> <td>Second</td> <td>A 200'</td> </tr> <tr> <td>Third</td> <td>A 150'</td> </tr> <tr> <td>Fourth</td> <td>A 100'</td> </tr> </table>	First Class	A 300'	Second	A 200'	Third	A 150'	Fourth	A 100'
First Class	A 300'								
Second	A 200'								
Third	A 150'								
Fourth	A 100'								
Astronomical Station									
Native Garden									
Native Village									
Unidentified Native Village									
Buildings									
River or perennial Stream									
Non-perennial Stream									
Fathom Line									
Swamp									
Spring Well, Waterhole									
Mangroves									
Dense Jungle Forest									
Forest									
Scattered Timber									
Plantation									
Secondary Growth									
Contours - Form Lines									
Ridges									
Cliffs									

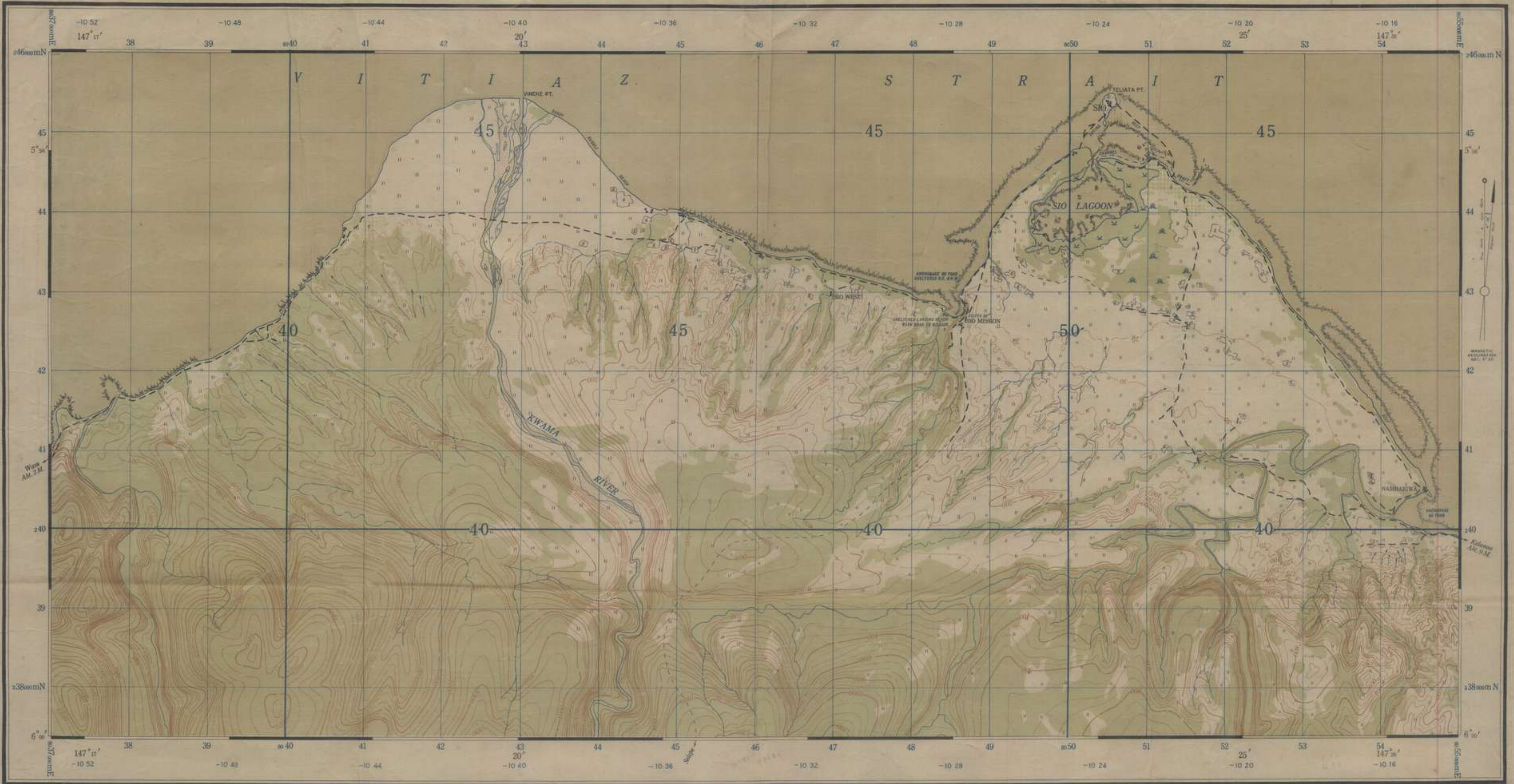


NETHERLANDS EAST INDIES GRID
EQUATORIAL ZONE

NEW GUINEA SIO

NOTE: GRID ON THIS MAP AGREES WITH SIO & MALASANGA 1 INCH PROVISIONAL EDITIONS

REFER TO THIS MAP AS
SIO 3996 1:25,000 SERIES



Bridge	—
Motor Road	—
Joop Track	—
Foot Track	—
Reported Track	—
Telegraph Line	—
Airfield	—
Sea Plane Base	—
Courtesy	—
Mission Station	—
Spot Height	—
Grasslands	—

CONTROL: Taken from Malasanga and Sio 1 Inch Provisional Editions
PROJECTION: Lambert Conical Orthomorphic
AIR PHOTOGRAPHY: 8th. Photo. Squadron, 5th. Air Force
MISSIONS: 141Z 257Y 258Y 267V
COMPILATION: 3 Aust. Field Survey Coy. A.I.F.
DRAWING: 3 Aust. Field Survey Coy. A.I.F.
REPRODUCTION: 2/1 Aust. Army Topo. Survey Coy.



The blue figures within the borders of this map denote corrections in minutes and seconds of mean time. There is no convergence correction in this zone.
 Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NGF

NOTE: Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.

TO GIVE A GRID REFERENCE ON THIS SHEET
 See the instructions on the inside of the map for the method of giving a grid reference.
 PAY ATTENTION TO LARGER MARGINAL FIGURES AND TO THESE PRINTED ON THIS PAGE OF THE MAP

EAST	WEST
147 11	147 54
38	53
40	45
42	43
44	41
46	39
48	37
50	35
52	33
54	31



Trig Stations and altitude	First Class	▲ 500'
	Second	▲ 450'
	Third	▲ 350'
	Fourth	▲ 300'
Astronomical Station		—
Native Garden		—
Native Village		—
Unidentified Native Village		—
Buildings		—
River or perennial Stream		—
Non perennial Stream		—
Fathom Line		—

Swamp	—
Spring Well, Waterhole	—
Mangroves	—
Dense Jungle Forest	—
Forest	—
Scattered Timber	—
Plantation	—
Secondary Growth	—
Contours Form Lines	—
Ridge	—
Cliff	—

OCT. '43

7 DIV
1125000
spaces

Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey HQ N.G.F.

SECOND EDITION

WARNING
GRID ON THIS MAP DOES NOT AGREE WITH GRID OF LANGEMAK BAY 36341: 25,000 SERIES WHICH IS SUPERSEDED

The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

NOTE Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.

CONTROL: Astronomical Fixation at Salankau by 2/1 Aust. Army Topo. Survey Coy
Lat. 06°33'28.4"
Long. 147°51'07.2"

PROJECTION: Lambert Conical Orthomorphic
AIR PHOTOGRAPHY: 8th. Photo Squadron Fifth Air Force
MISSION: 194 X 254 X 93.XX
COMPILATION: 2/1 Aust. Army Topo. Survey Coy.
REPRODUCTION: 2/1 Aust. Army Topo. Survey Coy.

TO GIVE A GRID REFERENCE ON THIS SHEET	
1. EASTING	2. NORTHING
3. EASTING	4. NORTHING
5. EASTING	6. NORTHING
7. EASTING	8. NORTHING
9. EASTING	10. NORTHING
11. EASTING	12. NORTHING
13. EASTING	14. NORTHING
15. EASTING	16. NORTHING
17. EASTING	18. NORTHING
19. EASTING	20. NORTHING
21. EASTING	22. NORTHING
23. EASTING	24. NORTHING
25. EASTING	26. NORTHING
27. EASTING	28. NORTHING
29. EASTING	30. NORTHING
31. EASTING	32. NORTHING
33. EASTING	34. NORTHING
35. EASTING	36. NORTHING
37. EASTING	38. NORTHING
39. EASTING	40. NORTHING
41. EASTING	42. NORTHING
43. EASTING	44. NORTHING
45. EASTING	46. NORTHING
47. EASTING	48. NORTHING
49. EASTING	50. NORTHING
51. EASTING	52. NORTHING
53. EASTING	54. NORTHING
55. EASTING	56. NORTHING
57. EASTING	58. NORTHING
59. EASTING	60. NORTHING
61. EASTING	62. NORTHING
63. EASTING	64. NORTHING
65. EASTING	66. NORTHING



Bridge	Motor Road	Jeep Track	Foot Track	Reported Track	Telegraph Line	Airfield	Sea Plane Base	Cemetery	Mission Station	Spot Height	Grasslands

Trig. Stations and altitude	First Class	Second	Third	Fourth
	A 10'	A 52'	3 52'	3 10'
Astronomical Station	Native Garden	Native Village	Undeveloped Native Village	Building
River or perennial Stream	Non-perennial Stream	Fathom Line	Swamp	Spring Well, Waterhole
Misgonyx	Dense Jungle Forest	Forest	Scattered Timber	Plantation
Secondary Growth	Contours - Form Lines	Ridges	Cliffs	

NEW GUINEA LANGEMAK BAY

SCALE 1:25,000

NETHERLANDS EAST INDIES GRID SOUTHERN NEW GUINEA ZONE

REFER TO THIS MAP AS LANGEMAK BAY 3669 1:25,000 SERIES



LANGEMAK

I Office

LANGEMAK 1/25000

LANGEMAK
BAY

NETHERLANDS EAST INDIES GRID
SOUTHERN NEW GUINEA ZONE

WARNING
GRID ON THIS MAP DOES NOT AGREE WITH
GRID OF SATELBERG 3661 1:25,000 SERIES
WHICH IS SUPERSEDED

NEW GUINEA SATELBERG

SECOND EDITION

REFER TO THIS MAP AS
SATELBERG 3668 1:25,000 SERIES



Bridge	
Motor Road	
Foot Track	
Reported Track	
Telegraph Line	
Airfield	
Sea Plane Base	
Cemetery	
Mission Station	
Spot Height	
Contours	

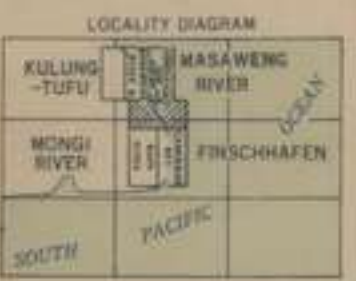
CONTROL
PROJECTION
AIR PHOTOGRAPHY
MISSION
COMPILATION
REPRODUCTION

Astronomical Fixation at Salakaua
by 2/1 Aust. Army Topo. Survey Coy.
Lat. 06°33'28.4"
Long. 147°31'07.2"
Lambert Conical Orthomorphic
8th. Photo Squadron Fifth Air Force
194 X 254 X 236 W 293 Y 93 XX
2/1 Aust. Army Topo. Survey Coy.
2/1 Aust. Army Topo. Survey Coy.

TO GIVE A TRUE REFERENCE ON THIS SHEET
BY AN ATTENTION TO THE DETAILS OF THE
LARGER AND SMALLER FIGURES AND TO
THESE PRINTED ON FACE OF THE MAP
POINT SATELBERG CHURCH
EAST
WEST
NORTH
SOUTH
HEIGHTS
REVISIONS
DATE
BY
REVISIONS
DATE
BY



The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.
Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NGF
NOTE Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.



Trig. Stations and altitude	First Class		900'
	Second		850'
	Third		800'
	Fourth		750'
Astronomical Station			
Native Garden			
Native Village			
Unidentified Native Village			
Buildings			
River or perennial stream			
Non-perennial stream			
Fathom Line			

Swamp	
Spring Well, Waterhole	
Mangroves	
Dense Jungle Forest	
Forest	
Scattered Timber	
Plantation	
Secondary Growth	
Contours - Form Lines	
Ridges	
Cliffs	

NEW GUINEA FORTIFICATION POINT

SECOND EDITION

NETHERLANDS EAST INDIES GRID
SOUTHERN NEW GUINEA ZONE

REFER TO THIS MAP AS
FORTIFICATION POINT 3667 1:25,000 SERIES

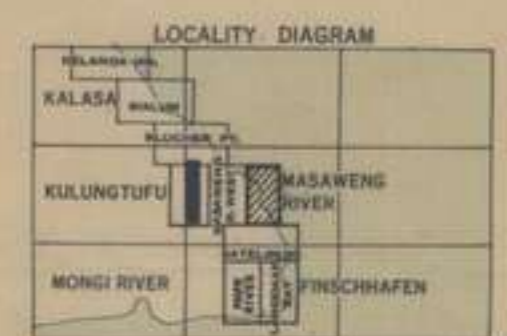
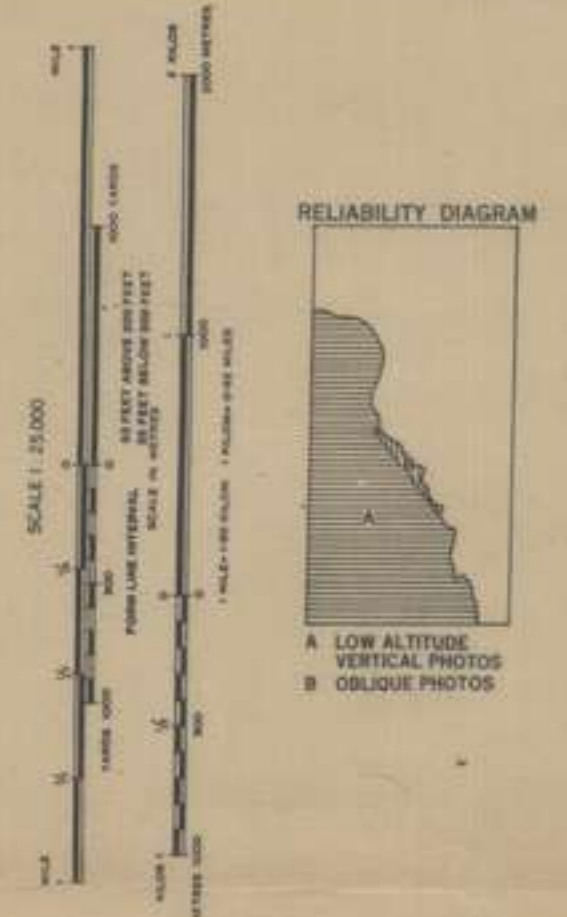
CONTROL: Triangulation and Astronomical Fixation
by 2/1 Aust. Army Topo. Survey Coy.
at Salankau Lat. $06^{\circ}33'28.4''$
Long. $147^{\circ}51'07.2''$

PROJECTION: Lambert Conical Orthomorphic
AIR PHOTOGRAPHY: 8th. Photo Squadron
5th. Air Force

MISSIONS: 95x, 236w, 293y, 294y.
COMPILED: 3 Aust. Field Survey Coy. A.I.F.
and DRAWING:

REPRODUCTION: 2/1 Aust. Army Topo. Survey Coy.

WARNING
GRID ON THIS MAP DOES NOT AGREE WITH GRID
OF FORTIFICATION POINT 3669 1:25,000 SERIES
WHICH IS SUPERSEDED



Bridge	-----
Motor Road	-----
Jap Track	-----
Foot Track	-----
Repeted Track	-----
Telegraph Line	-----
Airfield	-----
Sir Plane Run	-----
Cemetery	-----
Mission Station	-----
Spot Height	-----
Contour	-----

Trig. Station	-----
Trig. Station and altitude	-----
Astronomical Station	-----
Native Village	-----
Undiscovered Native Village	-----
Building	-----
River or perennial stream	-----
River seasonal stream	-----
Fathom Line	-----

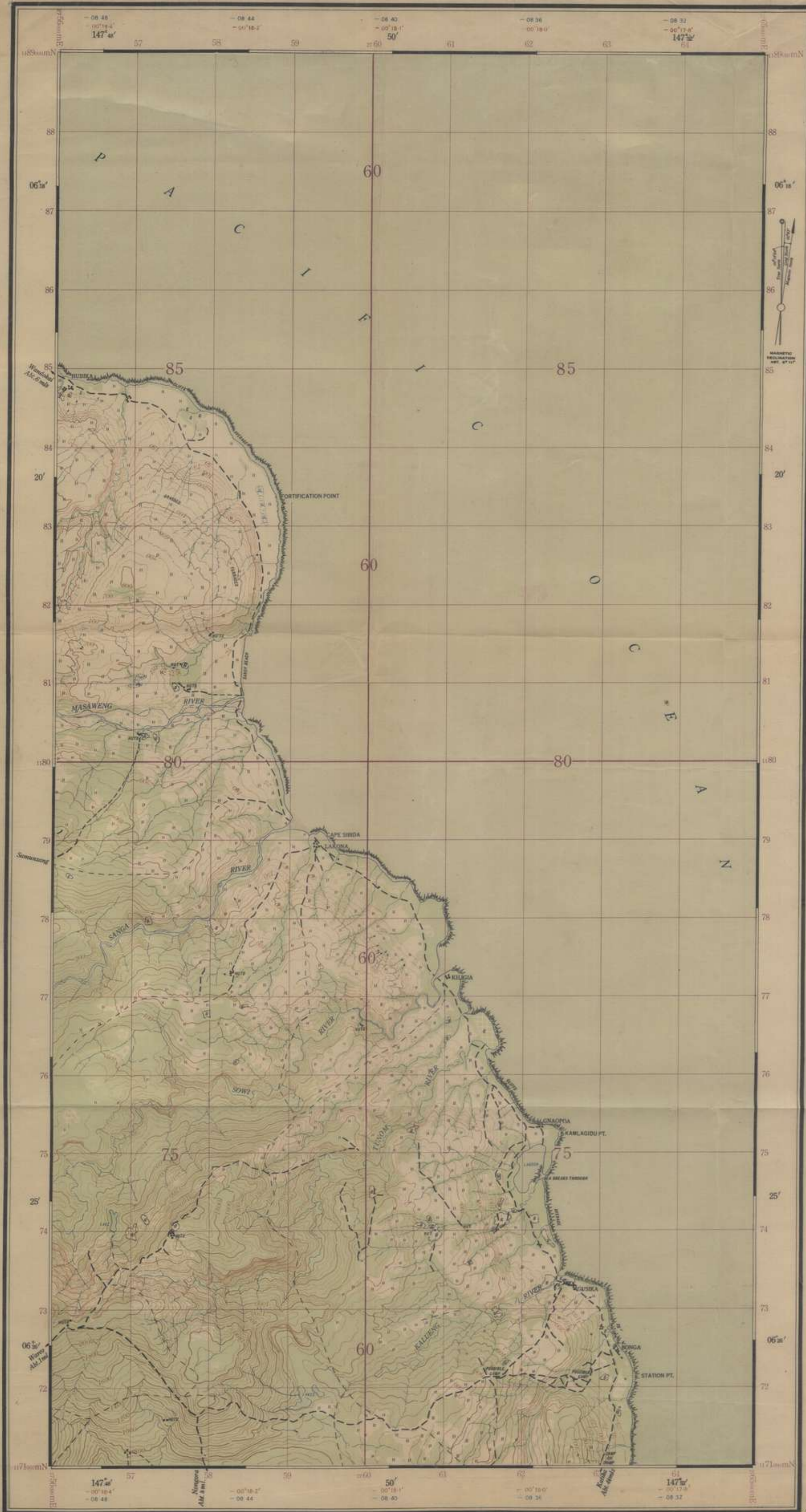
Spring Well, Waterhole	-----
Mangrove	-----
Dense Jungle Forest	-----
Forest	-----
Scattered Forest	-----
Forest	-----
Secondary Growth	-----
Contour Faint Lines	-----
Ridge	-----
Crag	-----

Note: Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximations.

TO OBTAIN A GRID REFERENCE ON THIS SHEET	
Use the following method to obtain the grid reference of any point on the map.	
1. Find the grid square in which the point is located.	
2. Find the grid square in which the point is located.	
3. Find the grid square in which the point is located.	
4. Find the grid square in which the point is located.	
5. Find the grid square in which the point is located.	

The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey HQ, N.G.F.



NEW GUINEA MASAWENG RIVER WEST

NETHERLANDS EAST INDIES GRID
SOUTHERN NEW GUINEA ZONE

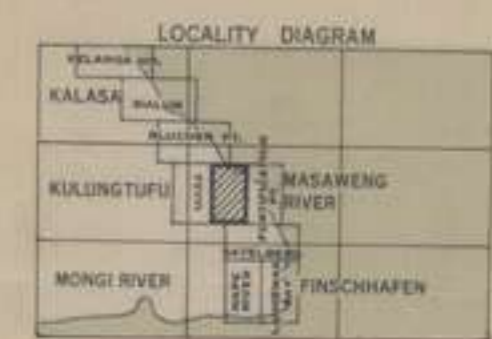
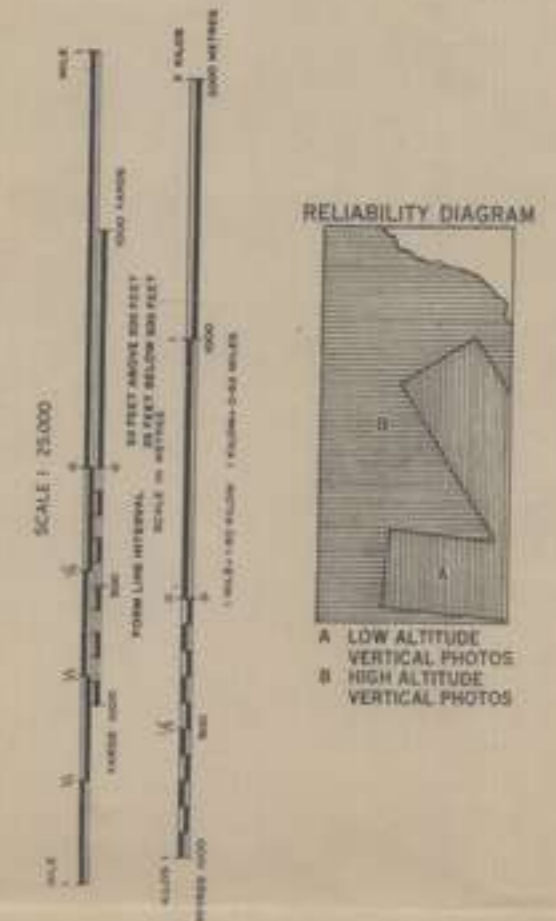
REFER TO THIS MAP AS
MASAWENG RIVER WEST 3062 1 : 25,000 SERIES

CONTROL: Triangulation and Astronomical Fixation
by 2/1 Aust. Army Topo. Survey Coy.
at Salankau Lat. 06°33'28.4"
Long. 147°51'07.2"

PROJECTION: Lambert Conical Orthomorphic
AIR PHOTOGRAPHY: 8th. Photo Squadron
5th. Air Force

MISSIONS: 95 x, 97c, 236 w, 293y, 294y,
COMPILED

and DRAWING: 3 Aust. Field Survey Coy. A.I.F.
REPRODUCTION: 2/1 Aust. Army Topo. Survey Coy.



Bridge	Motor Road	Imp. Track	Foot Track	Robotic Track	Telegraph Line	Airfield	Sea Plane Base	Cemetery	Miner Station	Spot Height	Contour
.....

Triang. Station	Second	Third	Fourth	Astronomical Station	Native Village	Classified Native Village	Settlement	River or Irrigation Stream	Non-perennial Stream	Fallow Line
.....

Swamp	Spring Well, Waterhole	Abandoned	Clear Jungle Forest	Forest	Disturbed Forest	Plantation	Secondary Growth	Contours Form Lines	High	Cliff
.....

Note: Faint Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.

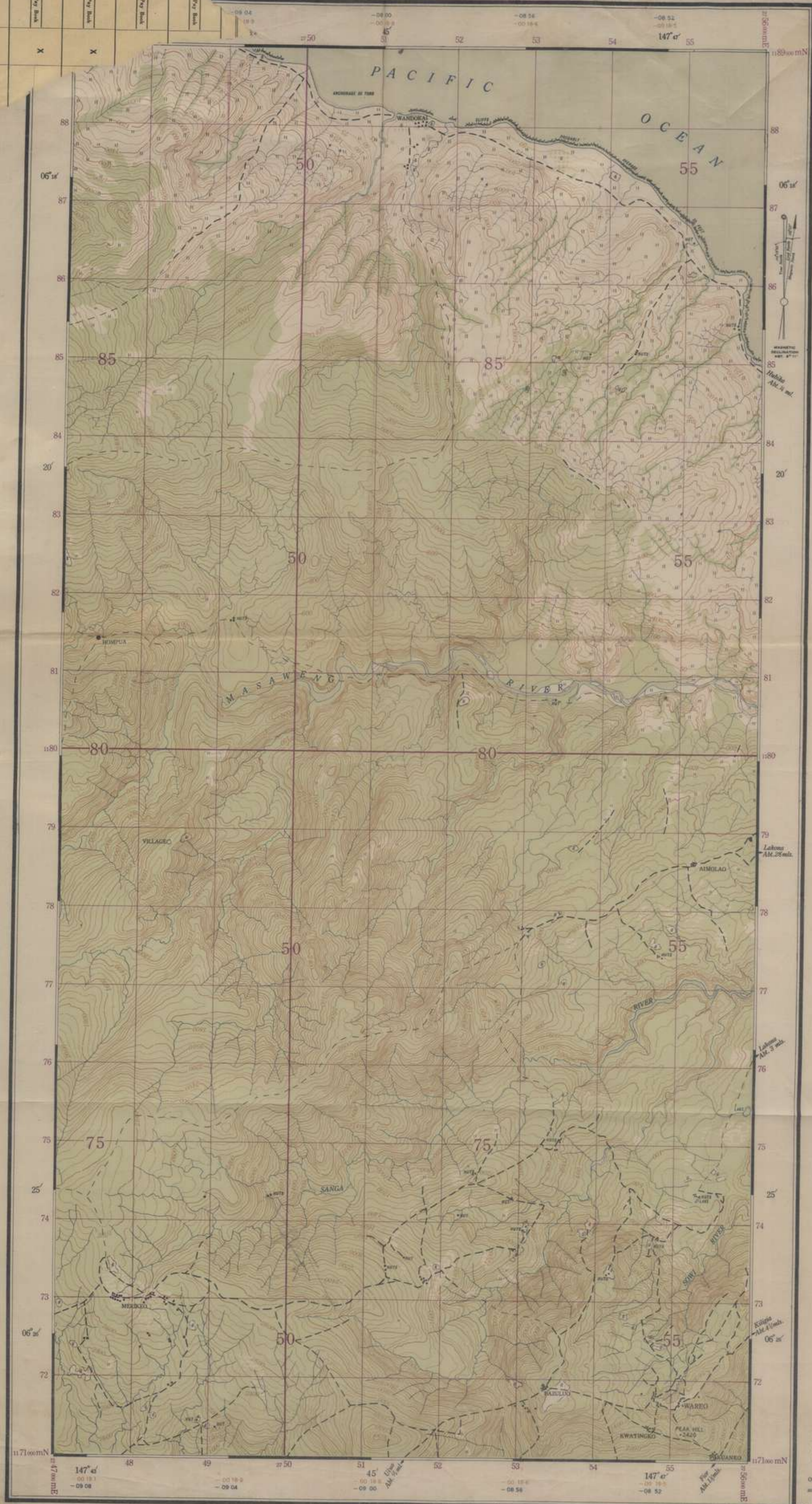
TO USE GRID REFERENCE ON THIS SHEET
FOR AN OBJECT IN THE MAP OR TO DETERMINE THE
GRID REFERENCE OF AN OBJECT IN THE MAP
SEE ATTENTION TO LENGTH, WIDTH AND TO
THICK PRINTED ON FACE OF THE MAP
POINT WAREO VILLAGE

The figures within the borders of this map are for arbitrary purposes.
The brown figures denote convergences and the blue figures denote
corrections in minutes and seconds of mean time.

Officers using this map are requested to make any necessary additions or
amendments on the map itself and forward to A.D. Survey HQ N.G.F.

NGF / 707 / 3662

NOV. 1943

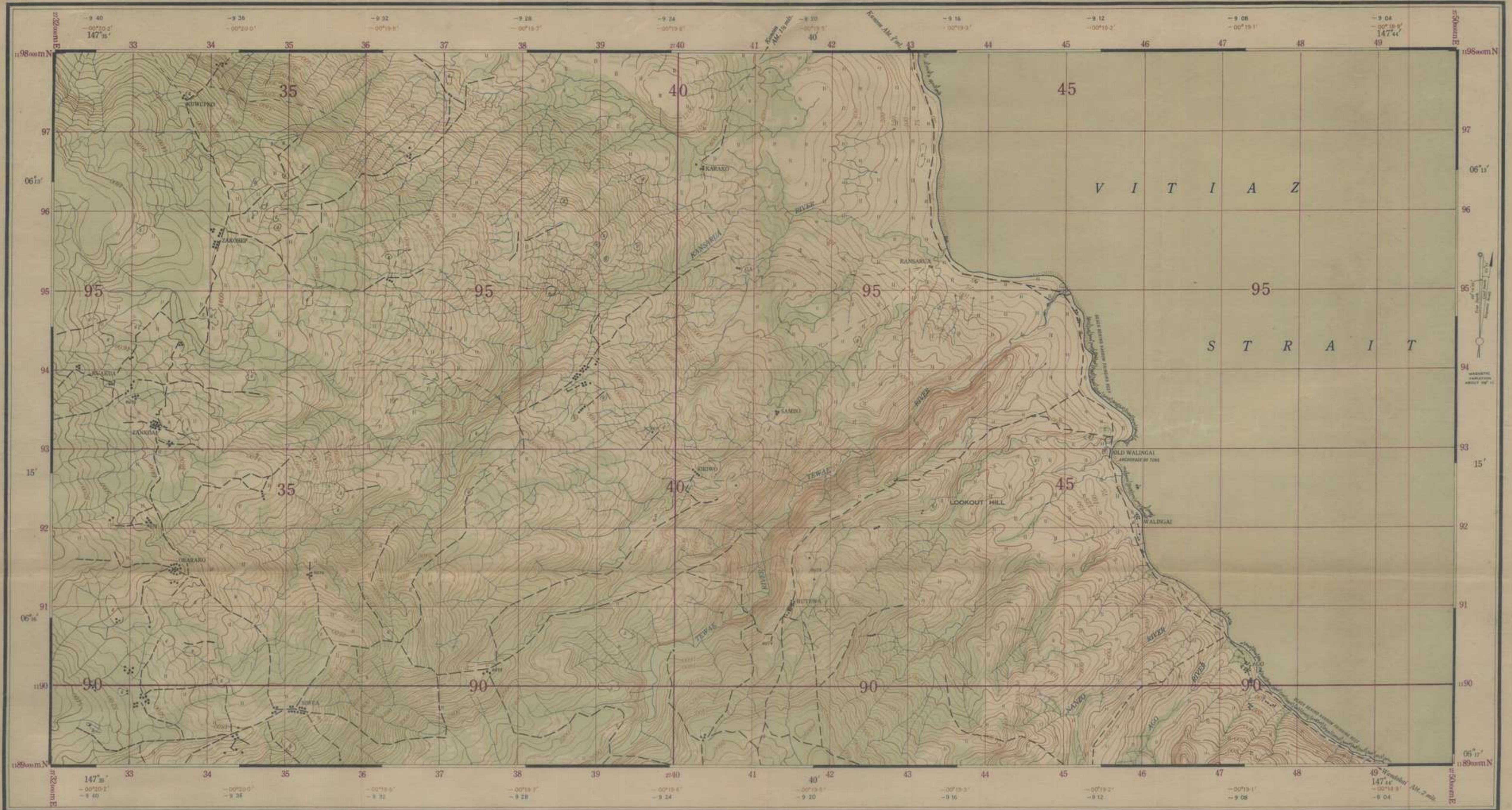


NETHERLANDS EAST INDIES GRID
SOUTHERN NEW GUINEA ZONE

NEW GUINEA WALINGAI

WARNING: GRID ON THIS MAP DOES NOT AGREE WITH
THE GRID SHOWN ON BLUCHER POINT 2060
1:25,000 SERIES, WHICH IS SUPERSEDED.

REFER TO THIS MAP AS
WALINGAI 3674 1:25,000 SERIES



CONTROL: Triangulation and Astronomical Fixation by 2/1 Aust. Army Topo. Survey Coy. at Salankau Lat. 06°33'28.4" Long. 147°51'07.2"

PROJECTION: Lambert Conical Orthomorphic

AIR PHOTOGRAPHY: 8th. Photo Squadron Fifth Air Force 408b 408d 354y 146xx

MISSION: 3 Aust Field Survey Coy AIF with the aid of Air Photographs and Intelligence Reports.

COMPILATION and DRAWING: 2/1 Aust Army Topo Survey Coy

REPRODUCTION: 2/1 Aust Army Topo Survey Coy

Bridge	—
Motor Road	—
Jay Track	—
Foot Track	—
Reported Track	—
Telegraph Line	—
Airfield	—
See Plane Base	—
Cemetery	—
Mission Station	—
Spot Height	—
Grasslands	—



Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NGF



NOTE Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.

The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

TO USE A GRID REFERENCE ON THIS SHEET
For an attention to the details of contour lines at the
top and bottom, and the contour line of elevation
PAY ATTENTION TO LARGER NUMERICAL FIGURES AND TO
THOSE PRINTED ON FACE OF THE MAP
SANDRI (VILLAGES)

Caution: This map was produced from Aerial Photographs. Due to lack of accurate ground control, distances and heights scaled on this map may be at variance with actual ground distances.

Trig. Stations and altitudes	First Class	▲ 100'
	Second	▲ 150'
	Third	▲ 200'
	Fourth	▲ 250'
Astronomical Station		▲ 100'
Native Garden		●
Native Village		○
Undeveloped Native Village		○
Buildings		□
Rice or perennial Stream		—
Non perennial Stream		—
Fathom Line		—

Spring Well, Waterhole	○
Mangrove	—
Dense Jungle Forest	—
Forest	—
Scattered Timber	—
Plantation (under canopy)	—
Secondary Growth	—
Contours - Form Lines	—
Ridges	—
Cliffs	—

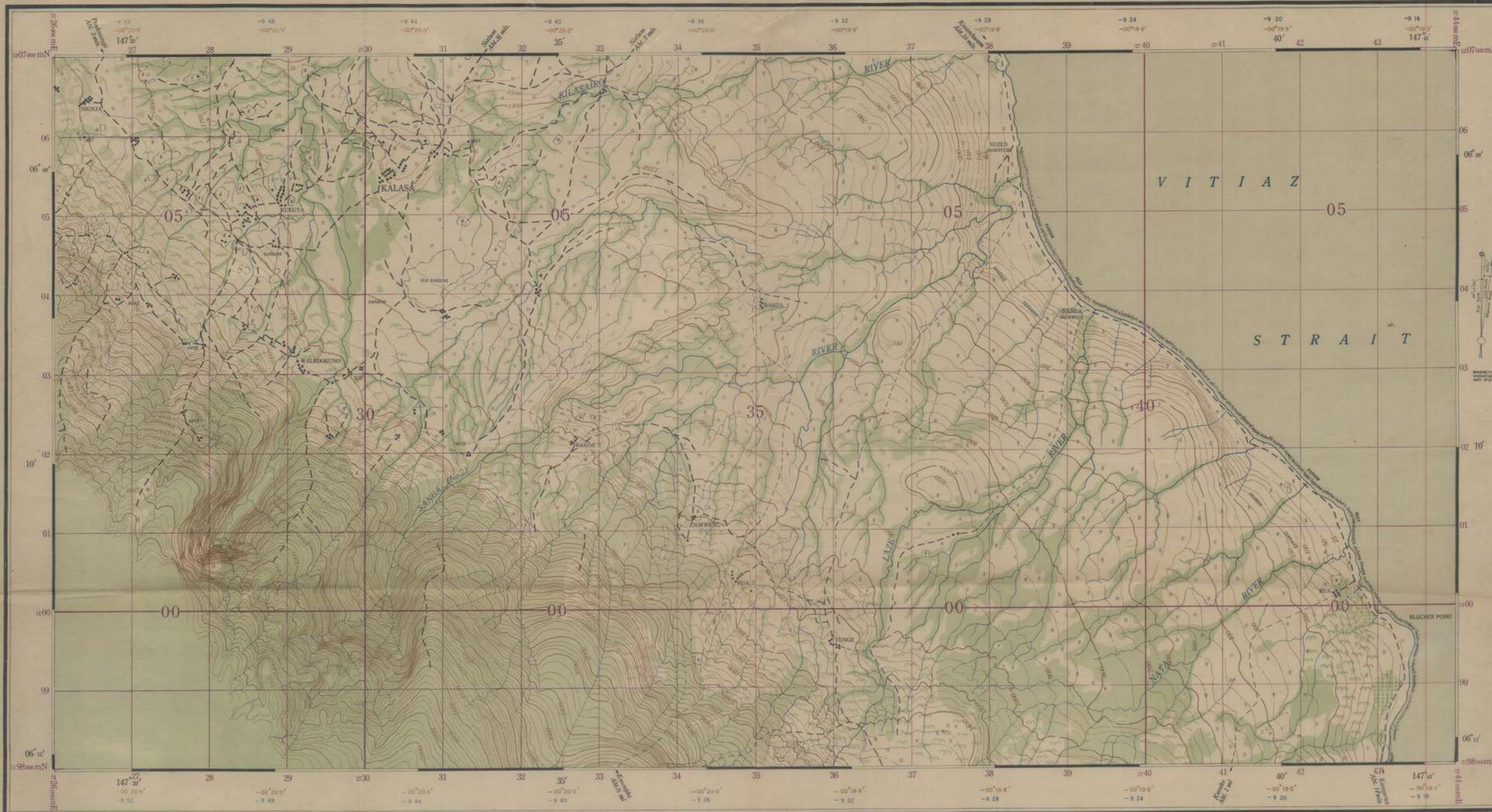
25 DEC 1943

NETHERLANDS EAST INDIES GRID
SOUTHERN NEW GUINEA ZONE

NEW GUINEA KALASA

WARNING: GRID ON THIS MAP DOES NOT AGREE WITH THE GRID
SHOWN ON BLUCHER POINT 2060 AND SIALUM 2053
1:25,000 SERIES, WHICH ARE SUPERSEDED.

REFER TO THIS MAP AS
KALASA 3675 1:25,000 SERIES



CONTROL: Triangulation and Astronomical Fixation by 2/1 Aust. Army Topo. Survey Coy. at Salankau Lat. 06°33' 28.4" Long. 147°51' 07.2"

PROJECTION: Lambert Conical Orthomorphic

AIR PHOTOGRAPHY: 8th. Photo Squadron Fifth Air Force

MISSION: 408 b 408 d

COMPILATION and DRAWING: 3 Aust. Field Survey Coy AIF with the aid of Air Photographs and Intelligence Reports.

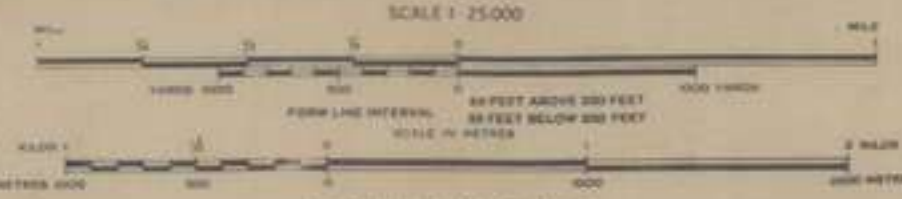
REPRODUCTION: 2/1 Aust. Army Topo Survey Coy



NOTE: Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.



Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NGF



A VERTICAL PHOTOS
B DISTORTED TO AGREE WITH WALINGAI 3674
C NO INFORMATION AVAILABLE

TO GIVE A GRID REFERENCE CORRECT SHEET
FOR AN EXTENSION TO THE PRESENT SHEET CHECK THE
NUMBER AND IN NUMBER, THAT ARE INDICATED ON THE
PAP ATTACHED TO EACH MARGINAL FIGURE AND TO
THESE FIGURES ON EACH OF THE MAP
POINT NANDA (VILLAGE)

Caution: This map was produced from Aerial Photographs. Due to lack of accurate ground control, distances and heights scaled on this map may be at variance with actual ground distances.

Trig Stations and altitudes	First Class	A 805'
	Second	A 842'
	Third	A 523'
	Fourth	A 202'
Astronomical Station		A 805'
Native Garden		A 805'
Native Village		A 805'
Unidentified Native Village		A 805'
Buildings		A 805'
River or perennial Stream		A 805'
Non perennial Stream		A 805'
Fathom Line		A 805'

Swamp		A 805'
Spring Well, Waterhole		A 805'
Mangroves		A 805'
Dense Jungle Forest		A 805'
Forest		A 805'
Scattered Timber		A 805'
Plantation		A 805'
Secondary Growth		A 805'
Contours - Form Lines		A 805'
Islets		A 805'
Cliffs		A 805'

The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

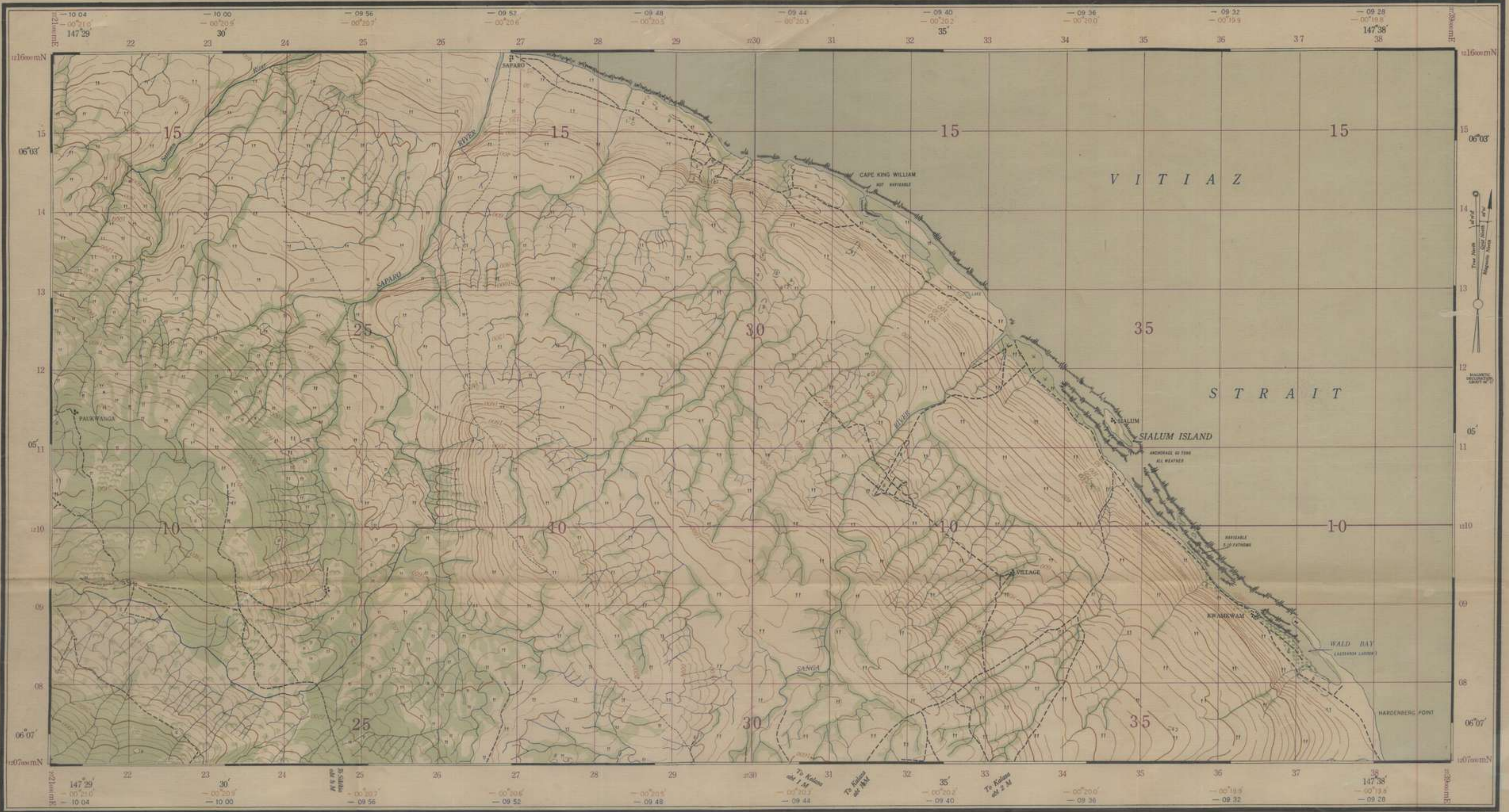
1 JAN 1944

NETHERLANDS EAST INDIES GRID
SOUTHERN NEW GUINEA ZONE

NEW GUINEA CAPE KING WILLIAM

WARNING: GRID ON THIS MAP DOES NOT AGREE WITH
THE GRID SHOWN ON SIALUM 2563
1:25,000 SERIES, WHICH IS SUPERSEDED

REFER TO THIS MAP AS
CAPE KING WILLIAM 3676 1:25,000 SERIES



CONTROL: Triangulation and Astronomical Fixation by 2/1 Aust. Army Topo. Survey Coy. at Salankaua
Lat. 06°33' 28.4"
Long. 147°51' 07.2"

PROJECTION: Lambert Conical Orthomorphic

AIR PHOTOGRAPHY: 8th Photo Squadron, 5th Air Force

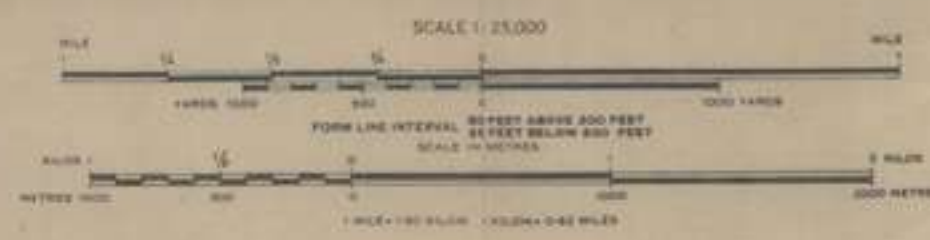
MISSIONS: 408B 408D

COMPILATION & REPRODUCTION: 2/1 Aust. Army Topo. Survey Coy.

Bridge	
Motor Road	
Foot Track	
Reported Track	
Telegraph Line	
Airfield	
Sea Plane Base	
Cemetery	
Mission Station	
Spot Height	
Grasslands	

TO USE A GRID REFERENCE ON THIS SHEET
FOR THE PURPOSE OF THE LOCATION OF OBJECTS SHOWN BY THE
GRID AND TO DETERMINE THE LOCATION OF OBJECTS SHOWN BY THE
GRID, REFER TO THE LAMBERT CONICAL ORTHOMORPHIC
PROJECTION OF THIS MAP.

NOTE: THE GRID ON THIS MAP DOES NOT AGREE WITH THE GRID SHOWN ON SIALUM 2563 1:25,000 SERIES, WHICH IS SUPERSEDED.



The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NGF

NOTE Form Lines are intended to indicate shape of hill features and should not be taken as contours. Heights are only approximate.



Ref.	First Class		▲ 800'
	Second		▲ 550'
	Third		▲ 300'
	Fourth		▲ 200'
	Astronomical Station		
	Native Garden		
	Native Village		
	Unidentified Native Village		
	Building		
	River or perennial Stream		
	Non-perennial Stream		
	Fathom Line		

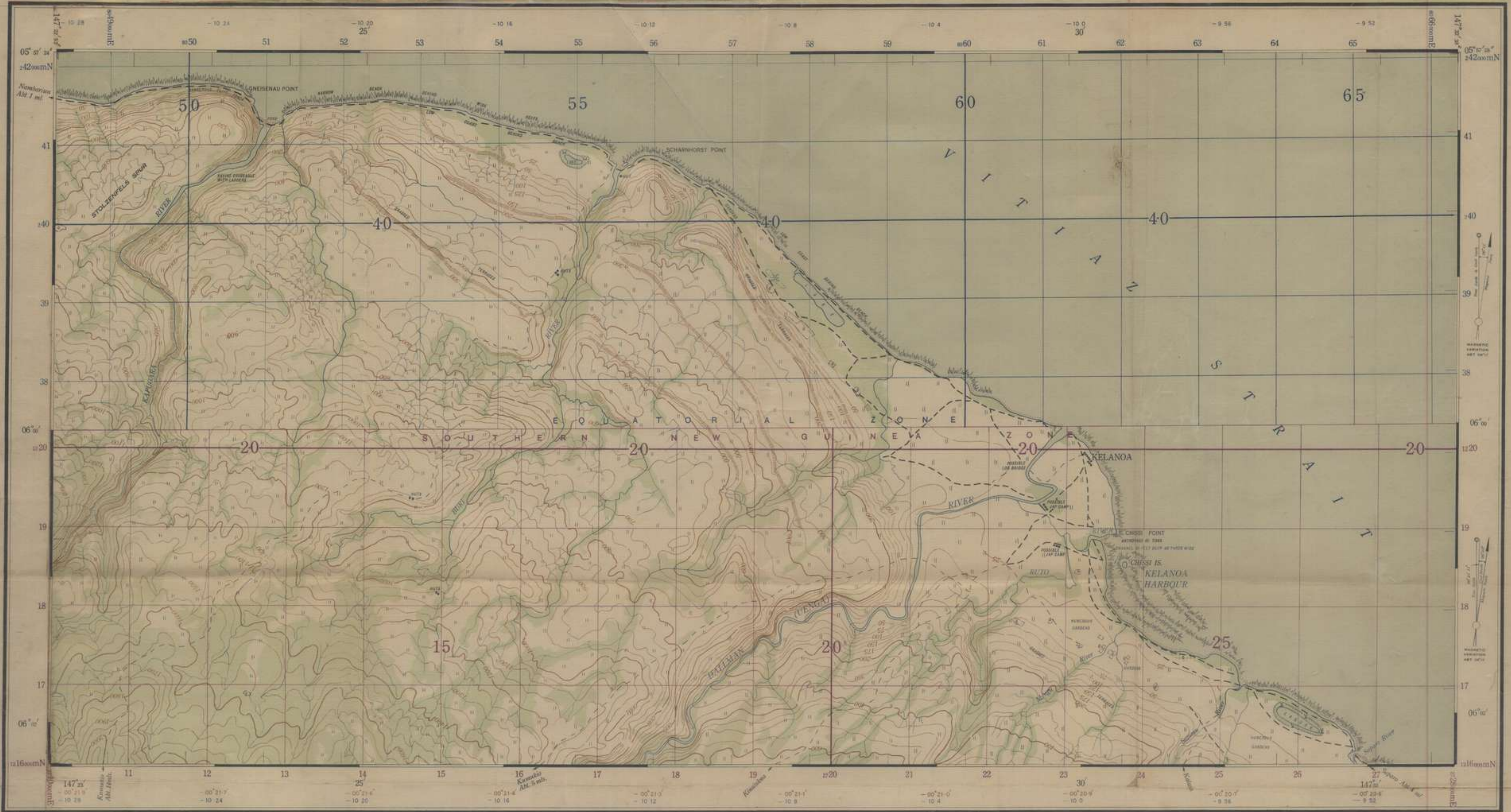
Swamp	
Spring Well, Waterhole	
Mangroves	
Dense Jungle Forest	
Forest	
Scattered Timber	
Plantation	
Secondary Growth	
Contours - Form Lines	
Ridges	
Clefts	

NETHERLANDS EAST INDIES GRID
EQUATORIAL ZONE AND
SOUTHERN NEW GUINEA ZONE

NEW GUINEA SCHARNHORST POINT

WARNING: GRID ON THIS MAP DOES NOT AGREE WITH
THE GRID SHOWN ON KELANOA HARBOUR 3597
1:25,000 SERIES, WHICH IS SUPERSEDED.

REFER TO THIS MAP AS
SCHARNHORST POINT 3677 1:25,000 SERIES



NGP703/3677
CONTROL:
Triangulation and Astronomical Fixation
by 2/1 Aust. Army Topo. Survey Coy,
at Salankaua Lat. 06°33'28.4"
Long. 147°51'07.2"

PROJECTION:
Lambert Conical Orthomorphic

AIR PHOTOGRAPHY:
8th. Photo Squadron Fifth Air Force
MISSION:
408 b 408 d

COMPILATION and
DRAWING:
3 Aust Field Survey Coy AIF
with the aid of Air Photographs
and Intelligence Reports.

REPRODUCTION:
2/1 Aust Army Topo Survey Coy



Note: This map was produced from Aerial Photographs. Due to lack of accurate ground control, distances and heights on this map may be at variance with actual ground distances.

The figures within the borders of this map are for artillery purposes. The brown figures denote convergence and the blue figures denote corrections in minutes and seconds of mean time.

Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. N.G.F.

TO USE A GRID REFERENCE ON THIS SHEET
SEE AN EXPLANATION OF THE QUALITY OF SURVEY CONTROL AT THE
CORNER AND IN BORDERS. THIS MAP WAS CONTROLLED BY THE
FOLLOWING POINTS:

KELANOA VILLAGE

POINT	EASTING	NORTHING
1	19	19
2	20	19
3	21	19
4	22	19
5	23	19
6	24	19
7	25	19
8	26	19
9	27	19
10	28	19
11	29	19
12	30	19
13	31	19
14	32	19
15	33	19
16	34	19
17	35	19
18	36	19
19	37	19
20	38	19
21	39	19
22	40	19
23	41	19
24	42	19
25	43	19
26	44	19
27	45	19
28	46	19
29	47	19
30	48	19
31	49	19
32	50	19
33	51	19
34	52	19
35	53	19
36	54	19
37	55	19
38	56	19
39	57	19
40	58	19
41	59	19
42	60	19
43	61	19
44	62	19
45	63	19
46	64	19
47	65	19
48	66	19
49	67	19
50	68	19
51	69	19
52	70	19
53	71	19
54	72	19
55	73	19
56	74	19
57	75	19
58	76	19
59	77	19
60	78	19
61	79	19
62	80	19
63	81	19
64	82	19
65	83	19
66	84	19
67	85	19
68	86	19
69	87	19
70	88	19
71	89	19
72	90	19
73	91	19
74	92	19
75	93	19
76	94	19
77	95	19
78	96	19
79	97	19
80	98	19
81	99	19
82	100	19

Ref.

Trig Stations and altitude	First Class	▲ 400'
	Second	▲ 450'
	Third	▲ 500'
	Fourth	▲ 550'
Astronomical Station		○
Native Village		●
Unidentified Native Village		○
Buildings		■
River or perennial Stream		—
Non perennial Stream		- - -
Pathway Line		—

Swamp (shown in elevation)

Spring Well, Waterhole	○
Mangroves	■
Dense Jungle Forest	■
Forest	■
Scattered Timber	■
Plantation	■
Secondary Growth	■
Catchers-Farm Lines	—
Ridges	—
Cliffs	—

9 JAN 1944

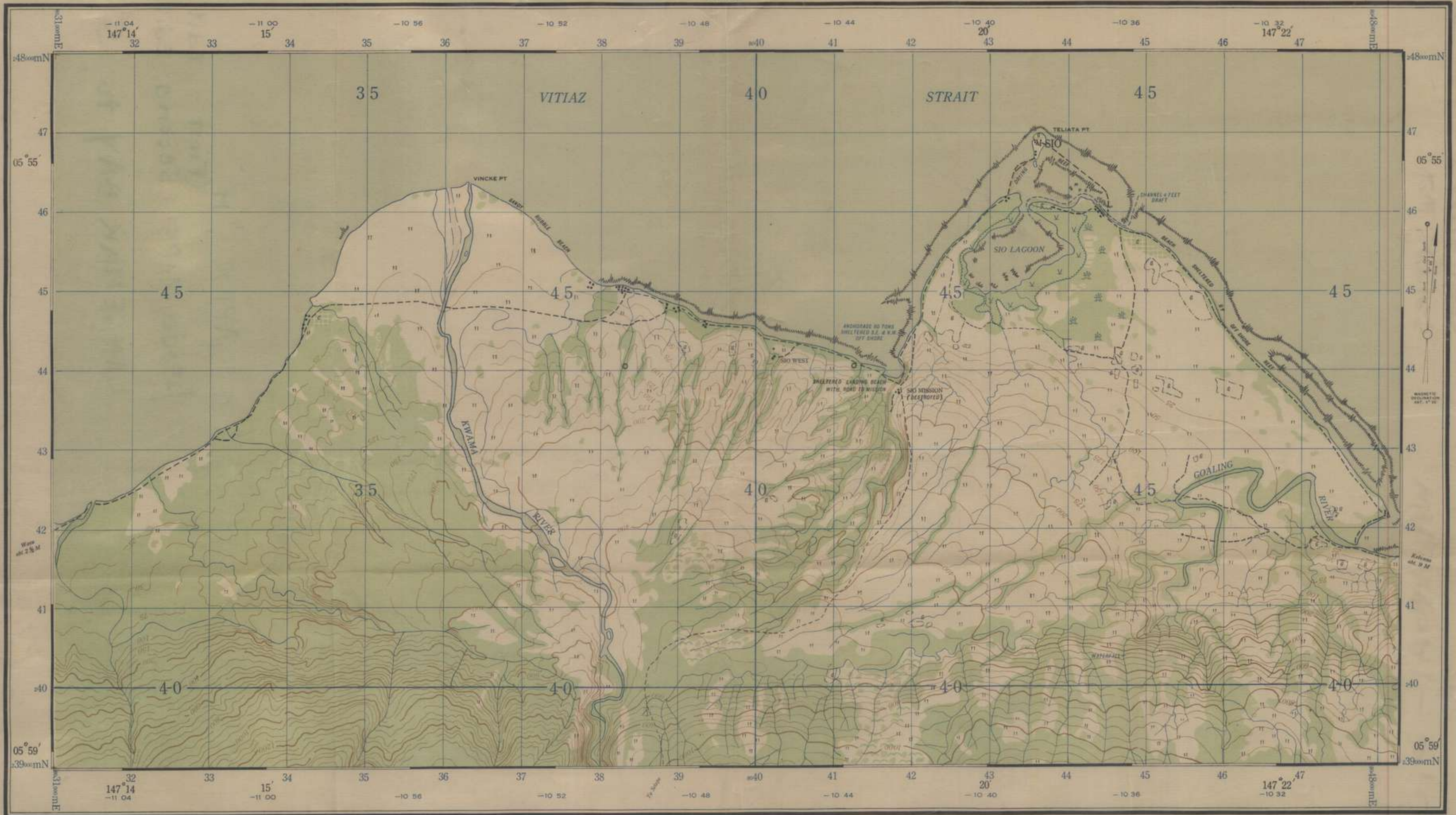
NETHERLANDS EAST INDIES GRID
EQUATORIAL ZONE

SECOND EDITION

NEW GUINEA SIO

NOTE: GRID ON THIS MAP DOES NOT AGREE WITH GRID
OF SIO 3596 1:25,000 SERIES WHICH IS SUPERSEDED

REFER TO THIS MAP AS
SIO 3678 1:25,000 SERIES



CONTROL: Based on triangulation to Blucher Point and Astronomical Fixation by 2/1 Aust Army Topo Survey Coy at Salankaua.
Lat. 06° 33' 28.4"
Long. 147° 51' 07.2"
Control extended from Blucher Point by Air Photography only.

PROJECTION: Lambert Conical Orthomorphic.

AIR PHOTOGRAPHY: 8th Photo Squadron Fifth Air Force

MISSIONS: 408 B, 408 D, 132 Z.

COMPILATION & REPRODUCTION: 2/1 Aust Aust Army Topo Survey Coy

Bridge	—
Motor Road	—
Jeep Track	—
Foot Track	—
Reported Track	—
Telegraph Line	—
Airfield	—
Sea Plane Base	—
Cemetery	—
Mission Station	—
Spot Height	—
Crossroads	—

INDEX TO ADJOINING SHEETS

VITIAZ		
MALA SANGA	SIO	
TIMBE RIVER		STRAIT
	KALASA	



CAUTION: This map is produced from Aerial Photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.

The blue figures within the borders of this map denote corrections in minutes and seconds of mean time. There is no convergence correction in this zone.

Officers using this map are requested to make any necessary additions or amendments on the map itself and forward to A.D. Survey H.Q. NCF

SIO MISSION	
41	43
42	44
43	45
44	46
45	47
46	48
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88	90
89	91
90	92
91	93
92	94
93	95
94	96
95	97
96	98
97	99
98	100

Ref	First Class	▲ 100'
Trig. Stations and altitude	Second	▲ 500'
	Third	▲ 200'
	Fourth	▲ 100'
Astronomical Station		—
Native Garden		—
Native Village		—
Unidentified Native Village		—
Buildings		—
River or perennial Stream		—
Non perennial Stream		—
Fathom Line		—

Swamp	—
Spring Well, Waterhole	—
Mangroves	—
Dense Jungle Forest	—
Forest	—
Scattered Timber	—
Plantation	—
Secondary Growth	—
Contours - Form Lines	—
Ridges	—
Cliffs	—

JAN 44

WALANGAI-SIO

New Series
1/25000

APPX "H"
(First Edition)
1/25000 MAPS (Second Edition)
LANGEMAK BAY to SIO.

SIO 1:25000

when at N.