Declassified E.O. 12356 Section 3.3/NND No. 785020

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Declassified E.O. 12356 Section 3.3/NND No. 785020

10000|120|1957

M 2 A

MALARIA

2nd Cover

Opened Feb. 15, 1945 - Closed Dec. 12, 1945

Feb. - Dec 1945

Declassified E.O. 12356 Section 3.3/NND No. 785020

Medical Branch
Allied Forces Sub Commission
A. C. (MMIA)
Seen
DMS
S/Capt
File Ref M/2A/3596.
Med. Directorate, 14th Army.
Capt. RAMC.

medical.

M.4496/66
12 Dec 45

N.D.H.Q. Hq., N.T.O.
O.C. No. 10 General Depot Medical Store, Naples.
No. 4 Base Depot Medical Store, Bari.
No. 7 Advanced Depot " " Klagenfurt.
No. 2 Base Depot Medical " Rome.

1-4/12/45
130

Subject:- Rail Movement - Medical Stores.

The under-mentioned bills as submitted by this Directorate for movement by rail of medical stores during the period 17-23 Dec 45 have been accepted by C-in-C (Mov & Tn) GHQ.

From	To.	D.V.tons per diem.	Total for period.
Naples	Klagenfurt	1	7
Naples	Rome	2	14
Naples	Naples	23	161
Bari	Naples	2	14
Naples	Bari	23	161
Spittal	Rome		

The consignment from Spittal is from C.E.M. for issue to Central Italian Dep't of Medical Stores.

Please ensure that all medical stores for movement to the places named are delivered during that period.

for Major General,
Dir.

1870

RAMC/Jl.

Copy to:- A.F.H.Q. Allied Sub Commission (MMIA) Rome.
(Reference this Directorate M.4445 of 29 Oct 45).

M/2A/3377

Medical

MINUTES OF CONFERENCE ON

MALARIA CONTROL IN ROME AREA ALLIED COMMAND

8 December 1945

PRESENT:

Colonel G T GARRAWAY	Surgeon (ADMS).
Lt.Col J.C.HEWITT RAMC	10 Malaria Field Lab.
Lt. C.S. CURTIS RAMC	25 Field San Section.
Lt W.R. CHANDLER RA	33 MCU
Major E LISTER CARTER RAMC	DADH RAAC.

Surgeon Read the Minutes of the previous meeting. These were agreed.

1. ROCKEFELLER SCHEME

Control Work has been discontinued. A representative will remain in ROME through the winter.

The question of occupation of LIDO DI ROMA by Troops is still under consideration and no decision has yet been reached.

2. REPORTS OF MCUs

33 MCU and 76 AMCU have now gone over to Anti-Typhus Work.

3. CIVILIAN CONTROL

No representative present.

4. CONTROL IN ITALIAN ARMY

No representative present.

5. OTHER BUSINESS

Surgeon Reported that 10 Malaria Field Laboratory is to be disbanded in the near future. A Malariologist will be attached to 3 District and will be [illegible]

Medical Branch
Land Forces Sub Commission
A.C. (MMIA)
Seen
DDMS
W/Capt
File Ref 18/20/55-76
Date Received 12 Dec.

Declassified E.O. 12356 Section 3.3/NND No. 783020

yet been reached.

2. REPORTS OF MCUs

33 MCU and 76 AMCU have now gone over to Anti-Typhus Work.

3. CIVILIAN CONTROL

No representative present.

4. CONTROL IN ITALIAN ARMY -

No representative present.

5. OTHER BUSINESS

Surgeon Reported that 10 Malaria Field Laboratory is to be disbanded in the near future. A Malariologist will be attached to 3 District and will be stationed in ROME.

The meeting requested Surgeon to obtain from 3 District the latest information on DDT.

6. NEXT MEETING:

It was decided to hold the next meeting some time in February 1946. The date and time will be notified later.

E.LISTER CARTER,
Major RAMC.,
D.A.D.H.

11 Dec 45
ELC/jrb.

983

12/12/45

Medical Branch
Land Forces Sub Commission
A.C. (MMIA)
Seen
ADMS
WCdr
File Ref 18/20/55 76
Date Received 12 Dec.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

DISTRIBUTION:

Malariologist AFHQ
DDMS 3 District
SMO 2 Base Area RAF
ADMS Land Forces Sub Commission (MMIA)
10 Malaria Field Laboratory
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
25 Field Sanitary Section

Malariologist UNRRA
" Public Health Sub Commission AC.

Col Guerra, Direzione Sanità Militare Rome
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramarossa Ufficio di Igiene e Sanità

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

jrb.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject:- Surplus Stocks - Atebrin.

MEDICAL DIRECTORATE.
GHQ. CMF.

M.4415.
29 October 45.

DDMS,
ETOA.
CMF.

Medical

Reference your E.4352/3M dated 26 August 45 and E.4041 M of 13 October 45 in reply to this office M.4415 dated 27 September 45.

Please issue instructions for the following to be consigned to the O.C. Central Italian Medical Stores Depot, Rome:-

ATEBRIN 0.06 grams tablets. No. 25,000,000.
" 0.1 " " No. 500,000.

The vouchers for these stores are to be forwarded to the ADMS, Land Forces Sub-Commission, A.C. (MMIA) Rome.

Please arrange to notify this office when action has been taken.

for Major General,
DMS.

RAM/CMW.

Copy to:- ADMS, L.F. Sub-Commission, A.C. (MMIA) Rome.
(Supply in part of 1946 requirement. Your M/2A/3198 dated 24 September 45 refers)
Please inform this office date of receipt.

Ack

M/2A/3377
M/2A/1868

Declassified E.O. 12356 Section 3.3/NND No. 785020

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON
APO 794 US ARMY

SUBJECT: Malaria Conference

Reference: Med(Br)329.

DDMS UDF Adm HQ (Main)
ADMS Land Forces Sub Commission AC (MMIA)
SMO 2 Base Area RAF
Malariologist ATC Ciampino Airport.
OC 10 Malaria Fd Laboratory
25 Field Sanitary Section
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
6652nd Malaria Control Unit

Malariologist UNRRA City
" " Public Health Sub Commission AC

Colonel Guerra, Direzione Sanita Militare, Rome
Prof Missaroli, Istituto Superiore di Sanita
Prof Cramarossa, Ufficio di Igiene e Sanita

Copy to : G-1 RAAC.

1. The next meeting of the Malaria Committee will be held on Saturday 20 October 1945 at 1130 hours at the Office of the Surgeon, Rome Area Allied Command.

For the SURGEON:

E.LISTER CARTER,
Major RAMC.,
D.A.D.H.

14 Oct 45.
ELC/EB.

11/DA/3307

med.

MINUTES OF CONFERENCE ON MALARIA CONTROL IN ROME AREA ALLIED COMMAND

29 September 1945

PRESENT:

Colonel G.T.GARRAWAY	Surgeon RAAC.
Major D.ETHERINGTON	10 Malaria Field Laboratory
Major J.C.HEWITT	10 Malaria Field Laboratory
Capt E.M.LIVINGSTONE	6652 Mal Control Det (Prov)
Capt H.C.KNOWLES	CRTA
Capt J.W.WRIGHT	UDF Adm HQ (Main)
Capt F.TAYLOR	RE Representative
Lieut J.N.EMPSTALL	76 AMCU
1st/Lt E.M.McHENRY	CRTA
Lieut C.S.CURTIS	25 Field Sanitary Section
Sgt D.J.P.JEFFREY	33 MCU
Mr Fred W KNIPE	AC Pub Health Sub-Commission
Mr K SCHULZ	UNRRA Health Division
Prof Cramarossa	Ufficio di Igiene e Sanità
Major E.LISTER CARTER	DADH RAAC.

SURGEON Read the minutes of the previous meeting. These were agreed.

1. ROCKEFELLER SCHEME

More mosquitoes have been found in the MACCARESE area due to cultivated rice fields. In the outskirts of FREGENE, where no mosquitoes had previously been found throughout the summer, a case of civilian malaria was reported and numbers of mosquitoes were found in a local pigsty. It was recommended that a curfew be instituted at FREGENE for all military personnel to be clear of the area by 1800 hours.

1366

Declassified E.O. 12356 Section 3.3/NND No. 785020

Prof Oremarossa
Major E.LISTER CARTER

Ufficio di Igiene e Sanità
DADH RAAC.

SURGEON - Read the minutes of the previous meeting. These were agreed.

1. ROCKEFELLER SCHEME

More mosquitoes have been found in the MACCARESE area due to cultivated rice fields. In the outskirts of FREGENE, where no mosquitoes had previously been found throughout the summer, a case of civilian malaria was reported and numbers of mosquitoes were found in a local pigsty. It was recommended that a curfew be instituted at FREGENE for all military personnel to be clear of the area by 1800 hours.

1366

Outside the zone of control superpictus and claviger mosquitoes have been found.

The Rockefeller Scheme is to continue through the winter.

2. REPORTS OF MALARIA CONTROL UNITS

6652nd Malaria Control Det

Adult and Larval control continues. No breeding has been discovered except for GUIDONIA. DDT 5% in Kerosene has been used for water control.

This unit is not operating after 30 September 1945.

76 Anti Malaria Control Unit

M/28.

Canalizing work finished. Oiling programme continues.

A new course of DDT spraying through the area under control has been completed.

P/A

Declassified E.O. 12356 Section 3.3/NND No. 785020

33 Malaria Control Unit

Routine work continues. There were no catches of mosquitoes recorded at CIVITAVECCHIA. At SAN SEVERO the number is falling. One female anopheline was caught in ROME on Route 3.

UDF

The whole area has been covered at COLLEFERRO. Full malaria precautions are carried out and strict personal precautions by drivers and other personnel on duty at night have been enforced.

UNRRA

Spraying is in progress in the ANZIO region.

Experiments have been carried out on hibernating mosquitoes.

3. OTHER BUSINESS:

The US Redeployment area at CECCHIGNOLA is due to close on 15 Oct 45.

Instructions are awaited from AFHQ regarding the end of the present malaria season.

4. NEXT MEETING:

The next meeting of the Malaria Committee will be held at 1130 hours at the Office of the Surgeon, Rome Area Allied Command on Saturday 20 October 45.

For the SURGEON.

Declassified E.O. 12356 Section 3.3/NND No. 785020

mosquitoes.

3. OTHER BUSINESS:

The US Redeployment area at CECCHIGNOLA is due to close on 15 Oct 45.

Instructions are awaited from AFHQ regarding the end of the present malaria season.

4. NEXT MEETING:

The next meeting of the Malaria Committee will be held at 1130 hours at the Office of the Surgeon, Rome Area Allied Command on Saturday 20 October 45.

For the SURGEON:

E.LISTER CARTER,
Major RAMC.,
D.A.D.H.

4 Oct 45
ELC/jrb.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

DISTRIBUTION LIST

Minutes of Conference on Malaria Control in Rome Area Allied Command held on Saturday 29 Sep 45.

Malariologist PBS APO 782 US Army
" ATC Ciampino Airport
" CRTA
OC 6652nd Malaria Control Det
DDMS UDF Adm HQ (Main)
DDMS 3 District
ADMS Land Forces Sub-Commission (MMIA) AC
SMO 2 Base Area RAF
OC 10 Malaria Field Laboratory
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
25 Field Sanitary Section

Malariologist UNRRA Health Division
" Public Health Sub Commission AC

Col Guerra, Direzione Sanità Militare, Rome.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramarossa, Ufficio di Igiene e Sanità

Malariologist AFHQ)
" MTOUSA) For
AAF MTO) information
AAFSC MTO)

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

1865

-0-0-0-0-0-0-

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject : Benzedrine Tablets

Land Forces Sub Comm.
A.C. (MAMA)
MCMEF
20/24/3198
14 Sept. 45

IBMS AFHQ

Ref your M.4415 of 21st. Sept. 45.

It is anticipated that the Italian Armed Forces will require a total of Fifty Million Benzedrine Tablets each year.

Estimated stocks at the end of the present season, Ten Million Tablets.

/A.F.

Lt.-Col.
A.D.A.G. for
Land Forces Sub Comm. AC. (MAMA)

1864

2149

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS

OFFICE OF THE SURGEON

Subject : Mepacrine Supplies

Reference: M. 4415

To : A.D.M.S.
(M.M.I.A.) A.C.,
ROME.

In order that provision action may be taken to ensure supplies of Mepacrine for 1946 it would be appreciated if you would report what you consider will be the estimated requirements of the Italian Army during next year.

An estimate of the stocks remaining at the end of the present season would also be appreciated.

Major-General,
SURGEON, D.M.S.

21 Sep 45
AFD/CK.

M/2H/3184.

40 bulletins checked daily
Ask Lt Reggio!

1863

Declassified E.O. 12356 Section 3.3/NND No. 785020

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

SUBJECT : Malaria Conference

Reference : Med(Br)329

DDMS UDF Adm HQ (Main)
ADMS Land Forces Sub Commission AC (MMIA)
SMO 2 Base Area RAF
Malariologist ATC Ciampino Airport
" CRTA
OC 10 Malaria Fd Laboratory
25 Field Sanitary Section
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
6652nd Malaria Control Unit

Malariologist UNRRA City
" Public Health Sub Commission AC

Colonel Guerra, Direzione Sanita Militare, Rome
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramarossa, Ufficio di Igiene e Sanità

MED.

Copy to : G-1 RAAC.

1. The next meeting of the Malaria Committee will be held on Saturday 29 September 1945 at 1130 hours at the Office of the Surgeon, Rome Area Allied Command. 1862

For the SURGEON:

E.LISTER CARTER,
Major RAMC.,
D.A.D.H.

23 Sep 45
ELC/jrb.

M/29/3191

Declassified E.O. 12356 Section 3.3/NND No. 785020

MINUTES OF CONFERENCE ON

MALARIA CONTROL IN ROME AREA ALLIED COMMAND

Mal

2 September 45

PRESENT:

Colonel G.T.GARRAWAY	Surgeon RAAC.
Major D.ETHERINGTON RAMC	10 Malaria Field Laboratory
Capt F TAYLOR RE	RE Representative
Lieut C.S.CURTIS RAMC	25 Field Sanitary Section
Lieut J. EMPSALL Manch	OC 76 AMCU
WO II K SCHULZ SAMC	DDMS UDF Adm HQ
Sgt D.J.P. JEFFREY	33 Malaria Control Unit
Doctor F.L.SOPER	AC Malaria Control
Mr Fred W.KNIPE	AC Malaria Control
Major E.LISTER CARTER RAMC	DADH RAAC.

Surgeon Read the minutes of the previous meeting. These were agreed.

1. ROCKEFELLER SCHEME

Control work continues as usual. There is a slight increase in the number of mosquitoes caught, but in the LIDO area there is no increase.
DDT Spraying is the method of control and no anti-larval work is carried out.

2. REPORTS OF MALARIA CONTROL UNITS:

6652nd Malaria Control Unit (US)

No representative present. 1861

UDF 187

Anti larval and anti-adult measures are in force. Mepacrine parades are held regularly. Although DDT is available Major Etherington thought that

Surgeon Read the minutes of the previous meeting. These were agreed.

1. ROCKEFELLER SCHEME

Control work continues as usual. There is a slight increase in the number of mosquitoes caught, but in the LIDO area there is no increase.
DDT Spraying is the method of control and no anti-larval work is carried out.

2. REPORTS OF MALARIA CONTROL UNITS:

6652nd Malaria Control Unit (US)

No representative present.

1861

UDF

187

Anti larval and anti-adult measures are in force. Mepacrine parades are held regularly. Although DDT is available Major Etherington thought that as it is now late in the season, anti-mosquito spray can be used instead of DDT at COLLEFERRO.

76 Anti Malaria Control Unit

Control work continues. There have been no catches.

33 Malaria Control Unit

Adult and larval measures are being carried out.
In CIVITAVECCHIA there were no catches, in SAN SEVERO the catches are dropping in number and in ROME there were none.

3. CIVILIAN CONTROL

DDT is not available. Doctor Cramerossa stated that the work of the military authorities is very much appreciated.

M/2H.

Declassified E.O. 12356 Section 3.3/NND No. 785020

4. OTHER BUSINESS:

DADH Reported that British Leave trains passing through malarious areas were being supervised and aerosol bombs and repellant cream were being used.

5. NEXT MEETING:

The next meeting will be held on Saturday 29 September 45 at 1130 hours at the Office of the Surgeon, Rome Area Allied Command.

For the SURGEON:

E.LISTER CARTER,
Major RAMC.,
D.A.D.H.

6 Sep 45
ELC/jrb.

DISTRIBUTION:

Malariologist PBS APO 782 US Army
" ATC Ciampino Airfield
" CRTA
OC 5652nd Malaria Control Det
DDMS UDF Adm HQ (Main)
DDMS 3 District
ADMS Land Forces Sub Commission (MMA)
SMO 2 RAF Base Area
10 Malaria Field Laboratory
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE

Malariologist UNRRA City
" Public Health Sub Commission AC
Col Guerre Direzione Sanità

Declassified E.O. 12356 Section 3.3/NND No. 785020

Malariologist PBS APO 782 US Army
" ATC Ciampino Airfield
" CRTA
OC 6652nd Malaria Control Det
DDMS UDF Adm HQ (Main)
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362 Works Section RE

Malariologist UNRRA City
" Public Health Sub Commission AC

Col Guerra, Direzione Sanità Militare, Rome.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa Ufficio di Igiene e Sanità

Malariologist AFHQ)
" MTOUSA) For
" AAF MTO) information
" AAFSC MTO)

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

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Med

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

SUBJECT : Malaria Conference

Reference : Med(Br)329

DDMS UDF Adm HQ (Main)
ADMS Land Forces Sub-Commission (MMIA)
SMO 2 RAF Base Area
Malariologist ATC Ciampino Airfield
" CRTA
OC 10 Malaria Field Laboratory
25 Field Sanitary Section
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
6652nd Malaria Control Unit

Malariologist UNRRA City
" Public Health Sub-Commission AC

Col Guerra, Direzione Sanità Militare, Rome
Prof Missaroli, Istuto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Copy to : G-1 RAAC.

1. The next meeting of the Malaria Committee will be held on Sunday 2 September 45 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

For the SURGEON:

1869

E.LISTER CARTER,
Major RAMC.,
D.A.D.H.

27 Aug 45
ELC/jrb.

M/2H/3037

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Supply of Heparine

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/2M/2899
// Aug 45

Ministry of War,
Direzione Generale di Sanita Militare

Copy to: Medical IO MMIA

Reports from British authorities show that there is a deficiency of Heparine in Bolzano and Udine areas.

The Depot at Naglinna has been instructed to send one million tablets to each on Monday 13 Aug 45.

Transport has been arranged.

A.W.J. Couper,
Staff Capt.
for A.D.M.S.

1859

/1850 Land Forces Sub Comm. AC (MMIA)

Declassified E.O. 12356 Section 3.3/NND No. 785020

-6 GIU 1945

Ministero della Guerra
DIREZIONE GENERALE DI SANITA MILITARE

Roma, Agosto 1945

Divisione III Sez. CF
Prot. N. 6/4654/6673 Allegati UNO

ALLA LAND FORCES SUB COMMISSION A.C. (MIA)
ROMA

Risposta al f. del 12.6.1945
Div. Sez. MA/2A/2374

OGGETTO Situazione stocks di mepacrina.-

Si trasmette lo specchio richiesto col foglio in riferimento, riflettente la situazione degli sotcks, di mepacrina e prodotti equivalenti, esistenti nei depositi sanitari italiani alla data del 25 luglio 1945.-

p. IL MINISTRO
S. TADDA

M/24

P/R 1859

Declassified E.O. 12356 Section 3.3/NND No. 785020

CONSISTENZA METALLICA E PRODOTTI EQUIVALENTI ESISTENTI NEI DEPOSITI SANITARI ITALIANI ALLA DATA 25 LUGLIO 1945.

Palermo	Tav.	2.970.000
Bari	"	3.000.000
Napoli	"	2.200.000
Roma	"	2.150.000
Cagliari	"	3.470.000
Firenze (con Dep."T")	"	950.000
Bologna (con Osp.Ancona e Dep. "S")	"	1.075.000
Genova	"	17.000
TOTALE	Tav.	15.842.000

1857

MINUTES OF CONFERENCE ON
MALARIA CONTROL IN ROME AREA ALLIED COMMAND.

5th Aug 1945.

PRESENT:

Colonel G.T. GARRAWAY	Surgeon, RAAC.
Lt.Col. Benjamin L. CAMP	Deputy Surgeon, RAAC.
Colonello Vicenzo GUERRA	Direziono Sanita Territorio di Roma.
Lt.Colonello Massa FILIPPO	Direzione Sanità Territorio di Roma.
Major D. ETHERINGTON	10 Malaria Fd Laboratory.
Capt. F. TAYLOR	RE Representative.
Capt. J.W. WRIGHT	UDF. Admin. HQ. (Main).
Lt. M.T HULBERT	C.R.T.A.
Lt. C.S. CURTIS	25 Fd. Sanitary Section.
Lt. R.D. JOHNSON	33 M.C.U.
Sgt. F. BURGIN	76 A.M.C.U.
Dr. CRAMEROSSA	Ufficio di Igiene e Sanità.
Major W. DAVIDSON	DADH., RAAC.
Capt. LIVINGSTONE	6652 Malaria Control Det.

Surgeon — Read the minutes of the previous Meeting. These were agreed.

There was no representative of A.C. (Italy) to outline the progress of the Rockefeller scheme.

Col. Camp — Introduced Capt. LIVINGSTONE who is in process of activating 6652 Malaria Control Detachment.

1. REPORTS OF MALARIA CONTROL UNITS.

6652 Malaria Control Det. (US)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Lt. R.D. JOHNSON	33 M.C.U.
Sgt. F. BURGIN	76 A.M.C.U.
Dr. CRAMEROSSA	Ufficio di Igiene e Sanità.
Major W. DAVIDSON	DADH., RAAC.
Capt. LIVINGSTONE	6652 Malaria Control Det.

Surgeon — Read the minutes of the previous Meeting. These were agreed.

There was no representative of A.C. (Italy) to outline the progress of the Rockefeller scheme.

Col. Camp — Introduced Capt. LIVINGSTONE who is in process of activating 6652 Malaria Control Detachment.

1. REPORTS OF MALARIA CONTROL UNITS.

6652 Malaria Control Det. (US)

Capt. Livingstone — Reported that there had been a slight lapse between the departure of 133 (US) Malaria Control Det. and the arrival of his unit. Work was well in hand however both at GUIDONIA where there has been some breeding, and at CIAMPINO and CECCHIGNOLA where there was hardly any breeding.

33 (Br) Malaria Control Unit.

Lt. Johnson — Usual control programme was being continued. The catches around ROME were small. Control at S. SEVERO have been extended owing to the discovery of moderately large catches in the periphery of the control zone. The watercourses in CIVITAVECCHIA have dried up and catches in that area are nil.

76 (Br) A.M.C.U.

Sgt. Burgin — Carrying on with weekly scheduled

1356

Declassified E.O. 12356 Section 3.3/NND No. 785020

programme. Catches are still few and still all A. maculipennis typicus.

Capt. Wright — UDF commitments in ROME are diminishing. The only area about which some concern is felt is COLLEFERRO where there have been some moderate catches of A. maculipennis typicus. DDT will be made available for use in this area as soon as possible.

2. CONTROL IN ITALIAN ARMY.

Col. Guerra — There have only been 14 Fresh cases of Malaria in Italian troops around ROME this season. The only troops in a bad area, those at FROSINONE, have now been moved.

3. CIVILIAN CONTROL.

Dr. Cramerossa — There have been 15 cases of Fresh Malaria in ROME this year - a thing previously unheard of. Allied Commission (Italy) were being asked to help in the control of breeding which is going on in stagnant water throughout the city.

4. NEXT MEETING.

The next meeting will be held on Sunday, 2 Sep 1945 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

W. DAVIDSON,
Major, RAMC,
D.A.D.H.

6 Aug 45.
WD/ss.

Declassified E.O. 12356 Section 3.3/NND No. 785020

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W. DAVIDSON,
Major, RAMC,
D.A.D.H.

6 Aug 45.
WD/ss.

DISTRIBUTION.

Malariologist PBS APC 782 US Army.
" ATC Ciampino Airport.
" C.R.T.A.
OC., 6652 Malaria Control Det. (US).
DDMS UDF Adm HQ (Main).
DDMS 3 District.
ADMS Land Forces S-Comm (MTOA).
SMO 2 RAF Base Area.
10 Malaria Fd. Laboratory.
33 Malaria Control Unit.
76 Anti Malaria Control Unit.
25 Fd. Sanitary Section.
362 Works Sec RE
Col. Guerra, Direzione Sanità Militare, Roma.
Malariologist UNRRA City.
" Public Health S-Comm AC.
Malaria Control Dem. Unit, AC.
Prof. Missaroli, Ist. Superiore di Sanità.
Dr. Cramerossa, Ufficio di Igiene e Sanità.
Malariologist, AFHQ.
Malariologist, MTOUSA.
Malariologist, AAF/MTO.
Malariologist, AAFSC/MTO.

RMAC Distribution
Commanding General.
Deputy Commander.
G-1 (Br)
G-1 (US)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

JVN

M of War

Dtd 30 July 45

To Addressee and copy to
MMIA

Ref 4/2383/I.S.

Subject : Anti-Malarial Precautions.

Ref. Letter No 20183.4.AG-1141 dtd 23 Mar 45.

Ref: the above-mentioned letter, we send herewith a copy of Letter No. 02/2560/San dtd 26 Jul 45 from Medical Department Italian H.Q. 212.

Director General,

sgd. S. Fadda.

8/s Vinaccia

M/2A/2827.

1855

TRANSLATION

: 212 Italian H.Q. Ref : 02/2560/San.

To : M of War Dtd : 26 July 45

Subject : Anti-Malarial Precautions - Collaboration with Civilian Medical Authorities.

In accordance with the instructions of M of War - Military Medical Directorate General - issued in Circular No N/4/1161/IS dtd 7 April 45, ~~the due~~ Suitable agreements have been reached with the civilian medical authorities. ~~The appocite~~ Suitable squads formed for anti-malarial ground work, under the orders of Battalion Medical Officers and other officers and N.C.O.'s who have attended the practical course for the preparation of technical anti-malarial precautions, are carrying out in the localities here shown, under the ~~Areas~~ Areas in which they are located, the said light anti-malarial ground work.

H.Q. 1 Area.

-Locality of BAGNOLI (vicinity of the Conte di Torino Barracks);

-MELITO di NAPOLI and adjacent areas;

-Locality of DUGENTA and adjacent areas;

-AVERSA (Purgatorio and cemetery areas);

-PISCINOLA and environs (the light ground work is being done in collaboration with the American squad of the 357° camp Sn. E. 250)

-GRICIGNANO-FRANCOLISE-CASAGIOVE-FERTILIA-PIANO DI CAIAZZO.

H.Q. 2 Area.

Declassified E.O. 12356 Section 3.3/NND No. 785020

anti-malarial ground work.

H.Q. 1 Area.

-Locality of BAGNOLI (vicinity of the Conte di Torino Barracks);

-MELITO di NAPOLI and adjacent areas;

-Locality of DUGENTA and adjacent areas;

-AVERSA (Purgatorio and cemetery areas);

-PISCINOLA and environs (the light ground work is being done in collaboration with the American squad of the 357° camp Bn. E. 250)

-GRICIGNANO-FRANCOLISE-CASAGIOVE-FERTILIA-PIANO DI CAIAZZO.

H.Q. 2 Area.

-Tract of land intended for the 1942 exhibition (Cecchignola-Roma);

1554

-Tract of land to the north of the horse-breeding depot (Grosseto);

-Tract of land to the south-east of the 1942 exhibition area by Via Laurentina (Cecchignola-Rome);

-Tract of land to the east of Church of Sepolcro di Nerone (Via Cassia-Roma)

H.Q. 4 Area.
Locality of STAGNO, to the southern boundary of the province of Leghorn.

-CALAMBRONE area, whose river divides the provinces of Pisa and Leghorn.

- TOMBOLO locality, in the province of Pisa.

- Communities to the south of Leghorn: CECINA-CAMPIGLIA-CASTAGNETO-ROSIGNANO, situated at the boundary of the province of Grosseto.

Declassified E.O. 12356 Section 3.3/NND No. 785020

The light ground work consists, essentially, of the follo

A. ANTI-LARVAL PRECAUTIONS.

1- Filling in of depressions in the ground;

2- Drainage of stagnant water and flushing with running water;

3- Periodical de-mossing and cleaning of all non-eliminable water receptacles, practised every ten days, (reservoirs, animal-troughs etc.)

4- The spreading of oil, previous to de-mossing, on the surface of stagnant water. To this purpose is largely used Malariol, a liquid of high potency as a larvacide, issued by the Allied Authorities. This is spread on the surface of the water by means of a pump with a sprayer, similar to those used for spraying copper-sulphate on vines, or likewise by an ordinary sprayer, constructed, more often than not with any available means.

5- Paris Green is used for animal drinking-troughs and other small receptacles for water; it is advisably used by mixing with ordinary road-dust to a proportion of 1%. The mixture is made by shaking in a closed receptacle.

B. PRECAUTIONS AGAINST THE ADULT INSECT.

The communications between the interiors and exteriors of military buildings and encampments, are continually under observation, and care is being taken to repair and renovate wire-mesh used for long periods.

In closed places, is used, to satisfactory effect, anti-mosquito liquid.

Chemical Phrophylactics:-

Effected by the daily administering of a concentrate of 0.1 grammes of Atebrin, to all military personnel, without exception. Officers included. The administering of the phrophylatic medicine is made under the supervision of the unit's M.O. in conjunction with the Ord. Officer of the day.

We may say that, until now, the results of such phrophylactic

Declassified E.O. 12356 Section 3.3/NND No. 785020

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We may say that, until now, the results of such phrophylactic measures have been quite satisfactory, inasmuch as, although there is a high number of military personnel suffering from malaria, the number of relapses remains notably small.

By order
The Colonel Chief of S.M.
E. Giordano.

R.S. Vicenza

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

(Copy)

Translation

From : 205 Div. Hq. Ref. : 956/3 s.M.
To : MOW Date : July 26, 1945
Subject : Anti-larva campaign - Collaboration with the civilian medical authorities.

Ref. your letter No. 4/1161/I.S dated April 7, 1945.

In compliance with instructions contained in the a/m letter, the anti-larva campaign at all of the units under our command has been increased considerably.

A detailed report has been made to the Medical Directorate of the Naples Military Territorial Command in regard to units located in the Naples area.

In accordance with instructions issued by this Hq., the medical officers of Italian Army units under our command, located in the Pisa, Florence, Foggia, Bari, and Brindisi zones, have kept in close contact with the civilian medical authorities (provincial anti-malaria committees, Provincial doctors, medical officers of the communes) and with the Allied authorities.

In all of the a/m areas, squads for local anti-malaria disinfestation work have been organized by the individual companies. These squads operate in collaboration with the civilian squads and with Allied units specializing in anti-malaria campaigns.

The a/m squads have been trained for the purpose and have for cadre Senior NCOs and Junior NCOs who have attended pratical pre-pratory courses for the anti-malaria campaigns in 1945. Said courses have all been held, by order of this Hq., at all of the units under our command by medical officers who have carried out an ample theoretical and practical program (your letter No. 4/552/I.S. dated Feb. 22, 1945).

(Sgd) Dr. Luigi Carbone,
Captain, M.C.

1853

Cpl. VLC
W

Declassified E.O. 12356 Section 3.3/NND No. 785020

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

SUBJECT : Malaria Conference

Reference : Med(Br)329

DDMS UDF Adm HQ (Main)
ADMS Land Forces Sub Commission (MMIA)
SMO 2 RAF Base Area
Malariologist ATC Ciampino Airport
" CRTA
OC 10 Malaria Field Laboratory
25 Field Sanitary Section
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
6652nd Malaria Control Unit

Malariologist UNRRA City
" Public Health Sub-Commission AC.

Col Guerra, Direzione Sanità Militare, Rome.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Copy to : G-1 RAAC.

1. The next meeting of the Malaria Committee will be held on Sunday, August 5th 1945 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

For the SURGEON:

W.DAVIDSON.52
Major RAMC.,
D.A.D.H.

29th July 45
WD/jrb.

Declassified E.O. 12356 Section 3.3/NND No. 785020

MINUTES OF CONFERENCE ON
MALARIA CONTROL IN ROME AREA ALLIED COMMAND

8th July 1945

PRESENT:

Colonel G.T.GARRAWAY	Surgeon, RAAC.
Lt.Col Benjamin L. CAMP	Deputy Surgeon, RAAC.
Capt F. TAYLOR	RE Representative
Lieut C.S. CURTIS	25 Field San Section
Lieut R.D. JOHNSON	33 Malaria Control Unit
Mr Fred W. KNIPE	Allied Commission
Dr Floyd S. MARKHAM	Allied Commission
Sgt F BURGIN	76 Anti Malaria Control Unit
Major W.DAVIDSON	DADH RAAC.

Surgeon — Read the minutes of the previous Meeting. These were agreed.

1. ROCKEFELLER SCHEME

Mr Knipe — Entire area had now been treated with DDT. Mosquito catches varied for a while but are now negligible. Last week there was a catch of 6 in the OSTIA area and 9 in the FIUMICINO area, a total of 15 from 142 fixed Collecting Stations covering an area of some 80 square miles.
It is felt that the troop ban on the LIDO should be retained.

2. REPORTS OF MALARIA CONTROL UNITS

133rd (US) Malaria Control Det

Col Camp — Reported that this unit has now left the area and will be replaced immediately.
During the past month the unit continued to carry out control work in the CECCHIGNOLA and GUIDONIA areas.

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2. REPORTS OF MALARIA CONTROL UNITS

133rd (US) Malaria Control Det

Col Camp — Reported that this unit has now left the area and will be replaced immediately.
During the past month the unit continued to carry out control work in the CECCHIGNOLA and GUIDONIA areas. Larval control is now being carried out satisfactorily by units in the ANZIO area.

1851

33 (Br) Malaria Control Unit

Lieut Johnson — Control is being maintained in the four zones assigned to this unit. In all zones catches are small.

76 Anti Malaria Control Unit (Br)

Sgt Burgin — Catches remain low in the area controlled by this unit. The majority of anopheline catches are A.maculipennis typicus - a non-vector.

Declassified E.O. 12356 Section 3.3/NND No. 785120

3. CONTROL IN ITALIAN ARMY

Col Camp — Read a report from the Italian Depot at CESANO. The Italians are carrying out environmental control in that area and also at BRACCIANO and TREVIGNANO.

4. CIVILIAN CONTROL

There were no representatives of the Civilian Medical Offices present.

Col Camp — Gave the incidence of Malaria among civilians in ROME for June.

Fresh cases 24 (of which 10 were imported)
Relapse cases 157 (of which 132 were imported)

5. OTHER BUSINESS

It was agreed to send written notices of the conference in future.

5. NEXT MEETING

The next meeting will be held on Sunday 5 August 1945 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

W.DAVIDSON,
Major RAMC.,
D.A.D.H.

10 July 45
WD/jrb+

DISTRIBUTION:

Malariologist PBS APO 782 US Army
" ATC Ciampino Airport
" 1 Repl Depot

DDMS UDF Adm HQ (Main)
DDMS 3 District

Malariologist, AFHQ
Malariologist, MTOUSA
Malariologist, AAF/MTO
Malariologist, AAFSC/MTO

Declassified E.O. 12356 Section 3.3/NND No. 785020

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W.DAVIDSON,
Major RAMC.,
D.A.D.H.

10 July 45
WD/jrb+

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" ATC Ciampino Airport
" 1 Repl Depot

DDMS UDF Adm HQ (Main)
DDMS 3 District
ADMS Land Forces S-Comm (MMIA)
SMO 2 RAF Base Area
10 Malaria Field Laboratory
33 Malaria Control Unit
76 Anti Malaria Control Unit
25 Field Sanitary Section
362 Works Sec RE
Col Guerra, Direzione Sanità Militare, Roma.

Malariologist UNRRA City
" Public Health Sub -Comm AC.
Malaria Control Demonstration Unit AC
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ
Malariologist, MTOUSA
Malariologist, AAF/MTO
Malariologist, AAFSC/MTO

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

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Ministero della Guerra
DIREZIONE GENERALE DI SANITA MILITARE

Roma 3800, 5 luglio 945

Alla LAND FORCES SUB COMMISSION AC. (MMIA)
ROMA

Divisione III^ Sez. C.F.
Prot. N° 6/4654/MT Allegati 1
15924

Risposta al foglio
Del Sez. N°

OGGETTO Situazione stocks di mepacrina.-

^^^^^^^^^^^^

Riferimento foglio M/2A/2374 - 12 giugno 1945.-

Si trasmette lo specchio richiesto col foglio in riferimento, riflettente la situazione degli stocks di mepacrina e prodotti equivalenti, esistenti nei Depositi Sanitari Italiani alla data del 25 giugno 1945.-

p. IL MINISTRO
(S. Fadda)

1850
M/2A

Declassified E.O. 12356 Section 3.3/NND No. 785020

CONSISTENZA MEPACRINA E PRODOTTI EQUIVALENTI ESISTENTI NEI DEPOSITI SANITARI ITALIANI ALLA DATA 25 GIUGNO 45.

Palermo	Tav.	3.900.000
Bari	"	3.250.000
Napoli	"	2.465.000
Roma	"	2.270.000
Firenze	"	940.000
Ancona	"	965.000
Bologna	"	100.000
Deposito Avanzato "S"	"	15.000
Deposito Avanzato "T"	"	20.000
TOTALE	Tav.	13.925.000

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From . . Dr of W
To . . M.M.A. for Information.

Ref No 4/1918/1.5.
Date 13 June 45

Anti Malarial Campaign collaboration with
civilian Authorities

In compliance with the request made in
A/m circular letter the following Malaria squads have
been formed

	5	at	CAGLIARI	1	at CRISTANO
	4	at	SASSARI	2	at TEMPIE
	2	at	NUORO	1	at MACOMER
	1	at	IGLESIAS	1	at ABBASANTA.

all those squads after the training course
in the specific ~~have already~~ duties ~~for carrying out~~ of anti malarial work such
as desinfection, and under the supervision of the M.O of
the various garrisons have started drainage and clearing
work of stagnant water, clearing of streams, destruction of
abandonned water recipients, emptying and cleaning
of water places suitable for breeding of larvea.

All those works are carried ~~out~~ with
the collaboration of the civilian authorities with which
contacts have been made and topo-malarial maps
have been compiled so as to employ the squads
to obtain the best results in common work with
the civilians employed in the antimalarial work.

R Mem[illegible]

M/3A/2477 MACCIA RIO

Declassified E.O. 12356 Section 3.3/NND No. 785020

101

MINUTES OF CONFERENCE ON

MALARIA CONTROL IN ROME AREA ALLIED COMMAND

10th June 1945

DISTRIBUTION:

Malariologist, PBS, APO 782 US Army.
" ATC, Ciampino Airport.
" 1 Repl Depot
" 133rd Malaria Control Detachment
DDMS UDF Adm HQ (Main)
DDMS 3 District
ADMS Land Forces Sub Commission (MMIA)
SMO 2 RAF Base Area
10 Malaria Field Laboratory
33 Malaria Control Unit
76 Anti Malaria Control Unit
25 Field Sanitary Section
362 Works Section RE
Capitaine Dutellier, Commandement D'Armes Français de Rome
Col Guerra, Direzione Sanità Militare, Roma.

Malariologist, UNRRA City
" Public Health Sub-Commission AC
Malaria Control Demonstration Unit, AC.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ)
" MTOUSA APO 512 US Army) For
" AAF/MTO) Information
" AAFSC/MTO)

RAAC Distribution

Commending General
Deputy Commander
G-1 (Br)
G-1 (US)

1847

P/A

Declassified E.O. 12356 Section 3.3/NND No. 785020

MINUTES OF CONFERENCE ON

MALARIA CONTROL IN ROME AREA ALLIED COMMAND

10th June 1945

PRESENT:

Colonel T.D. INCH	Surgeon, RAAC.
Lt.Col J.C.MCKILLOP	10 Malaria Field Laboratory
Lt.Col Benjamin L CAMP	Deputy Surgeon RAAC.
Capt Eric W MOOD	133rd Malaria Control Det
Capt F TAYLOR	RE Representative
Capt T.R.N. JONES	G-1 (Br) RAAC.
Lieut C.S. CURTIS	25 Field Sanitary Section
Lieut A. FOX	76 Anti Malaria Control Unit
Lieut R.D. JOHNSON	33 Malaria Control Unit
Mr Fred W. KNIPE	Allied Commission
Mr L.A. RIEHL	Allied Commission
Major W. DAVIDSON	DADH RAAC.

Apologies for absence were received from

Lt.Col W.A. HEGGIE	AC (MMIA).
Capt DUTELLIER	French Army.

Surgeon Read the Minutes of the previous meeting. Suggested dealing with points in these minutes as they arose.

1. MALARIA MAP

It was agreed that no further letterpress need be distributed with the map.

2. ROCKEFELLER SCHEME

Mr Knipe Estimated that spraying would be completely finished within the next week. Adult checks revealed large numbers of mosquitoes in only two buildings, one a new erection and one which had probably been missed by the spraying squads.

1945

Surgeon Enquired if [illegible]

Mr L.A. RIEHL — DADH RAAC.
Major W. DAVIDSON

Apologies for absence were received from

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Capt DUTELLIER French Army.

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Surgeon Enquired if LIDO should still be out of bounds after dusk.

Mr Knipe and Lt.Col Mackillop though that this rule should remain.

Capt Mood Asked for an Area ruling on the hour at which troops should leave the coastal zone.

Capt Jones Knew of no such ruling at present but said an order would be issued on the recommendation of Medical.

3. CONTROL IN ITALIAN ARMY.

DADH Reported that Italians had been offered more DDT for the barracks at FROSINONE.

Lt Johnson DDT has not yet been collected by Italians.

DADH to contact MTIA again.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Lt Fox — Reported that Italian Army was doing excellent work both at CESANO and at BRACCIANO.

4. REPORTS OF MALARIA CONTROL UNITS

133rd Malaria Control Det - Have completed DDT spraying in their control area and for a distance of 2 miles round GUIDONIA. The commitment at TARQUINIA is now finished.

Of 909 larvae inspections 172 were positive.
Of 87 adult checks 24 were positive
1560 galls DDT (5%) were used to spray 10,400 rooms
1365 galls diesel had been used to oil 57,700 square yards of water.
17285 square yards of ditches had been cleaned and 12150 yards maintained.
2050 yards of new ditches had been dug.

33 Malaria Control Unit - Work was concentrated in three areas.

(1) North of ROME to the West of the TIBER.

(2) At CIVITAVECCHIA

(3) At SAN SEVERO

935 galls of Malariol, 448 lbs Paris Green and 400 galls DDT (5%) were used during the month.

Both larval and adult catches had been minimal.

76 Anti Malaria Control Unit - Adult and larval control being carried out between Route 7 and the TIBER to the East of ROME.
80 galls of Malariol, 160 galls of DDT (5%) and 112 lbs Paris Green used during the month.
In certain stations moderate catches of Anophelines have been made but these were all A.maculipennis var typicus.

Declassified E.O. 12356 Section 3.3/NND No. 785020

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(3) At SAN SEVERO

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In certain stations moderate catches of Anophelines have been made but these were all A.maculipennis var typicus.

There was some discussion about the ANZIO NETTUNO region but it was agreed that the numbers of troops involved did not justify large scale larval control measures on the part of the army.

5. NEXT MEETING

It was agreed to hold the next meeting on Sunday 8th July 1945 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

W.DAVIDSON,
Major RAMC.,
D.A.D.H.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

100

Secret

FM [illegible]

TO [illegible]

R 221[illegible]Z

FOR DEA (.) REGIONAL SERVICES OF MULTILATERAL (.)

SAT BY [illegible] CAN NOW BE RELEASED

Precedence DEFERRED

Authenticated Capt.

File

NP 1845

Declassified E.O. 12356 Section 3.3/NND No. 785020

M. M. I. A. LIAISON OFFICE
PENBASE
A. P. O. 782 U. S. ARMY

11 June 1945

Alfed
13/6

SUBJECT: Italian Entomologist

TO : Hq. M. M. I. A.

1. There is an immediate need in the PBS area of an entomologist with a malaria background.

2. One is needed for the Italian Troop malaria control as the entomologists with PBS are being redeployed.

3. Individual does not have to be a doctor.

4. If an entomologist is available, request that he be attached to IV Zone, 212th Division.

FREDERICK R. CLARK
Captain, CAC
L.M.I.A. L.O.

Copy to:

Liaison Section PBS

M/2A/2393

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Mepacrine Etcetera

99.

Land Forces Sub Comm.
A.C. (MMIA)
RGES
E/2A/237.

12 June 45

Ministry of War,
Direzione Generale di Sanita Militare

Please arrange to forward the situation of stocks of mepacrine as at 25th July 1945.

A.W.J. Cooper,
Staff Capt.
for A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RG

1843

Declassified E.O. 12356 Section 3.3/NND No. 785020

Ministero della Guerra
DIREZIONE GENERALE DI SANITA' MILITARE

Roma 5 giugno 1945

LA LAND FORCES SUB
COMMISSION A.C.(MMIA)
R O M A

Divisione 3ª Sez. C.F.
Prot. N. 6/3249/Mt 4034 Allegati 1

Rispettare l'ord.
Div. Sez. N.

OGGETTO: Situazione stocks di mepacrina.-

Riferimento foglio M/2A/1879 del 27/4/945.

Si trasmette lo specchio, richiesto col foglio in riferimento, riflettente la situazione degli stocks di mepacrina e prodotti equivalenti, esistenti nei Depositi Sanitari Italiani alla data 25 maggio 1945.-

p. IL MINISTRO
(F. Mola)

1842

Hand over only 5,000,000, of the 15,000,000. due in if not acquired return Comm. at close of season.

Corp. ① Get another return as at 25/7/45. WAR 5/6.
② Send 1,000,000 to 5 Cd. Ord. Pk. - Padua.

Declassified E.O. 12356 Section 3.3/NND No. 785020

CONSISTENZA MEDIACRINA E PRODOTTI EQUIVALENTI ESISTENTI NEI DEPOSITI SANITARI ITALIANI ALLA DATA 25 MAGGIO 1945.-

^^)(^^

PALERMO	Tav.	No	3611000
BARI	"	"	3683606
NAPOLI	"	"	4349700
ROMA	"	"	2500000
SARDEGNA	"	"	2233000
ANCONA	"	"	997350
FIRENZE	"	"	319519
DEPOSITO "S"	"	"	6130

Totale Tav. No 17700305

1841

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation

98.

From : MOW
To : Director of Virgilio
Mil. Hospital, Rome
and for info to MMIA
Subject : Assignment of mosquito nets.

Ref. : 6/4128/5079
Date : June 6, 1945

Ref. M/2A/2231 dated May 28, 1945.

Confirming what has already been communicated by phone, you will order the issue of 250 field mosquito nets to the 503 Smoke Co. which is under the command of the 227 Div.

Said materials will be drawn from the quantities at your mobilization warehouse.

The drawing of the materials in question will be carried out by the unit concerned.

Please confirm the execution of the above orders,

1870

(Sgd) Mola

Cpl. VDC

P/R

Ref. M/2A/2360

97

MINUTES OF CONFERENCE ON
MALARIA CONTROL IN ROME AREA ALLIED COMMAND

13th May 1945

PRESENT:

Colonel T.D. INCH	Surgeon, RAAC.
Colonello Vicenzo GUERRA	Direzione Sanità Territorio di Roma.
Lt.Col Benjamin L. CAMP	Deputy Surgeon, RAAC.
Lt.Col J.C. MACKILLOP	10 Malaria Field Laboratory
T.Colonello Massa FILIPPO	Direzione Sanità Territorio di Roma.
S/Ldr W.B. PARKER	2 Base Area, RAF.
Capt T.R.N. JONES	G-1 (Br) RAAC.
Capt. Eric W. MOOD	133rd Malaria Control Det
Capt. F. TAYLOR	362 Works Section, RE.
Lieut C.S. CURTIS	25 Field Sanitary Section
Lieut R.D. JOHNSON	33 Malaria Control Unit
Lieut A. FOX	76 Anti Malaria Control Unit
2/Lieut W.F. WALLER	1st Repl Depot
Doctor Floyd S. MARKHAM	Allied Commission
Doctor F.L. SOPER	Malaria Control Demonstration Unit, Allied Commission
Mr Fred W. KNIPE	Allied Commission.
Major W. DAVIDSON	DADH RAAC.

Lt.Col Heggie sent apologies for his absence.

Surgeon Read the Minutes of the previous Meeting.
These were agreed.

1. MALARIA MAP

Surgeon Stated Malaria Map was now ready and was being distributed to all Units in Rome Area Allied Command and to all HQs in ITALY.
Read over the RAAC Order regarding Malaria and asked for comments.

1339

Declassified E.O. 12356 Section 3.3/NND No. 785020

Doctor F.L. SOPER	Malaria Control Demonstration Unit, Allied Commission
Mr Fred W. KNIPE	Allied Commission.
Major W. DAVIDSON	DADH RAMC.

Lt.Col Heggie sent apologies for his absence.

Surgeon Read the Minutes of the previous Meeting.
These were agreed.

1. MALARIA MAP

Surgeon Stated Malaria Map was now ready and was being distributed to all Units in Rome Area Allied Command and to all HQs in ITALY.
Read over the RAMC Order regarding Malaria and asked for comments. 1398

Lt.Col Mackillop Thought the City of Rome should be defined so that there would be no doubt in the mind of OsC Units whether nets were to be used or not.

Surgeon Said there were administrative difficulties in the way of making such a definition.
It was agreed to leave the order in its present form.
It was also agreed that nets need not be used in the Fifth Army Rest Camp.

2. ROCKEFELLER SCHEME

Mr Knipe Work in the towns of LIDO, FIUMICINO and FREGENE was now finished. Good progress was being made in the MACCARESE.

(1)

M/2A/2116.

WAH 15/5. Looking ZZ

file

Declassified E.O. 12356 Section 3.3/NND No. 785020

Surgeon — AFHQ want to put 1000 men in LIDO DI ROM. Was this advisable?

Both Mr Knipe and Lt.Col Mackillop thought it would be inadvisable to site troops in LIDO at present.

3. CONTROL IN IT.LIAN ARMY.

Col Guerra — Stated that 12 (Br) Malaria Control Unit had sprayed the wrong barracks at FROSINONE with DDT.

It was agreed to provide more DDT and the OsC 133rd (US) and 33 (Br) M.C.Us will ensure that spraying is effectively carried out in the correct barracks.

Col Guerra — Satisfied with the work being carried out at CESANO.

Lt Fox — Stated he had visited CESANO and the work there appeared well organised.

Lt.Col Mackillop — Did not think DDT was required at CESANO.

5. PROGRESS OF MCUs

133rd Malaria Control Det

Continuing work at (a) CECCHIGNOLA
(b) North of CIVITAVECCHIA
(c) GUIDONIA

135 men were being employed and this was considered sufficient.

33 Malaria Control Unit

Carrying on larviciding to the North West of ROME and spraying with DDT the barracks occupied by the School of Artillery at CIVITAVECCHIA.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Maokillop

5. PROGRESS OF MCUs

133rd Malaria Control Det

Continuing work at (a) CECCHIGNOLA
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135 men were being employed and this was considered sufficient.

33 Malaria Control Unit

Carrying on larviciding to the North West of ROME and spraying with DDT the barracks occupied by the School of Artillery at CIVITAVECCHIA.

76 Anti Malaria Control Unit

Carrying out larval control with 3 squads and adult killing (DDT Spraying and Flysol spraying) with a fourth squad.

6. CIVILIAN CONTROL

Owing to the absence of Prof Missaroli it was not possible to obtain detailed information.

OsC MCUs reported having seen evidence of civilian control in the environs of ROME.

7. OTHER BUSINESS

Lt Waller Reported that there had been labour difficulties at the Replacement Depot due to the removal of a Coy of Italians. Civilians have been employed and it is hoped that work will go forward smoothly.

Declassified E.O. 12356 Section 3.3/NND No. 785020

8. NEXT MEETING

It was agreed to hold the next meeting on Sunday June 10th 1945 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

W.DAVIDSON,
Major RAMC.,
D.A.D.H.

DISTRIBUTION:

Malariologist, PBS, APO 782 US Army.
" ATC, Ciampino Airport
" 1st Repl Depot
" 133rd Malaria Control Detachment
DDMS UDF Adm HQ (Main)
DDMS 3 District
ADMS Land Forces Sub Commission (MMIA)
SMO 2 RAF Base Area
10 Malaria Field Laboratory
33 Malaria Control Unit
76 Anti Malaria Control Unit
362 Works Section RE
Capitaine Dutellier, Commandement D'Armes Français de Rome
Col Guerra, Direzione Sanità Militare, Roma.

Malariologist, UNRRA City
" Public Health Sub Commission, AC.
Malaria Control Demonstration Unit, AC.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Declassified E.O. 12356 Section 3.3/NND No. 785020

" MTO, Ciampino Airport
" 1st Repl Depot
" 133rd Malaria Control Detachment
DDMS UDF Adm HQ (Main)
DDMS 3 District
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" Public Health Sub Commission, AC.
Malaria Control Demonstration Unit, AC.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

1838

Malariologist, AFHQ)
" MTOUSA APO 512 US Army) For
" AAF/MTO) Information
" AAFSC/MTO)

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

Copy of phone message.

96

From:- 337 of W.
To:- Virgilio Hospital Rome
for information to:-
Rome Med. Directorate

Ref:- 6/412A/4868
Date:- 29th May 45.

Please issue to Frosinone Training Centre the following material for anti malaria campaign:-

30 Face nets anti mosquito
30 Gloves
20 Mosquito Nets.

The a/a material will be handed over immediately to the unit concerned O

(Sgt) MOLA.

G.F.

- 2 -

From:- 337 of W.
To:- 337 337 CA

Ref:- 6/412A/4905.
Date:- 29th May 45.

The above is forwarded for information.

(Sgt) 837 MOLA.

G.F. M/2A/2275 AA

Declassified E.O. 12356 Section 3.3/NND No. 785020

0 094

Translation.

From. M of W
to. MMIB.

Ref no 4/1775/115
Date 29 May 45.

Telegramme for your information.

we confirm the need of 1900 metres of anti mosquito wire gauze as requested with letter 281/1.5 dated 9th of March 45 to be distributed as follows SUBANDA div units 800 — AOSTA div units 700 other non Divisional units 400 0 will inform you of shortly requiring portation and of Location of same.

R Mansfield

BARONE

P/A 1836

M/2A/2274

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Bush Nets.

Land Forces Sub Comm.
A.C. (MMIA)
/GGG
11/20/234
28 May 45

Ministry of War,
Direzione Generale di Sanita Militare

Please authorise the release of 250 bush nets from your depot at Villa Ponnaca to 503 (Italian) Smoke Coy.

The nets will be collected by this unit on the 29th May.

Lieut-Col.
A.D.M.S.
/GGG Land Forces Sub Comm. AC. (MMIA)

Copy to: Rome Area Allied Command
(for Labour Branch - British)

1835

92.

Translation.

From. M of W
To. MMIO for Info

Ref no 6/3745/MT
Date 21 May 42.

Mepacrine for Gr and bn.

This Ministry has been informed by allied sources that the following bns.

501 - 510 - 504 - 525. Gr and bns and the 550 Gr and Ry Dependent from the addresses have not received the normal mepacrine issue

The matter is inexplicable, seeing that strict instructions were issued in respect of the Anti. Malaria campaign

We therefore beg the Commando to which this letter is addressed to arrange for immediate supply of mepacrine and to inform us. if the A/A units have as instructed, made request for mepacrine from the military hospitals of the area, and if said hosp. which were well supplied, have in due course met the request

should the deficiency be the fault of the unit we furthermore beg you to ask the M Os to send

Declassified E.O. 12356 Section 3.3/NND No. 785020

We therefore beg the Commands to which this letter is addressed to arrange for immediate supply of mepacrine and to inform us. if the Hon units have as instructed, made request for mepacrine from the military hospitals of the area, and if said hosp. which were well supplied, have in fact met the request

should the deficiency be the fault of the unit we furthermore beg you to ask the M Os to send information as regards the matter.

We take the opportunity to request and the Medical directorate to carry out supervision in this respect.

1834

M/2H/2007 Wks 24/5 Feb

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From ;M. of W.
To ;MMIA for information.
Subject ; Malaria.-Reinforcement camp Frosinone.

Ref. 4/1614/I.S. 16/5/45.

Herewith for information copies of letters No's.-
- M/2A/2040 dated 10/5/45, from the MMIA.
- MFL/CORR/45/2. dated 7/5/45. From the Director of the Field Malarial Laboratory.
- (No number) dated 5/5/45. From Capt., W.S. Baxter, and Capt., Roden A.C. both of RAMC., together with the results of the emoscopic tests.

Please make the neccessary arrangements so that the Directors of the medical services of the unit concerned take the neccessary action for the complete treatment of the patient in question.

Kindly acknowledge receipt.

1833

GD.

(Calderola)

M/2A/2171

brass. 21/5 file

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

Please see letter No M/2A/2440 dated 10/5/45. Subject Frosinone Reinforcement Camp - Malaria.

-£-

Ref;306381
12/5/45.

From; SMRE.
To ; Gen., Medical Directorate.

The above is forwarded for information.

1832

-(Piazza)

(Fabre)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From; Capt., Baxter R( )C &Capt Roden RAMC.
To; 10th Field Laboritary (Malaria) 5/5/45.
Subject; Bacterial Index- Italian troops Boscofaito (Frosinone)

Ref.Italy's Map 1:100,000 sheet 159.The camp is located at 424.335
Recruits have been examined on 27 & 28 April ~~XXX~~ 1945 at the Italian reinforcement depot Boscofiato (Frosinone).

Results were as under.-

Place of origin.	No of recruits examined.	Malaria pat- ient 1944-45	Mariel Pat- ient prior 1944	Patient not prev- infected.
Sardinia	432	179	139	114
Sicely	107	20	24	63
Calabria				
Puglia				
Remainder of Italy	30	8	4	18

Cases with Bacteria			Cases with Gametocytes.		
B.T.	M.T.	%	P.T.	M.T.	%
28	1	6,7	7	1	1,8
6	=	5,6	2	=	1,9
=	=	=	=	=	=

A nominal rold of positive cases has been forwarded to the Italian M.O. through the Director of Medical services MMIA.

Fabre. (Capt., Baxter RAMC.)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From; No 10 Field Labor( )ary(Malattia) ( )ef.MFL/CORR/45/2.
To; Director of Medical Service RAAC. 7/5/45.
Subject; Infection carriers. Italian troops.

Att., herewith for your information a report from Capt WS. Baxter and Capt AT. RODEN both of RAMC, of this laboritary.

1) This report shows the percetage of Bacterial case found among 569 Italian recruits of reinforcement depot,Boscofiato.

2) The following table is a summary of the results shown in above name ed reports as well as two other reports sent previously, and made out for the period 5th and 28th April 1945.

Report	No., of persons examined.	Positive result	B.T.	M.T.	Qu.	P.R. Bact.%	G.R.% Gametocytes
MFL/SVY/701 14/4/45.	60	2	2	=	=	3,3	3,3
MFL/SVY/601 23/4/45.	278	3	3	=	=	1,1	=
MFL/SVY/601 5/5/45.	569	35	34	1	=	6,2	1,8
Totals	907	40	39	1	=	4,4	1,3

Generally those who carry Bacteria, are natives from Sardinia, Sicely,Calabria, and Puglia.Among the Sarinians,a percetage of 51,7 of the individuals examined with a regional percetage of 6,4, has been ontained. The total percetage for all regions is 4,4 and the Gametocytes percetage is 1,3.

We attach little importance to the percentage of XXXXXXX spleen, truobles, of which there is a latent infection among the adult population. A strong proportion of the Italian military have swollen spleens, even although they are not active carriers of Bacteria.

The names of the military who are active carriers of Bacteria, have been forwarded to the director of Medical services of the MMIA.

GD.

(Col.,Mackillop)RAMC.

1839

Declassified E.O. 12356 Section 3.3/NND No. 785020

90.

SUBJECT : Repatriation of Italian Naval Personnel.

Land Forces Sub Comm
AC (CMTA)
AFO
12/25/2103
14 May 45

TO : Ministry of War
Repatriation Branch, Italy.

A complaint that repatriation has not been issued to the Italian units shown below has been received from the Allied Commander by whom these units are employed.

As proper instructions have already been issued by you, it is inconceivable that the Italian Territorial Commands of Bari and Naples and the C.I.C. Cetraro Military Hospital, be instructed to take the necessary action to ensure delivery of repatriation on the approved scale.

(GN Cd. Bn.	BARLETTA and BISCEGLIE
GN. Cd. Bn.	SALERNO
510 Cd. Pn.	ERCOLANO, PORTICI, TORRE DEL GRECO, RESINA
520 Cd. Coy.	SORRENTO, CASTELLAMMARE, MASSA, PIANO, CASTELLAMMARE,
(525 Cd. Bn.	CETRARO and S.EUFEMIA LAMEZIA.

Copy to: 2683 AFHQ (ref your 16293 of 11 May 45)
MMLO to NAPLES
MMLO to 5th Army.

Lieut-Cols
A.G.(M.S.)
for Deputy Chief of Staff (CMTA).
Land Forces Sub Comm

1329

File

Declassified E.O. 12356 Section 3.3/NND No. 785020

SUBJECT : Margarine - Italian Guard Battalions.

Land Forces Sub Commission A.C.
(L.M.L.A.)
ROME
M/24/2096
14 May 45

TO : Surgeon DMS, A.F.H.Q.

Reference your M6234 of 11 May 45 with attached copy of 5G Area letter M/174/3901.

1. The distribution of medical supplies (including margarine in areas in rear of army boundaries) is made entirely through Italian medical channels. Proper instructions have been issued by Ministry of War to all Italian Territorial Commands and republished to units. Adequate supplies are available.

2. The medical officer (or in his absence, the administration officer) of these units should submit their requirements for one month to the Medical Director of the Italian Territorial Command of Naples or Bari. (For troops in Calabria the indent is passed to O.C. Italian Military Hospital, Catanzaro). After approval, supplies are issued from the Italian Medical Depot Stores at Naples, Bari and Catanzaro.

3. It is not possible for this office to handle the detailed issue down to units. The Ministry of War have, however, been informed, and a copy of this letter is attached for information.

Lt Col.
Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMLA)

File 1828

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Mepacrine
Authorization of
Special Issues.

Ref:- M.6254.

To:- Assistant Director of Medical Services,
Land Forces Sub-Commission,
Allied Commission (M.M.I.A.),
Rome.

Reference the attached memorandum M/17H/3904 dated 7 May 45.

Will you please confirm that you will arrange issue of mepacrine to these Italian units.

A.E. Paxton, Lieut-Colonel, A.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

11 May 45.
AEP/PP.

Copy to:- Deputy Director of Medical Services,
3 District, C.M.F.

(Reference your memorandum 410.M.
dated 10 May 45.)

M/A/2087

1827

COPY

SUBJECT:- Mepacrine - Issues to Italian Units.

D.D.M.S.,
3 District.

M/17H/3904.

1. O.C. H.Q. Train Guard Control states as follows:-

"The following Italian units who are under operational command of this unit consist largely of Sardinian personnel, a large number of whom are subject to malaria. These units are responsible for guarding military freight trains and marshalling yards, between and at the places stated.

O.C., 510 Bn. reports that 600 men of his Bn. are malarial subjects, and that an average of 75 - 90 men are sick daily. The strength of these units is just sufficient to enable them to carry out their commitments. To enable these men to carry on during the malaria season and thereby ensure that all military freight trains are guarded, may DDMS 3 District, be requested to authorise issue of Mepacrine to the units working in the areas stated."

2. The strengths and locations of these units are as follows:-

Unit.	Location.	Strength.	Ration Supply Depot.
2 Coy, 501 It Gd Bn. ✓	SALERNO	162	Magazzino Viveri di Salerno
2 Coy, 504 It Gd Bn. ✓	SALERNO	181	" " " "
1 Coy, 501 It Gd Bn. ✓	BENEVENTO	121	Magazzino della Sussistenza Caserta.
510 It Gd Bn. ✓	BARI	375	Magazz. Viveri It, Bari.
	FOGGIA	159	" " " Foggia.
	TARANTO	176	" " " Taranto.
	BRINDISI	130	" " " Brindisi.
550 It Gd Coy.	REGGIO	28	" " Presidiario 10.
	CATANZARO MARINA	23	" "

Declassified E.O. 12356 Section 3.3/NND No. 785020

2. The strengths and locations of these units are as follows:-

Unit.	Location.	Strength.	Ration Supply Depot.
2 Coy, 501 It Gd Bn. ✓	SALERNO	162	Magazzino Viveri di Salerno
2 Coy, 504 It Gd Bn. ✓	SALERNO	181	" " " "
1 Coy, 501 It Gd Bn. ✓	BENEVENTO	121	Magazzino della Sussistenza Caserta.
510 It Gd Bn. ✓	BARI	375	Magazz. Viveri It, Bari.
	FOGGIA	159	" " " Foggia.
	TARANTO	176	" " " Taranto.
	BRINDISI	130	" " " Brindisi.
550 It Gd Coy.	REGGIO	28	" " Presidiario 10.
	CATANZARO MARINA	23	" " CATANZARO
	S. EUFEMIA LAMEZIA	13	" " CATANZARO
	PAOLO	13	" " COSENZA
	COSENZA	21	" " COSENZA
	CROTONE	15	" " CATANZARO

3. May authority please be given for the issue of Mepacrine to these units.

1826

(Sgd) ??? for Colonel,
A.D.M.S., 56 Area.

JWM
7 May 45.

Copy to:- O.C., H.Q., Train Guard Control (Ref your letters R/4/298 dated 18 Apr.45 and R/4/333 dated 30 Apr.45)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

88

Translation.

From :- Med. Direct., Florence Territorial Kg. Ref.- 1233/I.P.

To :- Addressees omitted. Date.- 27.4 Apl 45.

Subject :- Anti malaria campaign in collabration with the Civilian Medical Authorities.

Herewith, for information and ruling, circular AE 4/1161/15 dated 7/4/45, dealing with the subject as above and issued by the Med. Gen. Directorate, M of W.

Where necessary, Corps and Units' MOs will make arrangements to contact the local MOs and organize, together, the anti-malaria campaign.

As a rule it is pointed out that, in Tuscany, the strip of land on the Tyrrhenian Sea between CECINA River (North) and CHIARONE River (South), included in the territory of Leghorn and Grosseto Provinces and at least 20 kms inland (with the exception of mountainous areas), is to be considered as a malaria zone.

The strip of land on the Tyrrhenian Sea between VIAREGGIO and the mouth of the CECINA is infested with malaria ~~since~~ since weeks, but for a long period, no malaria case occured. Owing to the existance of such cases and the possibility of the reappearance of malaria, we recommend that the maximum care should be taken in this Zone and that this Directorate be informed in the event of primitive malaria being suspected.

The areas most discriminated are the following:-

a) In PIOMBINO Zone :- the localities POGGIO all'AGNOCCO and all the adjacent localities up to the sea, lying BARATTI Port, south-west of Rome-Pisa railway.

b) FOLLONICA DA TORRE MOZZA Zone at the North and CASTIGLION DELLA PESCHIA at the south.

WAM 11/5 Tele

M/2A/2062.

P.T.O.

Declassified E.O. 12356 Section 3.3/NND No. 785020

c/ The plain area around GROSSETO, south-south-west of the BRUNA River course, down to the lower course of the OMBRONE river, included in the depression between MONTEPESCALI and GIUNCARICO-CAVORRANO hills, between the course of the FOSSA Torrent down to the drops of ROCCASTRADA.

d/ ORBETELLO zone, between the lower course of the OMBRONE to the north and the course of the CHIARONE to the south, with special attention to be given to ALBEGNA, BURANO lake and DOGANA zones.

e/ ELBA Island :- PORTOLONGONE area.

No malaria zones have been declared by MOs concerned, in the MARCHE region.

All prophilatic measures taken will be reported to this Directorate.

Please acknowledge

(Sgd) F. GRIFI.

— 2 —

From :- Br of N.
To :- 13 Fd Pk for information.

Ref :- 4/1508/P.S.
Date :- 5th May 45.

The above is forwarded for your information further to our letter No 4/1472/15. dated 3rd inst.

(Sgd) CALOGERO LO.

Lt. FABRO.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Traduzione

Da: Ancona Mil. Hospital

A: MMW

Rif.: 232/F

Data: 24 April 45

Subject. Supply of mepacrine or substitute to the 8th Army

Ref tel. 6/309 IX/M.T dated 26/4/45, we specify that this Mil Hospital has issued to the 8th Army food Dept the following substitutes, ~~in stock~~ quantities shown alongside.

Mepacrine	1.265.000
Atebrin	485.000
Malchina	244.000
Total	1.994.000.

The abm quantities have been drawn for the 8th Army H.Q, with 2 different withdrawals on the 5th and 6th April 1945, as shown by regular receipts signed by the man in charge of the withdrawal.

Signed: RAFFAELLO CIODARO

Trasm.

To MMIA For information.

W.O.H. 11/5

~~Dept C. Info~~

File

Doc!
??

M/Gen/2053

M/Gen/1824

Declassified E.O. 12356 Section 3.3/NND No. 785020

2204

986

Subject: Malaria - Prophylaxis Reinforcement Camp

Land Forces Sub Comm.
A.C. (MMIA)
MMIA
M/2A/2040

10 May 45

Ministry of War,
Direzione Generale di Sanita Militare

Herewith copy of report received from C.O. 10 (Br) Malaria Field Laboratory.

The names of the 35 troops with positive blood slides are enclosed for your information and action as necessary.

W. C. Heggie
Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RSG

Copy to: ADMS B.A.A.C.
OC 10 Malaria Fd Lab. - your MMI/CORR/45/2 of 7 May 45 refers.

1823

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject:- Parasit Re. ryoir - Italian Troops. Ref. MFL/COMR/45/2
Date. 7 May '45.

To:- Surgeon. A.D.M.S., R.A.A.C.

From:- O.C., 10 Malaria Field Laboratory.

1. The attached report by Capt. W.S.BAXTER, R.A.M.C., and Capt. A.T.ROBEN, R.A.M.C., of this unit giving the Parasite Rate among 369 Italian recruits at the Reinforcement Depot at BOSCO FIATO is forwarded for information.

2. The following table embodies this and two reports previously submitted, carried out between Apr. 5th and 28th '45.

3. Report Ref.	No.examined.	Positive	B.T.	M.T.	Qu.	P.R. %	G.R. %
MFL/SVI/601 d.d. 14 Apr.'45	60	2	2	-	-	3.3	3.3
MFL/SVI/601 d.d. 23 Apr.'45	278	3	3	-	-	1.1	-
MFL/SVI/601 d.d. 5 May '45	369	35	34	1	-	6.2	1.8
Total	907	40	32	1	-	4.4	1.3

4. The great majority of Parasite carriers are natives of Sardinia, Sicily, Calabria and Puglia. Sardinians comprised 31.7% of the men examined and gives a regional Parasite Rate of 6.4%. The total rate for all regions is 4.4%, and the Gametocyte Rate 1.3%.

5. Little importance is attached to spleen rates, as an indication of reservoir of infection in the adult population. A high proportion of Italian troops have enlarged spleens though few are active parasite carriers.

6. The names of men found to be parasite carriers have been submitted to A.D.M.S., Land Forces Sub-Commission, A.C. (M.M.I.A.)

copies to/ D.M.S., A.F.H.Q.
D.D.M.S., 3 Dist.
A.D.M.S., Land Forces Sub- Commission, AC(MMIA)
O.C., 10 MAL.Fd.Lab.
O.C., 5 Mal.Fd.Lab.
War Diary.

(J.C.MACKILLOP) Lt.Col.R.A.M.C.,
O.C., No.10 Malaria Field Laboratory, CMF.

M 2A 2027.

1822

Subject:- Parasite Index, Italian Troops at BOSCE FIATO near FROSINONE.

To:- O.C., 10 Malaria Field Laboratory.

REF MFL/SUY/601.

From:- Capt W.S. Baxter, R.A.M.C. and Capt. A.T. Rodon, R.A.M.C.

Map Reference:- Italy, 1:100,000. Sheet 159. Camp at 424.335.

Recruits were examined on 27th and 28th April, 1945 at the Italian Reinforcement Depot at BOSCE FIATO, near FROSINONE.
Results were as follows:-

Place of Origin	Number of recruits examined	History: Malaria in 1944-1945	History: Malaria previous to 1944	History: Never had malaria	Number with parasites B.T.	Number with parasites M.T.	%	Number with gametocytes B.T.	Number with gametocytes M.T.	%
Sardinia	432	179	139	114	28	1	6.7	7	1	1.8
Sicily Calabria & Puglia	107	20	24	63	6	-	5.6	2	-	1.9
Remainder of Italy	30	8	4	18	-	-	-	-	-	-

The names of the positive cases have been notified to the Italian Medical Officer through A.D.M.S., H.M.I.A.

W.S. Baxter

5 May 45.

(W.S. BAXTER) Capt. R.A.M.C.

Declassified E.O. 12356 Section 3.3/NND No. 785020

The names of the positive cases have been notified to the Italian Medical Officer through A.D.M.S., H.Q.I.L.

W.S. Baxter

3 May 45. (W.S. BAXTER) Capt. R.A.M.C.

1821

Declassified E.O. 12356 Section 3.3/NND No. 785020

2206

Declassified E.O. 12356 Section 3.3/NND No. 785020

ARMY FORM C2136 (Small)

MESSAGE FORM

Register No. 45

Call	Srl. No.	By	Transmission Instructions

ABOVE THIS LINE FOR SIGNALS USE ONLY

Office Date Stamp

FROM (A) Originator: MMIALO Base 8 Army. Date - Time of Origin: 05 1740 B

For Action

MMIA ROME

TO (V) For Information (INFO)

M/2A/2033

Message Instructions — GR —

Originator's No. ops 102/3 Restricted ⊙ ref your M/2A/1933 dated 18th

1 May ⊙ 400 flt guns released 4 ORB yesterday as first consignment

W 9/5 7th

THE MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS EXCEPT WIRELESS

Signed: Bgl Lawson Base Maj

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

Signed:

ORIGINATOR'S INSTRUCTIONS DEGREE OF PRIORITY

EZS

Time	Station	Op.
THI or TOR		
Time cleared		

DUPLICATE CHOP

Declassified E.O. 12356 Section 3.3/NND No. 785020

0463

Subject: Anti-Malaria Campaign

Land Forces Sub Comm.
A.C. (MMA)
RGH
11/24/2010
7 Rev 45

To: HQ MTO. ETO.
British Centre 802 Lt. Aft Depot Orvieto
" 803 " " " Serinimma
" 804 " " " Transi

2 copies of AFHQ pamphlet "Anti-Malaria Campaign" are forwarded for information.

A.L.G. Heggie
Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC (MMA)

/JMG

Copy to: Ministry of War
Direzione Generale di Sanita Militare - (6)

1819

2205

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Anti-Malarial Campaign - 1945. Ref:- M.6148.

To:- Deputy Directors of Medical Services,
Rear H.Q., Eighth Army, C.M.F.

1 District, C.M.F.

2 District, C.M.F.

3 District, C.M.F.

Land Forces Greece, C.M.F.

Assistant Directors of Medical Services,
Rear H.Q., Fifth Army, C.M.F.

Headquarters, British Troops North Africa, C.M.F.

Land Forces Adriatic, C.M.F.

Land Forces Sub-Commission, A.C. (ISTIA) C.M.F.

Herewith .12.. copies of the pamphlet "Anti-Malarial Campaign - Central Mediterranean Forces - 1945 Edition", for distribution to all R.A.M.C. officers under your administration.

A.E. Paxton, Lieut-Colonel, A.D.H.,
for Major-General,
Surgeon, D.M.S. A.F.H.Q.

4 May 45.
EJ/FP.

Copy to:- Deputy Director of Medical Services,
15 Army Group (BS), C.M.F. (20)

Major Rogers, OBE.,
c/o H.Q., S.O.M., C.M.F. (6)

Commandant,
School of Hygiene, C.M.T.C.,
C.M.F. (24)

1809 12 Pacs

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From:- M of N.
To:- M of Interior (Gen. Direct. of Public Health.)
for information to:-
MMIB.

Ref:- 4/1432/15.
Date:- 3rd May 45.

Subject:- Anti Malaria Campaign.

Ref. 20183.4.HG-1141 dated 23/3/45.
Herewith attached, copy of Letters 916/15 dated 25/4/45,
from Med. Directorate of Naples Territorial Sub; 453/15. dated 26/4/45
from Med. Directorate of Palermo Territorial Sub.

(sgd) [illegible] DORO LO.

C. FIORE.

M/2A/2004

WAM. 7/5 file.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From:- Med. Direct. Palermo Territorial Hdq.
To:- Public Health Regional Direct. Palermo.
for information to:-
M of L.

Ref:- 453/I.S.
Date:- 26th April 45.

Subject:- Anti Malaria campaign in collaboration with the Military Authorities.

Ref. letter 4/1161/I.S. dated 7th inst.

It is pointed out that this office, in accordance with the procedure carried out in the past years (even prior to the receipt of the ministerial instructions contained in circular 4/1161/I.S. (dealing with the same subject) dated 7th inst.) ordered, in letter 233/I.S. dated 27/2/45 of which copy is attached, that the Divisional Senior M.O.s and Medical Directors, whose duties are anti malaria campaign, should contact Provincial Doctors with a view to setting up a working programme for areas in which troops are located.

In accordance with instructions issued by Palermo Territorial Hdq and by this office, 12 squads of military for the anti-malaria campaign as well as two squads kept in reserve, have been formed, trained and have been employed since the begining of the present month.

Of this the squads employed, 5 squads belong to the "Bosta" Div. and operate in the West of Licata in malaria zones where troops are located, while the other 5 squads belong to the "Sabanda" Div. and operate in the East of Licata. The two reserve squads have been formed at a unit 1807 under command of this the "Bosta" Div. Hdq and probably one of them will be employed at Trapani Zone while the other squad will be employed at Agrigento area.

P.T.O.

Declassified E.O. 12356 Section 3.3/NND No. 785020

To be more precise, the squads belonging to units of the "Hosth" Div. operate as under: -

1 Squad has been formed by the 6th I.S. Regt. and operates in Boccadifalco area, Palermo and operates in the vicinity of the Airport and in Mandragis area. Locations :- at various Detachments of the 5th I.S. Regt.

1 Squad has been formed by the 28th Genio Bn. and operates in Mondello (Palermo). Located at a Detachment of the II I.S. Regt.

1 Squad has been formed by the 139th I.S. Regt. and operates in the Territory of Lercara (Palermo) at an Ammo. Depot. Located at a Detachment of the 5th I.S. Regt.

1 Squad has been formed by the 189th I.S. Regt. and operates in the Territory of Corda at a Gun Powder Factory. Located at a Detachment of the 5th I.S. Regt.

1 Squad has been formed by the 22nd Art. Regt and operates at Castevetrano (Trapani). Located at a Det. of the same Regt.

The squads belonging to units of the "Sabauda" Div. operate as under :-

1 Squad has been formed by the 46th I.S. Regt and operates in the Territory of ~~the~~ comune Mili Marina (Messina). Located at the Det. of the same Regt.

1 Squad has been formed by the 45th I.S. Regt and operates in the Territory of Raggi (Messina). Located at the Det. of the same Regt.

1 Squad has been formed by the 45th I.S. Regt and operates in the Territory of Lentini comune (Siracusa). Located at the Det. of the same Regt.

1 Squad has been formed by the 145th I.S. Regt. and operates at Avola Zone (Siracusa) Located at the Det of the same Regt.

1 Squad has been formed by the 16th Art. Regt and operates at Salniella area (Enna). Located at the Det. of the same Regt.

1 Squad has been formed by the 16th Art. Regt and operates at Piano del Lago and River (Caltanisetta) Zones. Located at the Det. of the same Regt.

Contd/Sheet 2

Declassified E.O. 12356 Section 3.3/NND No. 785020

1 Squad has been formed by the 130th Comb Bn and operates in the Lago Pergusa Zone (Enna). Located at the Det. of the same Bn.

In accordance with instructions issued by the M of N. the afs Squads operate within a radius of 3 Km. around units accommodation.

On the return of the Regional Director, a visit will be paid to him by one of our dependant Hygiene Officer so that under his guidance and advise, as well as ~~of the~~ agreement with the malaria specialists of the Regional Directorate and those of the coop., more precise understanding can be made on the employment of the military squads in question, and thus, independantly from what has been, or what will be, agreed upon by the Div. Comds M Os and Directors of the Med. Servic with the Provincial Doctors concerned.

A copy of letter 4632 ~~of the~~ dated 23rd inst from the Regional Direct of Public Health is attached herewith for the M of N and Palermo Territorial Mil.

(Sgd) G. BARONE.

G. F.
28.

1806

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From:- Regional Public Health Direct. Sicily. Ref:- 4632
To:- The Provincial Doctors of the Island. Date:- 23rd April 45.

Subject:- Anti Malaria campaign in collaboration with the Military Authorities

The Mil. Med. General Director issued instructions in circular N° 4/1161/1.S. dated 7th inst, to various Territorial Mil. Zones so that, during the present year and in agreement with the civilian local Med. Authorities concerned, squads of military personnel, trained in advance for the purpose, be employed in anti malaria campaign in sectors determined in agreement with the civil medical organisation.

In giving you that information, I beg you to contact urgently the local military authorities (if it has not been done) in order that, together, agreements may be made as to in which ~~most~~ malaria area of the Province, the military squads specialised should operate, and what would be the numerical strength. It is mentioned that, in agreements to be made, the Provincial Doctor should always be put in a position to have full control over military personnel so far as his technical duties are concerned are to represent the Ministry of Interior.

Please acknowledge receipt. A/ reply on detailed the agreements made, ~~in detail~~ is awaited.

(Sgd) SAVOIA.

1805

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From:- Naples Territorial Hdq, Med. Dirct. Ref:- 916/1.S.
To:- M of W. Date:- 25th April 45.

Subject:- Anti Malaria campaign in collaboration with the Civil Med. Authorities.

Ref. Letter 4/1161/1.S. dated 7th inst.

Troops located in malaria zones or ~~zones~~ suspected of being malarious ~~zones~~ included in the territory under the jurisdiction of this Hdq, ~~are~~ controlled ~~entirely~~ by ~~this~~ the following large units:-

212 Italian Hdq, 227 and 205 Div.

It will be on duty to follow closely the carrying out of the anti malaria campaign during the present year, especially ~~in~~ regard to hygiene operations and ~~to~~ shall report to you accordingly.

(Sgd) G. FERRI.

G.F.
ad

1804

Subject: Anti-Malarial Measures - Frosinone

Land Forces Sub Comm.
AC. (MMIA)
ROME
M/2A/1976
5 May 45

A.D.M.S.
Rome Area Allied Command

1. ADMS MMIA visited the Italian Reinforcement Camp, Frosinone on 3 May 45 to enquire into the circumstances regarding the spraying of this site with DDT by 12 M.C.U.

It appears that due to a misunderstanding 12 M.C.U. sprayed an Italian barracks in the town of Frosinone and not the Reinforcement Camp which is located 3 miles south of the town at Bosco Fiati map ref. G 43.3. Sheet 17 1: 200,000

2. In view of the fact that this location has been reported by 10 Malaria Field Laboratory as highly malarious and it has not been possible to issue mosquito nets to this category (III-IV) of Italian troops it is requested that arrangements be made (supplies permitting) to DDT this camp site as originally planned.

W.C.H.

Lieut-Col.
A.D.M.S. 1803

Declassified E.O. 12356 Section 3.3/NND No. 785020

It appears that due to a misunderstanding 12 M.C.U. sprayed an Italian barracks in the town of Frosinone and not the Reinforcement Camp which is located 3 miles south of the town at Bosco Piati map ref. G 43.34 Sheet 17 1: 200,000

2. In view of the fact that this location has been reported by 10 Malaria Field Laboratory as highly malarious and it has not been possible to issue mosquito nets to this category (ITL-ITI) of Italian troops it is requested that arrangements be made (supplies permitting) to DDT this camp site as originally planned.

M.C.H.

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

1803

/RBG

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Anti-Malarial Measures - Frosinone

Land Forces Sub Comm.
A.C. (MMIA)
ROMAN
M/2M/1976

May 45

A.D.M.S.
Rome Area Allied Command.

1. ADMS MMIA visited the Frosinone Italian Reinforcement Camp on 3rd May 45 to enquire into the circumstances regarding the spraying of this site with DDT by 12 M.C.U. It appears that 12 M.C.U. sprayed the Italian barracks and surrounding buildings in Frosinone town and not the Reinforcement Camp at Bosco Fiati which is situated some 3 miles south of Frosinone at map ref. G 43.3. Sheet 17 1: 200,000.

2. 12 M.C.U. arrived at Frosinone on 21st or 22nd April, commencing work on the 23rd. On the 25th the Italian medical officer from Frosinone Reinforcement Camp contacted 12 M.C.U. and informed them that they were spraying the wrong barracks. Apparently no notice was taken of this statement and the spraying of these (the wrong) barracks was completed on 1st May 45. As the representative of 12 M.C.U. was apparently determined to carry on in the present site, the Italian officer offered to assist with his men, but this was refused.

3. O.C. 12 M.C.U. phoned MMIA on 22nd or 23rd April and reported that there were very few men at the barracks. As two battalions were under orders to move out it was considered that this may have accounted for the small number of men. He reported that he had not made contact with the Italian medical officer (Lt. Milani) as had previously been instructed when he visited this office on 21st April. The necessity to contact the Italian medical authorities was repeated.

4. While there is some excuse for the confusion in regard to the spraying during the first two days, the matter could have been corrected

Declassified E.O. 12356 Section 3.3/NND No. 785020

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4. While there is some excuse for the confusion in regard to the spraying during the first two days, the matter could have been corrected at that time. During his visit to this office on 21st April 45 it was particularly stressed to O.C. 12 M.C.U. to ensure contacting the Italian authorities and to double up his own men with Italians in order that the maximum instruction could be gained by the Italian staff who have not previously had experience of using DDT. (Tenente Milani's name was given as the officer to contact). It was hoped by this means to avoid the necessity of a British M.C.U. being required on future occasions.

1892

5. DMS AFHQ have authorised the spraying with DDT of the Italian Reinforcement Camp. It is requested that, supplies permitting, the Italian Reinforcement Camp at Bosco Piati, Frosinone be sprayed with DDT, particularly as the category (III-III) of Italian troops stationed there are not authorised to draw mosquito nets. The area has been reported by OC 10 Malerial Field Laboratory as highly malarious.

Do not send. Keep in file if further details required. Scott

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RBG

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

00 Translation. 00 80.

From: AI of W
to AMMA for Information.

Ref N° 1/13321/L.
Date. 21/4/45.

Anti malarial campaign in the FROSINONE and ANAGNI training camps.

Wash. 24/5/45.

In respect of the anti malaric campaign, the Medical Directorate of the local territorial command have informed us that the following works have to be carried out urgently in the afm centres:

A) fencing of mosquito netting to outside doors and windows for this work orders have been issued w letter 1/12400/L. dated 30/3/45.

for the supply of a/m netting that cannot be bought on the market in sufficient quantities and that are not available in our depots, request has been made to AMMA.

So as to obtain this assignment as soon as possible we have contacted the Cabinet so that they may be able to intervene

B) Digging of a system of drainage trenches, filling of shell holes, clearing of actual trenches in the nearby grounds, this to avoid stagnant water.

C) removal of bathing and bath refuse. for same Hygienic reasons as in Para B.

Since these works are needed for Hygienic reasons of a urgent character we order that they be carried out 1801 Battalions to orders and regulations issued with letter. R.D.L. 856 dated 21/6/40

finally this Ab Medical Directorate bringing into consideration

M/24/1969

Declassified E.O. 12356 Section 3.3/NND No. 785020

that the anti manial campaign work has been as up to zero carried out by personnel in transit and has given last little results due to this fact, considers that the employment of civilian personnel for this work as a necessity.

to meet those requirements that Command is authorised to employ the necessary civilian employees selecting them for civilian who already ~~where~~ well employed by the Military admin but that could not be re employed, Please make contact with the Camps HQs and the Medical Directorate, the latter will be responsible for the result of the civilian employees used

For the equipment to be used by those squads the Ministry has issued orders with letters 11/22705/M dated 2/4/45 and 11/22611/M same date addressed to Eng HQ.

Finaly we inform you that M M I A contacted in respect of an excavator have refused its assignment.

R Mansfield

COLVARD.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject :- Cpleen & Parasite Rates - Italian Military.

"Q" MIL INTC TOP
Ref: AQ/11/165

1 May 1945

Med

NALA

Ref your M/2A/1919 of 30 April 45

The attachment of British M.O. Captain PATERSON to this Centre, has ceased and your letter quoted above has been passed to 83 Field Hospital for action.

A.M. Hallam Major RA
Lieut-Col RA

AMC/ca

Internal
File
Flint

Wilkes.

2/5/45

File

M/Bn/1948

Declassified E.O. 12356 Section 3.3/NND No. 785020

00 7800

Subject: Mepacrine

Land Forces Sub Comm.
A.G. (MIA)
ROME
M/24/1343
2 May 45

Senior MIA L.O.
5th Army

The Ministry of War is transferring two million mepacrine (or equivalent substance) tablets to Rome.

Please ensure that transport is made available within the next 7 days. It is thought that one 3-ton lorry should be sufficient.

A.W.J. Cooper,
Staff Capt.
for A.D.M.S.
Land Forces Sub Comm. AC. (MIA)

/RSG

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Anti-Malarial Supplies

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/24/1933 / May 45

MMIA L.C.
Rear 8th Army

Reference attached copy of DMS AFHQ letter M.6029 of 27 April 45.

Please instruct 228 Italian Division to submit an indent through normal British channels to 2 Sub Depot 557 R.O.D. for fit guns on the scale as laid down in G.R.O. 235 of 1945.

Authority for release memorandum AFHQ DCS 1908 (GHQ.1.) dated 24 April 45.

A.C. Heggie
Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/REG

Copy to: DMS AFHQ
DDMS Rear 8th Army
Int: 9(GS)

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Anti-Malaria Supplies - Italian Army. Ref:- M.6029.

To:- Assistant Director of Medical Services,
Land Forces Sub-Commission, A.C. (MMIA),
C.M.F.

1. Deputy Director of Medical Services, Eighth Army represented that in order to safeguard the health of our own troops, facilities should be given for personnel of 228 Italian Division to undertake adult mosquito killing.

2. Ord this H.Q., have agreed to release to the Division Flit Guns on the scale laid down in C.R.O.255 of 1945.

3. May the unit please be instructed to place indents on 2 Sub Depot, 557 B.O.D.

A.E. Paxton, Lieut-Colonel, A.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

27 Apr.45.
AEF/EP.

Copies to:- Deputy Director of Medical Services, Rear H.Q., Eighth Army, C.M.F. - reference this Directorate's memorandum of even number dated 22 Apr.45.

Director of Ordnance Services, A.F.H.Q.

Ordnance Officer, 2 Sub Depot, 557 B.O.D., C.M.F.

Chief Ordnance Officer, 557 B.O.D., C.M.F.

Reference memorandum DOS. 1966 (ORD.1) dated 24 April, 1945.

1796

M/S A/1914

Declassified E.O. 12356 Section 3.3/NND No. 785020

0076

TRANSLATION

Ref No. 6/I435/i.s
Date 28/4/45

FROM M.O.W.
TO. [illegible] gen. directorate
& to M.M.I.A. for info

Anti malaria campain Recruiting centre FROSINONE

For the small scale disinfection of the premises occupied by the troops in malarial area and specially for the spraying of the stagnant waters this directorate has already sent adequate quantities of Paris green and malariol

However difficulties are being encountered in the actual carrying out of the work this due to the factthat bellows and sieves for paris green and sprayers for malariol are not available

The local medical officer after inspection has authorised the ~~acquisition~~ purchase on the local market of the required material for this also gave very poor results

In view of the urgent necessity to have such material ready for the approaching malarial season we beg you to contact the Eng H.Q. for the acquisition of I2 bellows 6 sieves I2 sprayers that would be subsequently issued by this directorate

VINCENZO

R.A.G.M.

War. File 30/4.

M/821/1937.

1795

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Supply of Quinine

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/24/1921
30 April 45

Air Forces Sub Comm.
A.C. (2 copies)

Copy to: Ministry of War,
Direzione Gen. di San. Mil.

1. Information has been received at this H.Q. that quinine salts are not available to Italian Air Force personnel in the Foggia area.

2. If this statement is correct it would appear that there is a fault in the distribution down to units. This is the responsibility of the Italian Air Force Command in Apulia.

3. It is requested that this matter be referred to the Medical Directorate, Italian Air Ministry for investigation and action as necessary.

/REG

A.W.J. Cooper,
Staff Capt.
for A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

1794

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Spleen and Parasite Rates - Italian Military

764

Land Forces Sub Comm.
A.C. (MMIA)
ROME
B/2A/1919
30 April 45

"F" D.L.O.
for Medical Officer

1. As a result of a recent investigation of 278 Italian Army personnel at Cesano, C.C. 10 Malaria Field Laboratory reports that 3 personnel were found to have positive blood films.
Relative reports are attached.

2. Please arrange for the Italian Medical Services to trace these men and arrange for the necessary hospitalisation with treatment.

a-d

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/HBC

FILE.

1793

Declassified E.O. 12356 Section 3.3/NND No. 785020

ject:- Malaria and Parasite Rates, Italian Military Personnel.

To:- A.D.M.S.,
L.of C. Forces Sub-Commission,AC(NORTH)..
C.M.F.

Ref. MPL/COMM/45/2
Date 28 Aug. 45.

73

At the recent investigation of 278 Italian Military personnel of the Italian Military Camp, CESANO, a spleen rate of 10% and a parasite rate of 5% were found. The names of the soldiers with positive blood are attached for your information, in case it be desired to give them treatment.

J.C. Macklillop

(J.C.MACKILLOP) Lt.Col. R.A.M.C..
O.C.. No.10 Malaria Field Laboratory,CMF.

M/29/1907

1792

72

MINUTES OF CONFERENCE ON

MALARIA CONTROL IN ROME AREA ALLIED COMMAND

22 April 1945

DISTRIBUTION:

Malariologist, PBS, APO 782 US Army
" ATC, Ciampino Airport
" 1 Repl. Depot
" 133rd Malaria Control Detach
DDMS UDF Adm HQ (Main)
DDMS 3 District
ADMS 57 Area
ADMS Land Forces Sub Commission (MMIA)
DADH 201 Sub Area
SMO 2 Base Area RAF.
10 Malaria Field Laboratory
25 Field Sanitary Section
33 Malaria Control Unit
76 Anti Malaria Control Unit
Capitaine Dutellier, Commandement D'Armes Français de Rome
Colonel Guerra, Direzione Sanità Militare, Roma.

Malariologist, UNRRA City
" Public Health Sub-Commission, AC.
Malaria Control Demonstration Unit, AC.
Prof Misseroli, Istuto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ.)
" MTOUSA, APO 512 US Army) For
" AAF/MTO) Information
" AAFSC/MTO)

RAAC Distribution

Commanding General

Declassified E.O. 12356 Section 3.3/NND No. 785020

Colonel Guerra, Direzione Sanità Militare, Roma.

Malariologist, UNRRA City
" Public Health Sub-Commission, AC.
Malaria Control Demonstration Unit, AC.
Prof Misseroli, Istuto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ.)
" MTOUSA, APO 512 US Army) For
" AAF/MTO) Information
" AAFSC/MTO)

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

M/DA/1906

1791

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

MINUTES OF CONFERENCE ON
MALARIA CONTROL IN ROME AREA ALLIED COMMAND

22 April 1945

PRESENT:

Colonel T.D. INCH	Surgeon, RAAC.
Colonello Vicenzo GUERRA	Direzione Sanità, Territorio di Roma.
Lt.Col W.A. HEGGIE	Land Forces Sub Commission AC, (MMIA)
Lt.Col J.C. MCKILLOP	10 Malaria Field Laboratory
T.Colonello Massa FILIPPO	Direzione Sanità, Territorio di Roma
Major D. BELL	DADH 2 District
S/Ldr W.B. PARKER	2 Base Area, RAF.
Capt Eric W. MOOD	133rd Malaria Control Det
Capt J.M. WILSON	10 Malaria Field Laboratory
Capitaine Victor DUTELLIER	Commandement D'Armes Français de Rome
Lieut C.S. CURTIS	25 Field Sanitary Section
Lieut R.D. JOHNSON	33 Malaria Control Unit
Lieut A. FOX	76 Anti Malaria Control Unit
2/Lieut William F WALLER	1 Repl. Depot
Doctor Floyd S MARKHAM	Allied Commission
Mr Fred W KNIPE	Allied Commission
Prof A MISSAROLI	Istituto Superiore di Sanità
Major W. DAVIDSON	DADH, RAAC.

Surgeon — Read the Minutes of the last Conference. These were agreed.

Surgeon — Introduced Capitaine Dutellier, French Army.

1. MALARIA MAP

Surgeon — Explained that there has been a delay in getting the

Lieut A. FOX	76 Anti Malaria Control Unit
2/Lieut William F WALLER	1 Repl. Depot
Doctor Floyd S MARKHAM	Allied Commission
Mr Fred W KNIPE	Allied Commission
Prof A MISSAROLI	Istituto Superiore di Sanità
Major W. DAVIDSON	DADH, RAAC.

Surgeon Read the Minutes of the last Conference.
These were agreed.

Surgeon Introduced Capitaine Dutellier, French Army.

1. MALARIA MAP

Surgeon Explained that there has been a delay in getting the map printed. No definite date could yet be given for issue.

2. ROCKEFELLER SCHEME

1790

Progress in LIDO DI ROMA has been slower than was anticipated but work there will be finished this week.
So far 1250 lbs of DDT have been used in this town.
The rural area of FIUMICINO is complete and the urban district will be completed this week.
A start has been made on the MACCARESE Plains.
Estimated a further 1200 lbs DDT will be required to complete the scheme.
Italian Army personnel have been trained in spraying.

Declassified E.O. 12356 Section 3.3/NND No. 783020

3. CONTROL IN ITALIAN ARMY

Lt.Col Heggie — 12 (Br) Malaria Control Unit has arrived in FROSINONE and will spray barracks with DDT.

Prof Missiroli — Urged that effective larval control be carried out as well as DDT spraying.

Col Guerra — Although there was some confusion at first about allocation of responsibilities at CESANO, the work there is now proceeding smoothly and satisfactorily.

4. CIVILIAN CONTROL

Prof Missiroli — Work proceeding in LITTORIO Province. Requires some DDT to use in the area between VELLETRI and TERRACINA. This request has already been forwarded to Allied Commission.

5. PROGRESS OF MCUs

Capt Mood
Lt Johnson
Lt Fox — Outlined the work being carried out by their respective Malaria Control Units. Main efforts have been DDT spraying, ditching and canalizing. Some Anopheline breeding is now being found and this is being dealt with.

6. TRAINING

Capt Mood
DADH — Reported that US and British Courses had now been completed.

7. MALARIA ORDERS

Surgeon — Read the Order which it was proposed to issue. This Order combines AFHQ GRO 335 and MTOUSA Circular No 54 Section IV. In the absence of the Deputy Surgeon no final decision was taken.

8. NEXT MEETING

The next meeting will be held at the Office of the Surgeon, Rome Area Allied Command at 1100 hours on Sunday May 6th 19[illegible].

Declassified E.O. 12356 Section 3.3/NND No. 785020

is being dealt with.

6. TRAINING

Capt Mood DADH — Reported that US and British Courses had now been completed.

7. MILITARY ORDERS

Surgeon — Read the Order which it was proposed to issue. This Order combines AFHQ GRO 335 and MTOUSA Circular No 54 Section IV. In the absence of the Deputy Surgeon no final decision was taken.

8. NEXT MEETING

The next meeting will be held at the Office of the Surgeon, Rome Area Allied Command at 1100 hours on Sunday May 6th 1945.

W.DAVIDSON,
Major RAMC.,
D.A.D.H.

25 Apr 45
TDI/WD/jrb.

Declassified E.O. 12356 Section 3.3/NND No. 785120

Subject: Mepacrine Distribution

75

SECRET

Land Forces Sub Comm.
A.C. (MMIA)
RGMR
M/24/488 1888
27 April 45

DMRS Rear 8th Army (2)

Copy to: AMRS 5th Army (Br Incr) (2)
'Q'

Reference your signal M 3102 of 25 April 45 and further this office signal M 1865 of 26 April 45 (not to 5th Army Br Incr).

1. Two million tablets mepacrine were released from the Italian Depot at Ancona to S & T 8th Army for distribution through British D.I.Ds. Two million tablets were similarly released from the Italian Depot at Florence to S & T 5th Army (Br Incr). A further one million have been sent today to 'S' (Italian) Adv. Depot Medical Stores, Rimini for collection by S & T 8th Army.

2. A total of 5,000,000 has therefore been sent in all and taking the average date of commencement as 21st April 45., sufficient supplies have been sent forward to last all Italian Combat and Service troops under command 8th Army and 5th Army (Br Incr) for approximately 70 days or over 60 days, allowing for future Italian troops movements. Present supplies are therefore sufficient until 21st June 1945.

3. It is therefore requested that the S & T Branches of 8th Army and 5th Army (Br Incr) will liaise in order to ensure a pro rata distribution which was unavoidably upset by changes of military command of certain Italian units.

4. HQ MMIA will arrange to take the necessary provisioning action to send forward further supplies of mepacrine on or before 10th June 45.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Depot at Ancona to S & T 8th Army for distribution through Partisan D.I.Ds. Two million tablets were similarly released from the Italian Depot at Florence to S & T 5th Army (Br Incr). A further one million have been sent today to 'S' (Italian) Adv. Depot Medical Stores, Rimini for collection by S & T 8th Army.

2. A total of 5,000,000 has therefore been sent in all and taking the average date of commencement as 21st April 45., sufficient supplies have been sent forward to last all Italian Combat and Service troops under command 8th Army and 5th Army (Br Incr) for approximately 70 days or over 60 days, allowing for future Italian troops movements. Present supplies are therefore sufficient until 21st June 1945.

3. It is therefore requested that the S & T Branches of 8th Army and 5th Army (Br Incr) will liaise in order to ensure a pro rata distribution which was unavoidably upset by changes of military command of certain Italian units.

4. HQ MMIA will arrange to take the necessary provisioning action to send forward further supplies of mepacrine on or before 10th June 45.

5. This arrangement is necessary as mepacrine "dues in" have not yet arrived at the Central Depot, Rome.

1789

A.C. Heggie

Lieut-Col.
A.D.M.S.
Legal Forces Sub Comm. AC. (MMIA)

/RBG

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Return of Measuring Sticks

Land Forces Sub Comm.
A.C. (MMIA)
RCHE
M/24/1879
27 April 45

Ministry of War,
Direzione Generale di Sanita Militare

Please arrange for all Italian Depots of Medical Stores to make a return by signal showing stocks of mepacrine or equivalent as at 25 May 1945.

The information received will be forwarded to this office by 5th June 1945.

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RDG

1788

Declassified E.O. 12356 Section 3.3/NND No. 785020

CO

69

Subject: Distribution of Penicillin

Land Forces Sub Comm.
A.C. (SCI.)
2362
3/24/1877
17 April 45

Ministry of War,
Direzione Generale di Sanita Militare

Copy to: Medical LO MTA

Ante the new disposition of Italian troops it is requested that the following action be taken forthwith.

1. One million penicillin tablets from Naples to S & T Rear 8th Army. Transport has been arranged for 27.4.45.

2. Two million penicillin tablets be withdrawn from Bari and sent to the Virgilio Military Hospital, Rome.

A.W.J. Cooper,
Staff Capt.
for A.D.M.S.
Land Forces Sub Comm. AC. (SCI.)

/IBG

1787

Declassified E.O. 12356 Section 3.3/NND No. 785020

Signal Message

26 1735 B

From: MMLA

To: LDMS REAR 8TH ARMY

Info: MMLA LO REAR 8TH ARMY

RESTRICTED

M 1865

REF YOUR 3102 OF 25 APRIL (.) ONE MILLION MEPACRINE BEING FORWARDED TO "S" ADV DEPOT MEDICAL STORE (.) DEPART ROME MORNING 27TH (.) REQUEST YOU ARRANGE FOR S/T 8TH ARMY TO COLLECT

Precedence IMPORTANT

Authenticated W.G. Heggie Lt.Col. 1786

Init:

Ministry of War, Sanita

Declassified E.O. 12356 Section 3.3/NND No. 785020

RAAC MESSAGE FORM

4570

CALL	CIRCUIT No.	PRIORITY	TRANSMISSION INSTRUCTIONS
(A)	NR 4570	IMPORTANT	

SPACES WITHIN RED LINES FOR SIGNALS USE ONLY

M.M.I.A. SIGNALS DATE-TIME OF ORIGIN 26/26

FROM (A) REAR EIGHTH ARMY

IMPORTANT

251325B

TO (FOR ACTION) ADMS LAND FORCES SUB COMMISSION ALLIED COMMISSION(MMIA) ROME

MESSAGE INSTRUCTIONS	GR

TO (FOR INFORMATION)

(REF. No.) MED 3102

IMPORTANT

(SECURITY CLASSIFICATION) CONFIDENTIAL

ST EIGHTH ARMY REPORTS PRESENT HOLDING MEPACRINE FOR ITALIAN TROOPS 18 DAYS SUPPLY.

FURTHER STOCKS ITALIAN MEPACRINE URGENTLY REQUIRED.

TO BE DELIVERED TO ST REAR EIGHTH ARMY.

67. med. 26/4

IMPORTANT

M/A/1853

This Message will NOT be distributed outside British Government Departments or Headquarters, or re-transmitted even in Cipher, without being PARAPHRASED (Messages marked O.T.P. need not be paraphrased)

DECIPHERED 260840 1785

LOCAL DISTRIBUTION	PRECEDENCE:	THI OR TOR	Opr.
	ORIGINATING SECTION:		
	A. G. AUTHENTICATION:	TIME CLEARED	
	ORIGINATOR'S AUTHENTICATION:		

IMPORTANT

Declassified E.O. 12356 Section 3.3/NND No. 785020

SECURITY

Subject:- Malaria Parasite reservoir- Italian Military Personnel.

To:- S[illegible]M.A.D.M.S.,R.A.A.F.

Ref. MFL/SRI/601.
Date. 24 APR.'45.

From:- O.C.,10 Malaria Field Laboratory.

(1) The attached report of Parasite Rates at the Italian Military Camp at CERAMI carried out by Capt. A.T.Roden, R.A.M.C. and Capt. W.S. Baxter, R.A.M.C. of this unit, is forwarded for information.

(2) The camp concerned is a reinforcement, reallocation and training camp consisting of newly called up recruits, ex-partisans and veteran soldiers.

(3) The present investigation indicates a low Parasite Rate of 1%.

(4) It is suggested that the findings may be taken to represent a provisional estimate of the Parasite Rates in Italian Military personnel generally, but should not be accepted as conclusive till a further investigation is made covering a greater number of samples.

copy to/ADMS., Land Forces Sub-Commission, M.M.I.A.
D.D.M.S., 2 Dist.
D.M.S., A.F.H.Q.
Adviser in Malariology, A.F.H.Q.

W.Ref. 25/4 file

J.C. Macmillan

(J.C.MACKILLOP) Lt.Col.R.A.M.C.,
O.C.,10 Malaria Field Laboratory,CMF.

M/2A/1840

1784

Sub. :- Spleen and Parasite Rates of Italian Military Personnel at GESAND.

Ref.MFL/SVY/601.
Date 23 Apr.'45.

To:- O.C., 10 Malaria Field Laboratory.

From:- Capt. A.T.RODEN. R.A.M.C., and Capt. W.S.BAXTER. R.A.M.C.

Map References :- Italy 1:100,000 Sheet 143.

Date of Survey :- 20 Apr.'45. Date of Report :- 23 Apr.'45.

An investigation of spleen and parasite rates of Italian troops stationed at a camp near GESAND. 620.865. The Italian military authorities were requested to parade 300 men taken at random, so that a representative cross-section of the troops should be examined.

The following results were obtained :-

Spleen Rate :-

Place of Origin.	Number Examined.	Ages.	SPLEEN 0	P	1	2	3	4	Spleen Rate %	No. who have had malaria	% who have had malaria
Italy	181	18-28	161	10	10	-	-	-	11	62	33
Sicily	92	18-28	83	4	5				10	39	43
Sardinia	5	18-28	5						Nil	1	20

Parasite Rate :-

Home	No.Examined.	Ages.	Number with Parasites. Vivax	Falc.	% with Parasites. Vivax	Falc.
Italy	181	18-28	2	-	1	-
Sicily	92	18-28	1	-	1	-
Sardinia	5	18-28	-	-	-	-

Further details are contained in Appendix 'A'

A T Roden

(signed) (A.T.RODEN) Capt.RAMC.,

1783

Declassified E.O. 12356 Section 3.3/NND No. 785020

Parasite Rate :-

Home	No.Examined.	Ages.	Number with Parasites. Vivax	Falc.	% with Parasites. Vivax	Falc.
Italy	181	18-28	2	-	1	-
Sicily	92	18-28	1	-	1	-
Sardinia	5	18-28	-	-	-	-

Further details are contained in Appendix 'A'

(signed) A T Roden 1753
(A.T.RODEN) Capt.RAMC.,

W S Baxter
(W.S.BAXTER) Capt. RAMC.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

APPENDIX 'A'.

Place of Origin.	History of Malaria	Nos.	Spleen Size. Nil	P	1.	Rate %	Parasites Nos.	Rate %
Mainland of Italy	Nil	119	114	1	4	4%	-	-
	Previous to 1944	21	20	1	-	5%	-	-
	Recent 1944-45	41	27	8	6	34%	2	5%
Totals		181	161	10	10	11%	2	1%
Sicily.	Nil	53	51	2	-	4%	-	-
	Previous to 1944	20	17	2	1	15%	1	5%
	Recent 1944-45	19	15	-	4	21%	-	-
Totals		92	83	4	5	10%	1	1%
Sardinia.	Nil	4	4	-	-	-	-	-
	Recent 1944-45	1	1	-	-	-	-	-
Totals		5	5	-	-	-	-	-
Grand Total		278	249	14	15	11%	3	1%

Subject: Italian Malaria Control Units

65

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/24/1831
25 April 45

DDMS
HQ 3 District

1. It has been decided by AFHQ that the formation of Italian Malaria Control Units was not considered necessary (except for the Combat Groups) owing to the generally interspersed distribution of the Italian troops.

2. The Training and Reinforcements Centre, Italian Combat Force, Cesano was surveyed under the instruction of ADMS, R.A.A.C. and a copy of 10 Malaria Field Laboratory letter ref. MFL/SVY/601 of 2 April 45 is attached. This area is not at present covered by any M.C.U. Unit squads are working in their own areas. There will ultimately be 16,000 troops in this area.

3. The question of malaria cover was discussed with Medical Branch AFHQ who were of the opinion that this commitment should be covered by a British M.C.U. rather than the formation of and issue of equipment to an Italian M.C.U.

4. It is requested that the R.T.C., I.C.F. Cesano be therefore included in the commitments of a British M.C.U.
There is a British medical officer attached to 'F' BLU at Cesano and a few trained Italian Medical Corps personnel are available to assist in the

Declassified E.O. 12356 Section 3.3/NND No. 785020

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There is a British medical officer attached to 'F' BLU at Cesano and a few trained Italian Medical Corps personnel are available to assist in the work.

1781

file

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RBG

Copy to: DMS AFHQ
ADMS, R.A.A.C. } without
CC 10 Malaria } MFL/SVY/601
Field Lab. } of 2 Apr 45.
'F' BLU

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Mepacrine

603

Land Forces Sub Comm.
A.C. (MMIA)
FB/MB
M/2V/1805
23 April 45

MMIA L.O.
52 Area

Reference your OLO/7 dated 20 April 45.

Units in question should apply to the Territorial Hospital, Catanzaro where the supply of Mepacrine is more than adequate.

A.W.J. Cooper,
Staff Capt.
for A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RMG

1780

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject : Menaorine.

Liaison Officer
Land Forces Sub Comm.A.C.
(L.M.I.A.)
c/o BG 52 Area
CIC/7
20 APR 45

To : ADLC Land Forces Sub
Comm.A.C.(ANTA)

Attached copies of correspondence, relating to issue of Menaorine to Italian military units at CASTIONE, is forwarded for your information and necessary action.

E.L. Mount-Mason
Capt.R.A.S.C.
Land Forces Sub Comm.A.C.
(L.M.I.A.) 52 Area

M/SA/1779791

Declassified E.O. 12356 Section 3.3/NND No. 785020

C C PW

Subject :- Issues to Italian military.

HQ 52 AREA CBE
Phone 2011

H T. Lo
c/o HQ 52 Area

S/ 251/1/43
19 April 43

1. Attached is a copy of letter from CO ADSC CROTONE.

2. Will you please investigate the possibility of supplying kerosene to these units and advise this HQ in due course of the decision reached.

(sgd) Lt.Col.
ADSF

Copy to:CO ADSC CROTONE - your P/1/28-25 of 16 Apr 43 ref.

9 CRE

Declassified E.O. 12356 Section 3.3/NND No. 785020

C O V

Subject :- Re Use Kenacrine Italian Military.

R/1/2823

A.D.S.T.
HQ 52 Area
C.M.F.

1. The following Italian Military Units are stationed in CROTONE and rationed by the Italian Supply Depot Catanzaro :

63 COMPAGNIA MORTAI DA 81 (BR-ITAL) Strength 200

294 AUTOCARRETTO LEGGERE (BR-ITAL) " 200

2. These units are unable to obtain Kenacrine through Italian sources, and have asked for supplies. In view of their proximity to British Troops it is thought desirable that Kenacrine should be made available either through their own supply unit or through S.F. channels.

3. It is requested that arrangements may be made to supply.

(Sgd) H.F.FISHER Capt

for Actg
OC HQ 52 CROTONE AREA

Field
16 April 45
HFF/DF

Copy to : 9 CRE (Works)

1768

Declassified E.O. 12356 Section 3.3/NND No. 785020

From: PM of W
To: See addressees
Copy to: PM MM 1A

Information
ref. 4/1306/15
20 April 1945

... for information. —

Gen CALDARELA

62

Signal

From: MM. MM. 1A.
To: AFHQ
~~See file~~
Info: Distrib Local 701 Subarea Ben Baun

ref. MM/1680
16 April 1945

Under arrangements Distrib Italian Refs Camps at Frosinone will receive DDT under supervision 1 DMCU @ Report 50 lbs DDT and 125 gallons Residue be shipped to 701 Sub Area for collection 1 DMCU on arrival.

Initd. 23/4 Fch

MM/1A/1796

1767

Declassified E.O. 12356 Section 3.3/NND No. 785020

COPY

61

SUBJECT: FROSINONE Camp - Anti-Malaria Measures

LAND FORCES SUB-COM, AC (MMIA)
RE/2/1
20 Apr 45.

TO : MINISTRY OF WAR

Reference letter 6/2919/Serv di prot of 12 Apr 45. It has not been found possible to obtain the use of an excavator or bulldozer for work on the drainage of land near FROSINONE Camp.

A British Malaria Control Unit is visiting this Camp in the near future and will advise on the anti-malarial measures necessary.

tvs.

s/d RC COPLESTON,
Maj.
for
Major General

Internal

A
Med

Ward

Yale

23/4

M/2A 1766

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

60

Subject:- Anti-Malaria Instruction. Ref:- M.6234.

To:- Deputy Assistant Director of Medical Services,
Land Forces Sub Commission,
Allied Commission (M.M.I.A.)

Reference your memorandum M/2A/1153 dated 17 Mar.45.

1. The formation of Italian Army Malaria Control Units (other than the Platoons with the Combat Groups) is not considered to be necessary.

Individual units in malarious areas should be responsible for control within and around their own unit lines in the same way as British Units. Each unit should provide an anti-malaria squad consisting of one N.C.O. and three O.Rs. per unit of company strength (with a 100% named reserve) for this work. Supplies of Malariol, and Paris Green can be made available for units in areas in which n danger of malaria exists. The selection of non-malarious sites must be the most important anti-malaria measure in the case of Base and L. of C. troops, and therefore, extensive control measures should seldom be necessary.

2. "Malaria 1945" will be published shortly. This contains instructions and scales of equipment. A copy of Scales of Equipment is attached.

hs HDChalke

H.D. Chalke, Lieut-Colonel, A.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

6 Apr.45.
HDC/PP.

1765

Wells.
9/4. No Action - Units already have scales
File M/2A/1540

Vol. 8

FIELD EQUIPMENT OF A MALARIA CONTROL UNIT.

Sprayers, Knapsack (Four Oaks, Rose Pattern)	9	
- do - - do - (Four Oaks, Kent Pattern)	6	
Distributors Paris Green (Dust Guns)	6	
Mixers, Paris Green, rotary complete	6	
Sieves, double, 20 and 30 mesh per inch	6	
Haversacks, G.S.	40	
Braces, W.E.	40	
Sprayers, hand, Large, (Mummey)	40	
- do - head, small (Flit guns)	100	
Plants, spraying, insecticide, engine driven (additional may be supplied on recommendation of AFHQ)	1	Replaces 6 sets of equipment per M.A.U.
Boots, gum, long, pairs	20	
Axes, felling, and handles	6	
Axes, hammer headed	6	
Axes, pickheads	40	
Axes, pick helves	40	
Shovels, G.S.	30	
Spades	30	
Crowbars	6	1764 150
Knives, Long, hedging	20	
Sickles, or hooks reaping	20	25x6
Rakes, garden	40	

Declassified E.O. 12356 Section 3.3/NND No. 785020

Axes, felling, and handles	6	sets of equipment per M.C.U.
Axes, hammer headed	6	
Axes, pickheads	40	
Axes, pick helves	40	
Shovels, G.S.	30	
Spades	30	
Crowbars	6	
Knives, Long, hedging	20	
Sickles, or hooks reaping	20	
Rakes, garden	40	
Saws, hand, large	2	
Stones, scythe, rub	2	
Matchettes, 12 inch.	6	
Gloves, hedging, pairs.	40	
Ladles, white enamelled	6	
Brooms, bass	36	
Collectors outfits (complete)	1	
Capes, anti-gas	12	
Eye Shields, anti-gas.	24	
WHEEL BARROW	1.	

1764
150
25x6

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

UNIT EQUIPMENT.

Flit Guns	All Units	10% of Strength
Sprayers, hand, mamey or Myeto	- do -	1% - do -
Anti-Mosquito Veils	- do -	10% - do -
Curtains, Mosquito or Sandfly	Base and L. of C. Units.	100% - do -
Bush Nets	Field Units only.	100% - do -
Anti-Mosquito Gauntlets		2% - do -

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation

From: 20/w

To : 'VIRGILIO' Mil. Hosp. Direct.

Ref: 6/2638/3414
Date: 18 April 45

For information of MMIA
(Ref letter M/2A/1634 dated 13th inst).

579

Subject: Allotment of flit pumps.

This Directorate arranged for the issue and the urgent shipment of a 100 (hundred) flit ~~pumps~~ sprays to Frosinone Reinforcement Training Centre.
The a/m flit sprays will be withdrawn from the available stock at the Depot of the said Hospital, mentionned in letter Ref: M/2A/1634.
Inform this Ministry as soon as the a/m ~~pumps~~ sprays is completed

Signed: CALDAROLA

Ernesto

Wells.
20/4.

M/3A/1747762

File

Declassified E.O. 12356 Section 3.3/NND No. 785020

S.O.R.E. 00

Re. para 1. Any answer fm AFHQ re wire gauge

Well 2/4.

ADMS No reply yet received.

Doctrine

A(BE) will

RDF 22/4

Well 24/4. File

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation

From : Ministry of WAR
To : MMIA
Ref. : 6/2798/3422
Date : 18 April 45
Subject : Wire gauze screens for the Reinforcements Training Center at Frosinone.

Ref. per. 4 and per. 7 of letter M/2A/1637 dated 13th inst.

1. We beg to report that wire gauze screens for anti-malaria mecchanical defence are unavailable at medical depots and warehouses. The Engineer Directorate General, which was approached some time ago in regard to this matter, has informed us (letter No.II/21929/M dated March 27, 1945, sent to MMIA), that the warehouses under its command are also out of wire gauze screens, and has suggested that they be assigned from Allied sources, in consideration of the fact that said materials cannot be found on the market.

2. In regard to the flit sprayers, this Ministry, with a letter dated Feb. 18, ordered the urgent assignment of said items to the Reinforcements Training Center at Frosinone.

(sgd) Calderola

Cpl VDC

7/3/25/765

Declassified E.O. 12356 Section 3.3/NND No. 785020

S.O.R.E. Have we had any release from AFHQ yet?

Wald 23/24.

1759

Declassified E.O. 12356 Section 3.3/NND No. 785020

From: M of W
to: Sezfarolaveseg
Copy to: MMIA

Translation
Ref. 4/1805/S.1.
20 April 1945

..... for information

Gen Cabolavola.

From: Terr. Eng. HQ Rome

Ref. 2/5646
11 April 1945

Subject: Works at FROSINONE R.T.C.

With ref to letter 5816/tav dated 15/4/45, we have already instructed the Works Directo rate under command to examine urgently the works requested by Mil. Gen. Direktorate concerning the layout of the anti-malaria net we inform you that we cannot take action because up to date the mosquito has not been possible to find not the wire) nothing needed.—

Gen. CORTELLESSA

(Lavalotti)

M/2A/1789

Declassified E.O. 12356 Section 3.3/NND No. 785020

HQ 2 DISTRICT C.M.F.
Tel No.....Ext 66
9612 K.
18 Apr 45.

Subject:- D.D.T.

Surgeon (ADMS) R.A.A.C.

1. Authority is given by A.F.H.Q. for release to 12 M.C.U. of 50 lbs of D.D.T. from the present March-April stock.

2. This amount will be made during the next 2 monthly period.

Wall. 19/4. File, for Brigadier DDMS
A. Tolman Lt Col

JEP.

Copy to:- ADMS M.M.I.A. —

1757

M/2A/1744

Declassified E.O. 12356 Section 3.3/NND No. 785020

LPKB V LAEE NR
QVR 2
FROM AFHQ 181812B
TO DISTWO
INFO MMIA -- RAAC -- 201 SUB AREA
GR 27 ET
RESTRICTED FX61942

REFER MMIA SIGNAL M 1620 OF APRIL 16 (.)
CITE FHMED SIGNED SACMED (.) PROVIDE FROM
ALLOCATION OF BDT AUTHORIZED FOR MARCH APRIL PER OD
BT 181812B
CCN: DELETE TT 9 AFTER FX NR P
SENT NR 18 FW BBB
RECD NR 18 18/55 B AAA AR KKK

Landfor Med 1944 - MBA

NARS 85/18

Wash. 19/4 1756 MBA/FX42 File

181930

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Malaria. Reference M.6234.

To :- A.D.M.S.,
Land Forces Sub Comm AC.(MMIA),
C.M.F.

Reference your memo M/2A/1637 dated 13 Apr 45, para 8.

It will not be possible to provide mosquito nets for ITI-ITI units from British sources.

A.E.PAXTON, Major, D.A.D.M.
for Major General,
Surgeon, D.M.S., A.F.H.Q.

16 Apr 45.
WED.

Copy to:- D.D.M.S., 2 District, C.M.F.

Wdft → Cpl C. note 1755
19/4. file M/2A/1718
A Serv 94

Declassified E.O. 12356 Section 3.3/NND No. 785020

55

Translation.

From: M of W
to all Commando.

Ref No 44/1161/I.S.
Date. 7/4/45.

WO 18/4 file

Anti larvea Campaign collaboration with civilian authorities

M/2A/1727

With circular Letter 552/I.S. dated 22-2-45 this ministry ordered the formation of a malaria squad in each unit. This squad after a short period of training would carry out the minor desinfection work against malaria.

The reports received up to now by the General Directorate show good prospects for the immediate starting of the work against the larvea, confirming the greatest and valid collaboration of all comando in respect of the work of the Medical organisation.

To enable us to obtain the best results from the whole of the means employed 1754 at malaria, it is necessary, as already stated in previous circular letter, that the Medical Directorates of the Territorial commando, Medical Offices of the Combat Groups and of the Serv. maintain the strictest collaboration with their

Declassified E.O. 12356 Section 3.3/NND No. 785020

attain cevil[illegible] medical authorities to agree according to the local condetions, on the plan of action.

Particularly: Contacts, are to be made urgently by the addressees with the Provincial Anti malaria committee for the proper use of the minor desinfection agriado, this would be a drantageous to the goal to be obtained not only for the commun benefit obtained by activ collaboration, but also because it would avoid duplication of work in any one area thus gaining a larger availability of specialist personnel for the work and also result in substantial economy of the material used in the campain against malaria

Where, a commitee has not been formed the agreements will be taken with the provincial Doctor.

As soon as We are awaiting reports from the addressee when they start their anti malarial campaign giving the data in respect of the areas where the minor desinfection agriado are being employed.

1753

C PALUDISMO

R Mansfield

Declassified E.O. 12356 Section 3.3/NND No. 785020

From: Major

To: Rome Terr. Medl. Direct. ref. 6/3332/MT

Copy to: MMIA

Translation

17 April 1945

54

Subject: Medical supplies for anti-malaria campaign.—

Rome Medl. Directorate will arrange for immediate shipment to FROSINONE R.T.C. of the following medl. supplies:

- MALARIOL Gallons 40.—
- PARIS GREEN lbs 50.—

This issue will be renewed each month up to the end of the anti-malarial season.

The same Directorate will moreover send to FROSINONE R.T.C., anti-mosq. & cream + liquid according to strength (see instructions contained in letter 6/1067/MT dated June 25th, 44 - copy attached./

1752

Lowbolz

M/281/776

CARDAROLA

WLW 18/4

Declassified E.O. 12356 Section 3.3/NND No. 785020

Inter-Office Memo

93

From: Medical

To: 'Q'

H/2A

18 Apr '45

Last year about 22,450 bush nets were released to the Italian Combat troops.

Ref: A.A.I. 3407/9(AE) of 17 June '44. refers.

As far as is known none of these were handed in to British Depots at the end of the 1944 malarial season. Of this number 6,750 have been traced. 2,320 are in possession of Foligno and 4,430 were handed in to the Base Military Hospital by "Legnano".

Assuming that the releases were made in full, approximately 15,000 remain untraced.

May enquiries be made to find out if any were returned to Commissariato Depots please?

Capt. RAMC.
S/Capt. Medical.

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

FROM : HQ Combat Group " LEGNANO"
TO. : M.O.W. MEDICAL DIRECTORATE.

Ref : 05/1400
DATE : 23/3/45

52

SUBJECT: MOEQUITO NETS for Beds.

This Combat Group has handed in to the Territorial Medical Depot(Virgilio Military Hospital, Rome.) the following anti malarial materials.

- Mosquito nets for beds	4,430	
- Mosquito Veils	233	
- Protective Gloves	232	Prs
- Paris Green	30	Kgs
Anti Mosquito Cream (boxes)	225	
- Mepacrine Tablets	277,060	
- Atabrin Tablets	8,400	

It is pointed out that of the 20?000 mosquito Nets of the C.I.L a large number weee issued to the"NEMBO" Division, and others to Battalions and units which no longer form part of this Combat Group.

Signed: Lt Col NELLO POLESE

From : M.O.W. Medical Directorate
To : M.M.I.A.

Ref : MWO 4/1066/Is
Date : 13/4/45

For Information

Ernera

24000 to child last year. (Lugano Inside)
difference has only lowered 6000 request
others be traced.

M/24/1706

2320
4430
6750

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

4/1211/15.

From. FOLGORE C.G.

Ref no 1172/SER.

To. M of W and A MIN. A for Info

Date. 13/4/45

Bed mosquito net.

FOL.

(57)

Ref to letter 4/766/15 dated 8/2/45. LEG.

Among the units of the Group there are 2320 mosquito nets of Allied origin demobilized as follows

SEE LIST.

R Hamfrey

A.

WCH. 18/4. → C&M.

M/2A/170 1749

Declassified E.O. 12356 Section 3.3/NND No. 785020

0 0

50

Subject:- Malaria.

HQ 2 DISTRICT C.M.F.
Tel No.....Ext 65
9602 M.
14/ Apr 45.

A.D.M.S.
201 Sub Area.

Ref attached copy of memorandum from D.M.S. A.F.H.Q.

1. 12 M.C.U. will move from 209 Sub Area to 201 Sub Area.

2. Necessary action as indicated in above memorandum, paras (a) to (c) will be carried out as soon as possible.

3. Training of Italian Control Unit personnel has already been arranged by A.D.M.S. M.M.I.A. in conjunction with the Rockefeller team at LIDO di ROMA.

4. Copy of report referred to from O.C. No 10 Malaria Field Laboratory is forwarded for information.

18/4.

R. Bleman Lt Col
Brigadier
DDMS.

JEP.

Copy to:- D.M.S. A.F.H.Q. - ref your M. 6234 of 12 Apr 44. 1748
AIMS 209 Sub Area
AIMS R.A.A.C.
AIMS M.M.I.A.
CC. 10 Malaria Field Laboratory
A/Q No 2 District.

M/2A/1713

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

FROM: Rome Mil.Terr.H.Q.Med.Dir. REF: 660/I.S.

TO: Rome Mil.Terr.H.Q. DATE: 9 April 1945.

SUBJECT: Medical-hygienic inspection of Frosinone Training Centre.

We forward a medical-hygienic report on an inspection made by Lt.Col.(M.O.) MASSA at the Frosinone Training Centre, with the request that the orders may be issued for the putting into effect of the prophylactic measures proposed in the conclusion, which have a nature of the maximum urgency in view of the now close malarious epidemic season and which require carrying out in full especially in respect of the three minor disinfection squads and the materials required by them.

We would inform you that the English Medical Officer, Colonel Inch, Chief of the Allied Medical Services of the Rome Area, stated at todays fortnightly anti-malarial meeting of his officers (at which meeting I was kindly invited to take part with the hygiene officer) that he had already approached the competent departments in order that a suitable quantity of the American product D.D.T. , quite efficacious for use in the anti-malarial campaign and to be used at Bosco Faiti, would, if possible, be placed at our disposal.

Sgd. VINCENZO
Col.

XVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXVXV

FROM: War Ministry REF: 4/1226/I.S.

TO: M.M.I.A. DATE: 12 April 1945.

Forwarded for information.

Sgd. CALDAROLA
Gen.

O.Danin Cpl.

1747
M/2a/1708

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

FROM: Rome Mil.Terr.H.Q.Med.Dir.Hyg.Sec. REF: 660/I.S.

TO: Rome Mil.Terr.H.Q.Med.Dir. DATE: 7 April 1945.

SUBJECT: Medical-hygienic inspection at the Frosinone Recruit Training Centre.

Furtherx to the orders of that Directorate I carried out on the 7th.inst. a medical-hygienic inspection of the Frosinone Training Centre,ascertaining as follows;-

UNITS BILLETED AT BOSCO FAITI

MALARIA:- The anti-malarial campaign has been entrusted,as proposed, to,Lieut.(M.O.) VALSECCHI,who will have no other duties. Two Military Squads,whose personnel are not fixed,formed about eight days ago,have already carried out work of minor disinfection;they have xxx filled in two largg ponds near the camp entrance,formed by bomb craters,and partially put in order the ditch which runs along the main road to the billeting huts.Further to collaborative agreements made by Lieut.VALSECCHI with the civilian malarial authorities of the area concerned (Dr.CARAFOLO of Ceccano) a squad of civilians will have to carry out the spraying, with Copper-arsenic pwder,of stagnant water,during next week. In addition,in order to do away with the deeper of the holes round about,Rome Military Territorial H.Q. has requested from thex Services Office of S.M.R.E. the assignment of an excavator for a week,which,if necessary,will have to be requested from the Allied Authorities. (letter 01/2812 of thex 6th.inst.

The grave preoccupation that the troops located at Bosco Faiti can,in the now imminent epidemic season,be seriously troubled with malaria,is not,however,diminished because of the following reasons:-

1) - The military squads which have been formed (including the N.C.O.s) comprise personnel available daily and have no technical training,xxx do little work,and are not volunteers.

2) - The working tools issued by the Military Engineers to said squads are absolutely insufficient because of lack of scythes,large and small,wheelbarrows,and rakes.

3) - The proposed civilian squad,of workers employed by the

Declassified E.O. 12356 Section 3.3/NND No. 785020

Militar Engineers,has not been formed.It is on this,though, that ~~xxx~~ reliance must be placed for the important minor disinfections.

4) - The works to be carried out appear to be extensive and of long duration.Considering solely the sustained yield forest in which the occupied pavilions are located and spread out over a very wide area,it is necessary to put in order a complicated system of small canals and intersecting ditches which are at present practically hidden by high and thick undergrowth,all to be removed.Bomb and shell craters are very numerous and deep. Direct Copper-arsenication is found to be difficult at the ~~xxxx~~ moment in view of the ~~xx~~ lack of suitable sieves and sprays.

5) - Rain is expected shortly,after a long dry period,worsen~~xxx~~ing the present situation when it is also borne in mind that the ground is of a clayish nature.

6) - The minor disinfections can~~x~~ no longer be conducted so slowly, because,as is~~x~~ known,the first mosquitoes hatch out at the end of April or the beginning of May.

7) - The protection of the doors and windows is difficult to carry out both because of the large quantity of metal wiremesh needed and the fact that in respect of the structural type of pavilions which were previously damaged,the Military Engineers have not commenced,nor appear to be commencing,to take measurments for a future refitting.

S.O.R.E

WATER SUPPLY: - The whole of the Training Centre is supplied solely with running water through an aqueduct soundly constructed by the firm of Bombrini and Parodi,using springs in the Botte area,the same ones which supply the Ceccamò acqueduct.The quantity of water at present reaching the Camp through this source of supply appears to be barely sufficient for rquirements and it is expected that when the fixed baths and washplaces shortly begin to function the water supply will be rather short.The pipe which carries the water from the springs to the tank ~~xx~~ has~~x~~ a diameter of 68mm.A second pump for the water supply has been installed since yesterday. As I was able to ascertain personally,and according to statements from the local Assistant Engineer,there is at present wastage of water due to taps being left turned on.Strict discipline needs to be excercised in respect of all the water supplies,limiting the supply to the washouses to several hours a day,and in the event of a real scarcity of water,issuing the Training Centre with a water truck. I have taken samples from the various taps for chemical and bacteriological examination.

S.O.R.E.

1745

Declassified E.O. 12356 Section 3.3/NND No. 785020

FIXED BATH INSTALLATIONS :-The work of adapting one of the pavilions can be considered as practically finished.Boiler and piping already fitted.Access to the baths (35 showers) is made from a large dressing room.It could commence working in from 6 - 8 days which will permit of the transferring of the Field Bath, at present being used, to the Anagni Detachment.

ABLUTIONS: - Are fixed outside all the pavilions used as billets. Ablutions are well made with pefforated metal tubing which are not, however, always connected to the already existant and sound system of waste water drainage.This dispersion of water into the ground, evenm if by means of properly executed canalisation, will certainly not improve the malaria problem. SORE

LATRINES: - All latrine installations are at present functioning, put back into a serviceable condition in a proper manner, and kept clean.Therare no field latrines.

HYGIENINC CONDITIONS OF THE BILLETS:- Cleanliness was as well cared for as possible in the dormitories and there was no sign of excessive overcrowding.Bedding in all cases consisted of a mattress on the ground as they are still waiting for double tier wooden bunks.The hygienic condition of Bosco between the pavilions , and even farther away, leaves much to be desired above all because of the prsence of excrement.

INDIVIDUAL HYGIENE AND MEDICAL CONDITION: - The proper functioning of the field bath and the prompt treatment of anyone infested with lice (always consisting of new arrivals at the camp) permits of obtaining sufficient individual hygiene control by means of periodical medical inspection parades. The state of health of the troops is good and no infectious diseases worth mentioning have ever been met with.

INFIRMARY:- The work of preparing the Infirmary has been completed and it could commence functioning at the beginning of next week with 20 beds;beds already in position, an isolation room, and independant toilet arrangements.

VACCINATIONS :- All the troops joined as recruits have had anti-smallpox vaccination and first typhus inoculation (1190) and some of them a second typhus.All the troops who have joined this week from other units and especially Vibo Valentia will have to be checked, however.I ordered that new reinforcements who arrive from other units shall be immediately checked in respect of vaccinations in order not to delay the necessary immunisation measures.

They still lack an proper vaccinations register using, for the time being, a ledger.

Declassified E.O. 12356 Section 3.3/NND No. 785020

= ANAGNÆ DETACHMENT=

MALARIA:- The director of the medical service, 2/Lieut.(M.C.) FORTI devotes himself faithfully and competently to the anti-malaria campaign. A fixed squad for minor disinfection is working well, a large quantity of straw has been put in any stagnant water, an appreciable quantity of mixed Paris green and road dust has already been prepared for copper-arsenication (prepared in a makeshift way but suitable), and arrangements are made to wall-up the numerous galleries formerly used to store shells and now flooded. Certainly the work to be carried out at Anagni is also difficult because of the presence of numerous collections of stagnant water inside the building and all around. However the proper running of the work of minor disinfection can be expected; the appropriate squad, though, must be supplied with useful tools.

WATER SUPPLIES:- The fresh running water supply comes from the Anagni aqueduct by means of two water trucks and a tank. Water from the Tofano river supplies the washhouses already working, with the refuse being placed in sewers. There is also a fountain inside the building with water considered fresh but not used for drinking. I have taken samples for chemical and bacteriological examination.

LATRINE:- Already installed toilets are not working. Some field latrines have been constructed which are sufficiently well looked after.

INDIVIDUAL HYGIENE AND STATE OF HEALTH:- Despite the lack of baths (as I have already stated the field bath at Bosco Faiti will be sent there within a few days) individual hygiene is well looked after and checked. No cases of lice and scabies have been met with. The state of health is good. No important infectious diseases.

VACCINATIONS:- All the 350 troops present have had anti-smallpox vaccination and first typhus inoculation, and, for the most part, also the second typhus inoculation. It appears, however, that negative results to the first vaccination have not been revaccinated. I have order the immediate putting into effect of this important immunisation measure. Here, also, vaccinations have only been entered in a simple ledger.

1743

C O N C L U S I O N S

BOSCO FAITI

MALARIA:- In view of the lateness of the season and the close proximity of the malaria epidemic period, it is, in the opinion of

Declassified E.O. 12356 Section 3.3/NND No. 785020

the writer,most urgent:-

- to form the military squads for minor disinfection,of fixed personnel selected from the most voluntary and to whomit would be agreed to assign a monetary reward.

- to order the immediate forming of a civilian squad from workers employed by the Military Engineers.

- to provide said squad with what it still requires in order to be able to carry out its work properly;especially scythes etc., for undergrowth cutting;wheelbarrow and rakes;sieves and sprays for copper-arsenication.In view of the vital necessity of having such tools,at least in part,I have issued a written declaration authorising the purchase of them in the open market. ← SURE.

- to insist on a speedy temporary loan of an excavator,which will be most useful for the filling in of the deep holes which exist. 2

- to provide,at least so far as is possible,for the mechanical protection of the doors and windows. ← SURE

If all of such measures are put into effect,if the medical prophylaxis to be commenced on the 1st.May is carried out with the necessary strictness,if the primary malaria cases of 1944 and the chronic malaria cases are wholly followed up in such a way as to catch recurrent attacks speedily,providing for a rapid hospitalisation,it can be hoped to attain good results and,perhaps, an example of an anti-malaria campaign,well-conducted and fruitful.

If,however,the above mentioned prophylaxis measures are not meticulously and strictly put into practice,there is no doubt that the otbreak of malaria will be serious or cause the preventative transfer of the Training Centre to another location.

WATER SUPPLIES:- With the commencement of the working of the fixed baths and washouses a strict discipline on all the water supplies will be necessary to prevent harmful waste.In case of a real water shortage it will be necessary to assign a water truck.

ABLUTIONS:- The running away of dirty water from the ablutions SURE must be provided for in such a way as not to permit of dispersion into the ground.

HYGIENE IN THE BILLETS:- The wooded area between the pavilions and around them,requires,over a wide area, a careful cleaning.

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VACCINATIONS:- Must be carried out properly and with a check of the rolls in ~~order~~ such a way as to be absolutely sure that the troops do not dodge the prescribed immunisation measures.

ANAGNI DETACHMENT

MALARIA:- The minor disinfection squad must also be urgently supplied with scythes or hedging bills, wheelbarrows and rakes.

WATER SUPPLIES:- To be strictly checked, and the troops campaigned to use only the fresh water for drinking and not that of the washouses.

VACCINATIONS:- To be properly carried out and checking the rolls of the units.

Sgd. MASSA
Lt.Col.

O.Danin Cpl.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation. WO 204

From. M of W. Ref n° 4/1256/I.S. WO 17/4 file

To. Circular letter (minim for Info) Date 14. 4. 45.

M/2A/1705

Start of the Malarial preventive treatment

M/2A/1477

Further to order issued with letter 4/923/I.S. Dated 21 march 45: we ~~precise that~~ make the following clear.—

1) The Allied Italian troops, wherever located in the 5th Army & 8th army or 1st district areas, will start to carry out Anti malarial preventive treatment as from the 1st of may. Mepacrine will be used.

2) For the troops located in the 2 and 3 districts areas the treatment will also start on the 1st of May but only in areas where considered advisable. As regards to this, the Medical Directorate of the Territorial Commands will contact the allied authorities of the area so as to draw up ~~carry out~~ a detailed plan of the areas in which the preventive treatment must be carried out.

3) For the Italian troops in SICILY and SARDINIA the treatment will start respectively on the 15 of april and 1st of may. As regards to the areas in which it will have to be carried out, The Islands' Medical directorate will immediately contact the allied authorities for instructions

Declassified E.O. 12356 Section 3.3/NND No. 785020

4) The preventive treatment rules for the troops working with the U.S. Army will be given by U.S army authorities which control said units.

5) Mepacrine or other equivalent preparation will be distributed at the rate of 1 pill a day per man (including officers) an issue book will be kept and control will be carried out by Unit medical officers.

Please acknowledge.

R McMansfield
Col

CHLOROLN

Declassified E.O. 12356 Section 3.3/NND No. 785020

'F' BLU IRTC ICF
Ref AQ/11/336

16 Apr 45

RAAC

Copy to :- LAND FORCES SUB COMM AC (MMA)

SUBJECT :- Anti Malarial Equipment

Ref RAAC letter MED/Br/409 of 4 Apr 45.

1. Anti Malarial ~~Equipment~~ Personnel is being organised at IRTC ICF on a scale agreed with MMA. It is requested that authorisation be given for the issue of Malarial Control Equipment as detailed in Appendix 'A'.

2. It is requested that this matter be treated as urgent as it is desired to commence Anti Malarial Operations not later than 1 May 45.

Lieut-Col RA

AMMG/cll

Internal
MO
File
Float

1738

Appendix 'A' to
'F'HLU IREC ICF letter
AQ/11/336 Dated
16 Apr 45

FIELD EQUIPMENT OF A MALARIAL CONTROL UNIT

Item	Quantity	
Sprayers, Knapsack (Four Oaks, Ross Pattern)	9	4
" " (" " Kent ")	6	3
Distributers, Paris Green (Dust guns)	6	3
Mixers, Paris Green rotary complete	6	3
Sieves, double, 20 & 30 mesh per inch	40	20
Haversacks, GS	40	20
Braces, WE	40	20
Sprayers, hand, large (Manney)	100	50
" " small (flit guns)	1	1 (Replaces 6
Plants, spraying, insecticide, engine-driven, (additional may be supplied on recommendation of AMIQ)		(Sets of
Boots, gum, long, pairs	20	10 (Equipment
Axes, felling and handles	6	3 (per MCU
Axes, hammer-headed	6	3 (
Axes, pick-heads	40	20
Axes, pick-helves	40	20
Shovels, GS	30	15
Spades	30	15
Crowbars	6	3
Knives, long, hedging	20	10
Sickles, or hooks reaping	20	10
Rakes, garden	40	20
Saws, hand, large	2	1
Stones, scythe, rub	2	1
Hatchets, 12 in	6	3
Gloves, hedging, pairs	40	20
Ladels, white enamelled	6	3
Brooms, bass	36	18
Collectors, outfit (complete)	1	1
Capes, anti-gas	12	6
Eyeshields, anti-gas	24	12
Wheel-barrow	1	1

Declassified E.O. 12356 Section 3.3/NND No. 785020

Axes, felling and handles	6	3 (per 100)
Axes, hammer-headed	6	3
Axes, pick-heads	40	20
Axes, pick-helves	40	20
Shovels, GS	30	15
Spades	30	15
Crowbars	6	3
Knives, long, hedging	20	10
Sickles, or hooks reaping	20	10
Rakes, garden	40	20
Saws, hand, large	2	1
Stones, scythe, rub	2	1
Hatchets, 12 in	6	3
Gloves, hedging, pairs	40	20
Ladels, white enamelled	6	3
Brooms, bass	36	18
Collectors, outfit (complete)	1	1
Capes, anti-gas	12	6
Eyeshields, anti-gas	24	12
Wheel-barrow	1	1

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject:- Malaria Survey of Italian Camp at POSTE FIATO (Frontiere).

Ref. MFL/SVY/601.
Date. 14 Apr. '45.

To:- Lawson D.H.S.,A.F.H.Q.

From - O.C.,10 Malaria Field Laboratory.

See also M/2A/1666

1. The attached report of a malaria survey at s/m camp by Capt. J.M.WILSON, R.A.M.C. of this unit is forwarded. This office letter MFL/SVY/601 dated 30 Mar.'45 refers.

M/2A/1167
W.O.H. 16/4/1736

copy to/ D.D.M.S.,2 Dist.
A.D.M.S.,R.A.M.C.
A.D.M.S.,Land Forces Sub-Commission A.C.(M.M.I.A.)
Adviser in Malaria, A.F.H.Q.

J.C. Mackellar Major
O.C.,10 Malaria Field Laboratory,C.M.F.

Subject:- Survey of Malaria ... at [redacted] Crendrive.

Ref. No. Wi/601.
Date. 1. Apr. '45.

H.Q., 15 Malaria Field Laboratory.

From:- Capt. J.M.[redacted], R.A.M.C.

Map References : 1:100,000 Italy Sheet 159
Date of Survey : 3rd - 6th April '45.

SECRET

This camp, situated at [redacted] (B.R.4933), is a primary training centre for recruits; the present strength is 2,000, but the numbers vary from 1500 to 4000 men, and the personnel change constantly. Adjacent to the military site is a refugee camp (U.N.R.R.A.) for civilians from Naples.

TOPOGRAPHY. The camp is surrounded on the east side by woodland, and to the north by a wooded hill. On the other two sides lie flat cultivated fields with scattered farms approaching to the camp boundary. The river with several small tributaries, circles the area : it has a stony bed and is kindly to pool. Other potential breeding grounds are bomb craters in and around the camp area, and numerous irrigation ditches. There is a marked decrease in the normal animal population, indicated by many empty stables. Several farmers complained that their beasts had been taken by the Germans, and ploughing oxen are in short supply. Some of the villagers visit the Pontine Marsh area in summer for work, trade, and animal fodder : they often return with malaria.

ANOPHELINE INFESTATION. The civilian doctor at the Prodrumo barracks said there was no malaria in the town itself, but plenty in the surrounding country, including [redacted] Flats.

The Italian M.O. at [redacted] has found evidence of malaria (enlarged spleens) both in the local inhabitants and refugees. He was informed by the "Doctor Provinciale" that the locality is highly malarious. Doctor Servofale, in charge of the Stazione Antimalarica at Sezze, stated that in 1944 90% of the 200 inhabitants of [redacted] had had malaria : he made a splenic examination of both children and adults.

The residents agree that there is malaria in the district, and most of the families visited had had one or more members sick with it in recent years.

Spleen Rate.

	Locality	Number examined	Age Group	Spleen						
						1	2	3	4	%
Civilian	[redacted]	33	1 - 12	27	2	2	2	-	-	18
Military	Camp at [redacted]	100	18 - 31	73	8	7	7	-	-	22

ENTOMOLOGICAL INVESTIGATION. Throughout an area within 2 kms. of the camp, scattered Anopheles maculipennis females were found. 1-3 per stable : they were [redacted] 1735 [redacted] about to the camp.
No larvae were found.
In the laboratory the following egg batches were laid :-

A. maculipennis typicus : 9

The vector species has not therefore been identified, and a further collection of adults later in the season is desirable.

Declassified E.O. 12356 Section 3.3/NND No. 785020

the "Sector Provinciale" that the locality is highly malarious. Doctor Garofalo, in charge of the Stazione Antimalarica at Bocaro, stated that in 1944 80% of the 300 inhabitants of [redacted] had had malaria ; he made a splenic examination of both children and adults.

The residents agree that there is malaria in the district, and most of the families visited had had one or more members sick with it in recent years.

Spleen Rate.

	Locality	Number examined	Age Groups	Spleen 1	2	3	4	%
Civilian	Bocca Fiata	33	1 - 12	7	2	2	-	18
Military	Camp at B.F.	100	18 - 31	78	8	7	7	22

ENTOMOLOGICAL INVESTIGATION. Throughout an area within 2 kms. of the camp, nestfreed Anopheles sacullipennis females were found. 1-3 per stable ; they were not found across close to the camp.
No larvae were found.
In the laboratory the following egg batches were laid :-

A. sacullipennis typicus : 9

The vector species has not therefore been identified, and a further collection of adults later in the season is desirable.

ASPECTS OF THE MALARIA SITUATION.

1. On the evidence of local history, and spleen rate of 18%, the area is malarious : for two reasons it is considered potentially highly malarious,

(a) The additional reservoir of infected troops and refugees;
(b) The diminished animal population.

2. The control of anopheles in this area will require a well coordinated scheme of anti larval as anti adult measures : the work itself should not be difficult.

3. Owing to limited accomodation, constant fluctuation in numbers, and the inexperience of recruits, enforcement of a high degree of personal protection is likely to present difficulties.

Sheet 2 / control work.

1735

West
File
Further action see M/24/1666.

Declassified E.O. 12356 Section 3.3/NND No. 785020

(b) Hygiene.

General. Some local civilian anti-larval work is carried out under the directions of Dr. Serafale of Cocoanu. The Italian Anti Malaria squad, not yet in existence, will consist of 25 civilian labourers : it is not intended to use military personnel owing to their constant changes. This squad will be untrained.

B. Adult Destruction.

1. Inside the Camp. The camp buildings consist of concrete barracks, which owing to their size, are not suitable for treatment with A/M spray. It is desirable to spray these buildings with D.D.T. every two months, but the following points are noted :

(i) Most of the buildings have high ceilings (15ft) and in two of these it is unlikely that the ceiling can be sprayed.

(ii) Three unoccupied buildings should not be overlooked.

(iii) About twenty smaller barracks which have been dynamited are not likely to shelter mosquitoes.

(iv) Spraying should include the refugee camp buildings adjacent to the military camp.

In all, about 12 buildings can be sprayed, and a surface area of 248,000 square feet can be covered.

2. Outside the Camp Perimeter. Twice weekly adult spraying, with Anti-mosquito spray, will need to cover about 30 scattered farms and stables in a one kilometre radius around the camp.

C. Larval Destruction. Larval control should be carried out over an area of radius two kilos around the camp. Five miles of river and two miles of streams flow through this area. Little more than simple clearance is required to make control by hand most Paris Green effective. Twenty hand craters and pools can be oiled : a few on the hillside can be drained. Hand cast Paris Green should be carried out on the network of irrigation channels in the flat country by the river.

Equipment. In order to carry out the above combat work, the following supplies and equipment are suggested :-

D.D.T.	30 lbs.	✓
Kerosene	120 gallons	✓ every two months.
Malarial	40 gallons	✓
Paris Green	30 lbs.	✓
Diesol (A/M spray)	40 gallons	✓ every month.

For use with Malarial and/or D.D.T. spray:-

Four Cuba Hunt Pressure Sprayer	1

For use with A/M spray:-

Knapsack Hand Sprayers	6
Pyrate Hand Sprayers (large)	6

For the preparation of Paris Green:-

Mealmaster	✓ 1
Double Stove	✓ 1

For equipping one labour squad of 25 men:-

Axe, felling	✓ 1
Axes, brazer-headed	✓ 5
Hooks, bill	5

1734

Declassified E.O. 12356 Section 3.3/NND No. 785020

of irrigation channels in the flat country by the rivers.

Equipment. In order to carry out the above control work, the following supplies and equipment are suggested :-

D.D.T.	50 lbs.	✓
Pyrenone	125 gallons	✓ every two months.
Malariol	40 gallons	✓
Paris Green	50 lbs.	✓
Fluxol (A/M spray)	20 Gallons	✓ every month.

For use with Malariol and/or D.D.T. spray:-

Four Oaks Hand Pressure Sprayer	1

For use with A/M spray:-

Bunny Hand Sprayers	6
Hyato Hand Sprayers (large)	6

For the preparation of Paris Green:-

Mortar	✓ 1
Double Stove	✓ 1

For equipping one labour squad of 25 men:-

Axe, felling	✓ 1
Axes, hammer-headed	✓ 2
Hooks, bill	✓ 5
Knives, long, hedging	✓ 2
Axes, pick	✓ 10
Shovels, D.D.	✓ 10

Recommendations.

1. Larval and adult control should be carried out within the limits, and in the manner suggested in the body of the report.
2. At least the key personnel of the Italian unit malaria squad should be trained in D.D.T. spraying and in Paris Green dispersal by hand dusting.
3. Liaison between the Italian medical officer and Dr. Garofolo (Stazione Antimalariche, Cesenna) should be maintained for the coordination of the civilian and military malaria campaigns.

J.M. Wilson.

10 Apr 45

(J.M. Wilson), Capt. R.A.M.C.,
Graded Malariologist,
10 Malaria Field Laboratory.

1734

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

ITALY.

Examination of 60 Italian recruits : 10 April '45.

No.examined	+ve History of Malaria Number	%	Spleens 1	2	3	4	5	Parasites in Blood. +ve slides	%
60	33	55	7	6	5	-	-	30	2	3.3

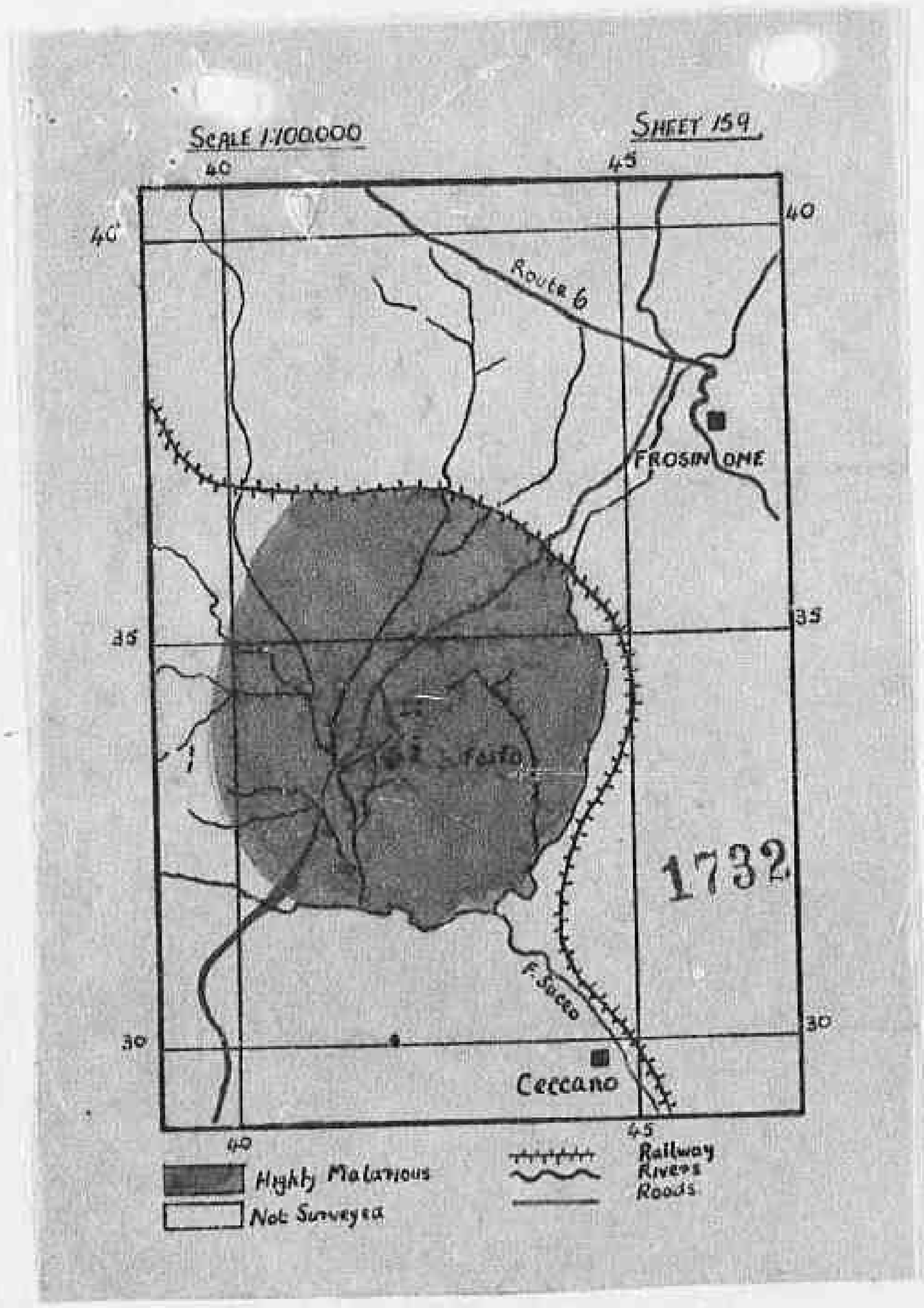
When shown in a separate group, most of the malaria is seen to occur in recruits from Sardinia :-

Recruits	No.examined	+ve History of Malaria Number	%	Spleens 1	2	3	4	5	Parasites in Blood +ve slides	%
Sardinia	32	22	69	6	5	2	-	-	41	1	3.1
Remainder	28	11	39	1	1	3	-	-	18	1	3.6

* In both positive slides, both asexual and sexual forms of P.vivax were present.

2201

Declassified E.O. 12356 Section 3.3/NND No. 785020



Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Chemical Prophylaxis - Malaria

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/2A/1694 16 April 45

Ministry of War,
Direzione Generale di Sanita Militare

Reference your 4/1205/I.S. of 10 April 45.

It is regretted that no action can be taken by this office.

In safeguarding the health of the fighting troops all units under command 8th Army will conform to instructions as issued by that Headquarters.

W.C.H.

Lieut.-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/REG

1731

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

FROM: War Ministry

TO: M.M.I.A.

M/2a/1643

REF: 4/1205/IS!

DATE: 10th.April 1945.

SUBJECT: Anti-malarial campaign- chemical prophylaxis.

The writer has taken note of what the Allies have ordered in respect of anti-malarial chemical prophylaxis.

It is considered necessary to point out the following:-

1) - It has been notified that chemical prophylaxis must be practised by all Italian troops in the area of the 5th. and 8th.Armies. It is notedthat the above mentioned area,even though partly infested with anopheles mosquitoes,has,however, always been predominantly non-malarious,including many localities (Florence for example) among the most healthy in Italy.

2) - The date of commencement of anti-malarial prophylaxis has been fixed by the Allies as the 7th.April.This date appears to be premature insofar as cases of primary malaria have not been met with (except in very rare occasions) before the first fortnight of May.This fact is well known because of long experience;we enclose,however,two letters on the matter,written by Professor RAFFAELE on behalf of Professor BASTIANELLI, Director of the Superior Malariology Institute, of the Rome R.University and Professor MISSIROLI,Chief of the Malariology Section of the Superior Medical Institute.

3) - It is obvious that these measures referred to in paragraphs 1 and 2,because of their extension to all Italian troops and premature commencement,will impose on the Italian Military Administration an appreciable supplementary financial burden.

4) - The writer has always greatly appreciated the interest of the Allied Authorities in the anti-malaria campaign for the Italian troops,in addition to the generous supply of the means for carrying out the campaign.It is considered,however,that it would be advisable,on their part,to bear in mind,in the adoption of the measures in question,the experience which has been gained in this field in our country.

17.

Sgd. CALDAROLA

Gen.

O.Danin Col.

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

FROM: Ministry of the Interior REF:

TO: War Ministry DATE:

Sir,

Further to our telephonic conversation.

In the inter.epidemic season,from the beginning of November to half-way through May,any prophylactic treatment in respect of malaria is superfluous,since there is no danger of malaria.being contracted.

Treatment with gametocidal products is equally useless because their action only lasts for about a week after which the gametocytes reappear.

Medical prophylaxis can be commenced in the middle of May for Central Italy and Southern Italy and the beginning of June for Northern Italy.

The best method is the twice weekly one ie.30cg.of Atabrine twice a week with a period of three days between each dose,for example,Monday and Thursday,Tuesday and Friday,or Wednesday and Saturday.

In this way the same person can immunisem a number of persons three times greater.

The prophylactic results are greater,or at least not smaller, than those obtained by the daily method.

With very best wishes,

Sgd. MISSIROLI 1729

Prof.

O.Danin Cpl.

Declassified E.O. 12356 Section 3.3/NND No. 785020

TRANSLATION

FROM: Malariology Institute REF:

TO: War Ministry DATE: 19 March 1945

Further to the conversation that ~~I~~ had with youm on the 14th. ~~last~~ wst., on the ~~xxxxxxxx~~ anti-malarial measures to be adopted this year for the Armed Forces, the Director, Prof. BASTIANELLI, has instructed me to inform you that, in order to avoid the excessive consumption of medicines, he agrees with you in considering it more advisable to refrain from carrying out personal immunisation. He recommends that all malarious cases showing ~~xxxxxxxxx~~ clinical symptoms or parasites of the infection be conveniently treated. For the same reason of economy in medicines it is considered that the commencement of medical prophylaxis can, without prejudice, ~~xx~~ take place on the 15th. rather than the 1st. of May.

Sgd. RAFFAELE

Prof.

O. Danin Cpl.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Local Message

16 1610 B

46

From: ROMA

To: AFHQ

Info: DISTAD RAAC 20TH SUB AREA

M 1680

RESTRICTED

PER MEDICAL (.) UNDER ARRANGEMENTS MADE WITH ITALIAN HOSP CAMP AT PONTECORVO WILL RECEIVE DAY UNDER SUPERVISION 12 MCU (.) RQUIRE 50 POUNDS DDT AND 125 GALLS KEROSENE BE RELEASED TO 20TH SUB AREA FOR COLLECTION 12 MCU ON ARRIVAL

IMPORTANT

Precedence .....

Authenticated W.G. Hagger Lt-Col.

Lieutenant -

Secretary (Wac - Smith

Ltr 1727

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCES HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

45

Ref.:- M.623.

Subject:- Malaria.

To :- Deputy Director of Medical Services,
No. 2 District,
C.M.F.

M/24/1666

With reference to O.O., 10 Malaria Field Laboratory memorandum MFL/3VI/604 dated 7 April 45, it is requested

(a) that you arrange for D.D.T. spraying to be carried out by British Malaria Control Unit personnel

(b) that arrangements are made for the training of the Italian control unit personnel by the nearest Field Sanitary Section or Malaria Control Unit

(c) That the items of equipment under para 6 be provided from British sources.

T. Young, Colonel, D.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

12 Apr. 45.
AHP/BM.

Copy to:- ~~Deputy~~ Assistant Director of Medical Services, Land Forces Sub-Commission AO. (IVTA), C.M.F.
(This Directorate memorandum M.623A dated 30 Mar 45 and your M/24/1492 dated 5 Apr 45 refer. Attached is a copy of O.O., 10 Malaria Field Laboratory memorandum under reference).

Officer Commanding,
No. 10 Malaria Field Laboratory, C.M.F.

1726 Field 10/4 Field

Declassified E.O. 12356 Section 3.3/NND No. 785020

COPY.

Subject:- Malaria.

Ref. MFL/SVY/601.
Date: 7 Apr. 45.

To: Surgeon D.M.S., A.F.H.Q., C.M.F.

From: O.C., 10 Malaria Field Laboratory, C.M.F.

Reference D.M.S., A.F.H.Q. Letter M 6234 dated 30 Mar 45.

1. It is confirmed that the site of the Italian Reinforcement Camp near Frosinone is potentially highly malarious.

2. Malaria control work required will include clearing and minor rectification with use of larvicides of approximately seven miles of river and stream, together with a limited number of bomb craters and irrigation channels. Spray killing of adults will include 12 stone-built barrack buildings and 50 farms.

3. By reason of their construction there would be practical difficulties attending the use of "Anti-Mosquito Spray" in the case of the barrack buildings. D.D.T. spray would therefore be the method of choice. The total surface coverage would be approximately 228,000 sq. feet. It is suggested that D.D.T. spraying be carried out by trained M.C.U. personnel at intervals of two months and not by the untrained Italian control unit.

4. The remainder of the control work, including the "Flysol" spraying of about 50 farms (approximate cubage 250,000 cu.feet) could be carried out by the Italian control unit.

5. It is desirable that at least the key personnel of the Italian control unit should receive training.

6. The quantities of anti-malaria chemicals required and of equipment required are estimated as follows:-

Chemicals.

D.D.T. 50 lbs.	}	every two months.
Kerosene 125 gallons		
Malariol 40 gallons	}	every month.
Paris Green 50 lbs.		

Equipment.

Four Oaks Kent pressure sprayers (and spares)	1
Hand Sprayers, Manney	6
" " large Mysto	6
Sieves, double	1
Wheelbarrows	1
Axes, felling	1
Axes, hammer-headed	5
Hooks, bill	5
Knives, long, hedging	2
Axes, pick	10
Shovels, G.S.	10

1725

7. A full report on a reconnaissance of the camp, including parasite rates among the Italian military personnel is in the course of preparation and will be forwarded on completion.

(signed) J.C. MacKillop, Major,
O.C., No.10 Malaria Field Laboratory.

Copy to: D.D.M.S., 2 District, C.M.F.
A.D.M.S., R.A.A.C., C.M.F.
Adviser in Malariology, A.F.H.Q.

Declassified E.O. 12356 Section 3.3/NND No. 785020

R-E-S-T-R-I-C-T-E-D.

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

SUBJECT : DDT Spraying - FROSINONE

Reference : Med(Br)401

O.C., 33 Malaria Control Unit

Copy to : ADMS, Land Forces Sub-Commission AC (MMIA).

1. A supply of DDT has been released by AFHQ for the purpose of spraying the Italian-occupied barracks at FROSINONE.

2. It is anticipated that most of this work will be done by the Italian MCU at present being trained by the Rockefeller Team, but a certain amount of initial assistance from your unit will be required.

3. Please contact ADMS, MMIA (Lt.Col HEGGIE) in order to discuss this project with him.

50 Kls. D.D.T.
125 galls K.

For the SURGEON:

W.DAVIDSON,
Major RAMC.,
D.A.D.H. 1724

14/4. Feb

14 Apr 45
WD/jrb.

M/DA/1656

OUTGOING SIGNAL

FROM : MMIA

TO : FREEDOM
FIFTH ARMY BR INCREMENT
REAR EIGHTH ARMY
DISTONE
DISTWO
DISTHREE
54 AREA
802 BRD ORVIETO
PENSOUTH

DATE 13 Nov TIME B

43

REF : Q/OS/162

RESTRICTED

nba/1433

REFER MMIA LETTER Q/OS/11/1 DATED 30 MAR (*) FREEDOM SIGNAL F 59143 OF 12 APR DIRECTS THAT ORD(BR) WILL DELIVER BUSHNETS DIRECT TO ADM DIVS AND ORVIETO AS PARA 2 OF Q/OS/11/1 AND THAT BUSHNETS WILL NOT BE MADE AVAILABLE AT NAPLES (*) ADDRESSES PLEASE PASS MMIA LO (*) FOR FREEDOM Q/AE (*) REQUEST BALANCE THIRTEEN THOUSAND METS NOT YET ALLOTTED IN PARA TWO MY LETTER BE MADE AVAILABLE IN NAPLES (*) ALL INFORMED

PRECEDENCE: IMPORTANT

Wad 14/4 File

Declassified E.O. 12356 Section 3.3/NND No. 785020

SIGNAL F 59143 OF 12 APR DIRECTS THAT ORD(BR) WILL DELIVER BUSHNETS DIRECT TO ADM DIVS AND OHVIETO AS PARA 2 OF Q/OS/11/1 AND THAT BUSHNETS WILL NOT BE MADE AVAILABLE AT NAPLES (*) ADDRESSES PLEASE PASS MMIA LO (*) FOR FREEDOM Q/AE (*) REQUEST BALANCE THIRTEEN THOUSAND NETS NOT YET ALLOTTED IN PARA TWO MY LETTER BE MADE AVAILABLE IN NAPLES (*) ALL INFORMED

Wood 14/4 file

PRECEDENCE: IMPORTANT

AUTHENTICATED: [signature] Major

1723

tvs.

copy to: A
MED.

M/20/1648

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

A 2/1

URGENT.

SUBJECT: Anti-Malaria Squads.

Medical

Spt. Dandsm

W.E. formation etc. { 1 Mil Gp 1 Mil Gors.

To: H.Q.
Land Forces Sub Comm. AC (MMIA).

7/4 'F' BLU. IRTC. ICF.
c/o Land Forces Sub Comm.
A.C. (MMIA) ROME.

Ref: AQ/11/249

7th April 45.

Personnel & Comb.

M/20/1644 & Labour

1. Malaria survey of Cesano and Lake Bracciano area by the R.A.A.C. shows that, contrary to previous reports, all the R.T.C., I.C.F. area must now be regarded as malarious.

2. It is therefore requested that an Anti-Malaria Control Platoon be formed for each Regiment.

Supply of equipment

3. This will mean that three Anti-Malaria Control Platoons should be formed :-

CESANO - one under command No.1 Regiment.
" - " " " No.2 Regiment.
BRACCIANO - one for No.3 Regiment.

Regret Authority to be sought.

4. The Cesano Platoons will cover the whole of the Cesano area, which comprises H.Q., R.T.C., I.C.F., Driving & Maintenance School, E. & M. School, and Mixed Battalion, besides the two Infantry Regiments, making a total of some 8,000, all ranks.

5. The Bracciano Platoon will also cover MANZIANA. Total number of troops in the area is 4,500.

6. It is recommended that these Anti-Malarial Control Platoons be formed on the same lines as the Hygiene and Anti-Malaria Control Platoon of the Medical Section for an Italian Combat Group, (W.E. NA/535/1). Strength of each Platoon - 2 Officers and 22 O.Rs.

7. May this matter please be treated as extremely urgent as the malaria season is imminent.

1722

for Lieut-Col. R.A.

AMGG/ah.
Internal.
File.
Fleet.

Will 11/4 not to be organised. File Wash. 24/4.

Subject: Lucia

42

Land Forces Sub Comm.
A.C. (MMA)
ROME
W/24/1657
13 April 45

Ministry of War,
Direzione Generale di Sanita Militare

1. Attached at Appendix 'A' is a copy of a report on the malarial situation at Fraginone Reinforcement Camp received from O.C. 10 (BR) Malaria Field Laboratory.

2. AFHQ have informed this office that the necessary amounts of DDT and Kerosene will be released to a British Malarial Control Unit to carry out the necessary DDT spraying.

3. Please arrange to forward to Fraginone Camp immediately 40 gallons Malarial and 50 lbs Paris Green and thereafter similar amounts every month until the end of the malarial season.

4. If not already at the camp, the items from "sieves, double" to "shovels G.S." inclusive will be sent from available Italian resources.

5. The question of making available a certain number of sprayers is under consideration by AFHQ.

6. As soon as the 3 officers and 3 N.C.Os. at present attached to the Rockefeller Team in Lido di Roma have completed their courses of instruction in DDT spraying, one officer and one N.C.O. will be posted for the duration of the malaria season to Fraginone Camp to assist the British N.C.O. and ultimately assume full responsibility for the work there.

7. The necessary amounts of anti-mosquito spray and anti-mosquito cream (or liquid) will be sent immediately in accordance with scales already laid down. Flit guns, if available, will be sent on a scale of 10% of the strength of the Camp. Please inform this office of your deficiencies in this item.

Declassified E.O. 12356 Section 3.3/NND No. 785020

amounts every month until the end of the malarial season.

4. If not already at the camp, the items from "sieves, double" to "shovels G.S." inclusive will be sent from available Italian resources.

5. The question of making available a certain number of sprayers is under consideration by AFHQ.

6. As soon as the 3 officers and 3 N.C.Os. at present attached to the Rockfeller Team in Lido di Roma have completed their course of instruction in DDT spraying, one officer and one N.C.O. will be posted for the duration of the malaria season to Frosinone Camp to assist the British M.C.S. and ultimately assume full responsibility for the work there.

7. The necessary amounts of anti-mosquito spray and anti-mosquito cream (or liquid) will be sent immediately in accordance with scales already laid down. Flit guns, if available, will be sent on a scale of 10% of the strength of the Camp. Please inform this office of your deficiencies in this item.

8. No ruling has as yet been received from AFHQ on the subject of mosquito nets for [illegible] units. 1721

9. All ranks in the Camp will take mepacrine equivalent with effect from 1st May 1945 in accordance with instructions already published by you.

10. Labour squads as considered necessary will be detailed by the Camp Commandant to assist in the "clearing" and drainage works.

W.C.H.

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (AFHQ)

/MSC

Copy to: [illegible] AFHQ)
[illegible] H) 2 District
[illegible] H) R. & I.C.
G.C. 10 Malaria
Field Laboratory
} for information less Appendix 'A'

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

R-E-S-T-R-I-C-T-E-D

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

SUBJECT : Malaria

Reference : Med(Br)401

ADMS.,
Land Forces Sub-Commission (MMIA).

M/2A/1621

1. The attached copy of 10 Malaria Field Laboratory letter reference MFL/SVY/601 dated 7 Apr 45 is forwarded for information.

W.D. 12/4.

For the SURGEON:

W.DAVIDSON,
Major RAMC.,
D.A.D.H.

11 Apr 45
WD/jrb.

1720

C O P Y

Subject : Malaria

Ref: MFL/SVY/601
Date: 7 Apr 45

To Surgeon D.M.S., A.F.H.Q., C.M.F.

From OC., 10 Malaria Field Laboratory, C.M.F.

M/2a/14446

Reference D.M.S., A.F.H.Q. letter M 6234 dated 30 Mar 45.

1. It is confirmed that the site of the Italian Reinforcement Camp near Frosinone is potentially highly malarious.

2. Malaria Control work required will include clearing and minor rectification with use of larvicides of approximately seven miles of river and stream together with a limited number of bomb craters and irrigation channels. Spray killing of adults will include 12 stone built barrack buildings and 50 farms.

3. By reason of their construction there would be practical difficulties attending the use of "Anti-Mosquito Spray" in the case of the barrack buildings. DDT Spray would therefore be the method of choice. The total surface coverage would be approximately 228,000 sq. feet. It is suggested that DDT spraying be carried out by trained MCU personnel at intervals of two months and not by the untrained Italian Control Unit.

4. The remainder of the control work, including the "Flysol" spraying of about 50 farms (approximately cubage 250,000 cu. feet) could be carried out by the Italian Control Unit.

5. It is desirable that at least key personnel of the Italian Control Unit should receive training.

6. The quantities of anti-malaria chemicals required and of equipment required are estimated as follows :-

Chemicals : DDT 50 lbs) every two months
Kerosene 125 gallons)

Malariol 40 gallons) every month
Paris Green 50 lbs)

Equipment : Four Oaks Kent pressure sprayers (and spares) 1

Declassified E.O. 12356 Section 3.3/NND No. 785020

4. The remainder of the control work, including the Flysol spraying of about 50 farms (approximately cubage 250,000 cu. feet) could be carried out by the Italian Control Unit.

5. It is desirable that at least key personnel of the Italian Control Unit should receive training.

6. The quantities of anti-malaria chemicals required and of equipment required are estimated as follows :-

Chemicals :	DDT 50 lbs Kerosene 125 gallons	) every two months	
	Malariol 40 gallons Paris Green 50 lbs	) every month	
Equipment :	Four Oaks Kent pressure sprayers (and spares)		1
	Hand Sprayers, Manney		6
	" " Large Mysto		6
	Sieves, double		1
	Wheelbarrows		1
	Axes, felling		1
	Axes, hammer-headed		5
	Hooks, bill		5
	Knives, long, hedging		2
	Axes, pick		10
	Shovels, G.S.		10

1719

7. A full report on a reconnaissance of the camp, including parasite rates among the Italian military personnel is in the course of preparation and will be forwarded on completion.

sgd J C MCKILLOP Major
OC 10 Malaria Field Laboratory

Copy to : DDMS 2 District
ADMS RAAC
Adviser in Malariology, AFHQ.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

4100

M/2A/1620

WDH. 12/4 file

MINUTES OF CONFERENCE ON MALARIA CONTROL IN ROME AREA ALLIED COMMAND

PRESENT:

Col T.D. INCH	Surgeon, RAAC.
Lt.Col Benjamin L. CAMP	Deputy Surgeon, RAAC.
Lt.Col W.A. HEGGIE	Land Forces Sub-Commission (MMIA).
Lt.Col Massa FILIPPO	Direzione Sanità, Territorio di Roma.
Major J.C. MACKILLOP	10 Malaria Field Laboratory
Major D. BELL	DADH, 2 District
Major E.L. CARTER	DADH 201 Sub Area.
Capt Eric W. MOOD	133rd Malaria Control Det.
Capt John R. CORKERY Jnr	ATC 1419 AAF-BU.
Capt J.W. WRIGHT	UDF Adm HQ (Main).
Lieut C.S. CURTIS	25 Field Sanitary Section
Lieut A. FOX	76 AMCU.
Lieut G.H. GIFFORD	60 MCU.
Lieut R.D. JOHNSON	33 MCU.
2/Lieut W.F. WALLER	1st Repl. Depot
Doctor E.C. BENN	UNRRA.
Doctor Fred W. KNIPE	Allied Commission.
Doctor Floyd S. MARKHAM	Allied Commission.
Prof CRAMEROSSA	Ufficio di Igiene e Sanità
Prof MISSAROLI	Istituto Superiore di Sanità
Major W. DAVIDSON	DADH, RAAC.

Surgeon — Read the Minutes of the previous meeting.

These were agreed.

1. MALARIA MAP

Surgeon — Stated Malaria Map had gone forward for publication. It was hoped to have 3000 copies available. The letterpress to accompany the map was read and criticism was invited.

Doctor E.C. BENN	UNRRA.
Doctor Fred W. KNIPE	Allied Commission.
Doctor Floyd S. MARKHAM	Allied Commission.
Prof CRAMEROSSA	Ufficio di Igiene e Sanità
Prof MISSAROLI	Istituto Superiore di Sanità
Major W. DAVIDSON	DADH, RAAC.

Surgeon — Read the Minutes of the previous meeting.

These were agreed.

1. MALARIA MAP

Surgeon — Stated Malaria Map had gone forward for publication. It was hoped to have 3000 copies available. The letterpress to accompany the map was read and criticism was invited.

Discussion — Some discussion took place on the extent of the area over which unit squads should carry out adult killing. It was agreed that units should only be ordered to carry out adult killing in their own lines and that OsC MCUs should advise units on the spot if an extension of this area was feasible and desirable.

1618

2. ROCKEFELLER CONTROL SCHEME

Doctor Knipe — The areas round ACILIA and LIDO DI ROMA now finished with the exception of LIDO itself which would be finished in ten days time. So far 400 lbs of DDT have been used in LIDO. Work round FIUMICINO progressing well and ISOLA SACRA now completed. Work has not yet been started on MACCARESE Plain.

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3. CONTROL IN ITALIAN UNITS

Lt.Col Heggie	Stated FROSINONE had now been surveyed by 10 Malaria Field Laboratory and found potentially highly malarious. On the basis of this report he hoped to obtain release of some DDT.
Prof Missaroli	Stated DDT plus good larval control should eliminate malaria completely from FROSINONE region as this area had not been malarious until 1942.
Lt.Col Heggie	Has written to AFHQ asking authority for formation of an Italian MCU. (Until now the practice of the Italian Army has been to rely entirely on the civilian malaria control organisations). Not considered necessary
Doctor Knipe	Said he would be willing to train a DDT Spraying Team for the Italian Army. The details of their training will be fixed between Doctor Knipe and Lt.Col Heggie.

4. TRAINING.

Capt Mood	Two 2 Day Courses have now been completed and further courses will be held in conjunction with the Repl. Depot.
DADH	4 Courses completed. One further Regimental Squad Course and two 2 Day Officers Courses still to be held.
Capt Mood	Pointed out that the Film Library held several excellent training films of which more use might be made.

5. OTHER BUSINESS

Prof Missaroli	In answer to a query stated there was no malaria at AQUILA.
Prof Cramerossa	Produced 1944 figures for malaria in the various provinces of ROME. These figures will be shown in the Malaria Information Room.

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Prof Cramerossa — Produced 1944 figures for malaria in the various provinces of ROME. These figures will be shown in the Malaria Information Room.

6. NEXT MEETING

It was agreed to hold the next meeting at the Office of the Surgeon, Rome Area Allied Command on Sunday 22 Apr 45 at 1100 hours.

W.D.VIDSON,
Major R.A.M.C.,
D.A.D.H.

10 Apr 45
TDI/WD/jrb.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

MINUTES OF CONFERENCE ON
MALARIA CONTROL IN ROME AREA ALLIED COMMAND

8th April 1945

DISTRIBUTION:

Malariologist, PBS, APO 782 US Army.
" ATC, Ciampino Airport
" 1 Repl. Depot
" 133rd Malaria Control Unit
DDMS UDF Adm HQ (Main)
DDMS 2 District
ADMS 57 Area
ADMS Land Forces Sub-Commission, (MMLA).
DADH 201 Sub Area
SMO 2 Base Area, RAF.
10 Malaria Field Laboratory
25 Field Sanitary Section
33 MCU
60 MCU
76 AMCU.
Col Guerra, Direzione Sanità Militare, ROME.
Malariologist, UNRRA City
" Public Health Sub-Commission, AC.
Malaria Control Demonstration Unit, AC.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ)
" MTOUSA, APO 512 US Army) For
" AAF/MTO) Information
" AAFSC/MTO)
Commander 201 Sub Area)

RAMC Distribution

Commanding General

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76 AMCU.
Col Guerra, Direzione Sanità Militare, ROMA.
Malariologist, UNRRA City
" Public Health Sub-Commission, AC.
Malaria Control Demonstration Unit, AC.
Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ)
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" AAF/MTO) For
" AAFSC/MTO) Information
Commander 201 Sub Area)

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Malaria - Venezuelan Encephalitis

Land Forces Sub Comm.
A.C. (MMIA)
HQ NATOUSA
AFHQ/2/1613
12 April 45

Ministry of War,
Direzione Generale di Sanita Militare

1. All troops in 5th Army, 8th Army and 1 District will take mepacrine. In 2 District and 3 District, mepacrine will only be taken in certain defined areas. Local Italian Commanders should contact the respective Allied Commanders for a detailed definition of these areas.

2. Where it is necessary to take mepacrine it will in general, commence on 1st May 45. In Sicily it will commence on 15 April 45.

3. Units under American command will receive atabrin. Date of commencement and areas concerned will be made known to Italian Commands.

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/mmg

Copy to: HQ AFHQ

1716

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Anti-Malarial Equipment

Land Forces Sub Comm.
A.C. (MMIA)
ROMER
M/2A/1605
12 April 45

Medical Officer
attn. 'J' B.M.U.

Herewith two copies of anti-malarial equipment of a British Malarial Control Unit.

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RMG

Declassified E.O. 12356 Section 3.3/NND No. 785020

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0 0

38

Subject:- Malaria.

H? 2 DISTRICT C.M.F.
Tel No.....Ext 66.
9602 M. 1.
9 Apr 45.

Land Forces Sub Commission (AC)
M.I.A.

M/29.

1448 5

Reference your signal M 148 dated 8 Apr 45.

1. Mepacrine prophylaxis will commence on 1 May 45.

2. Your request regarding the mapping of Mepacrine Areas has been noted.

1664. 10/4.

JEP.

for Brigadier
DDMS

1714

M/29/1663

Declassified E.O. 12356 Section 3.3/NND No. 785020

Land Forces Sub Comm.
A.C. (MMA)
ROME
12/24/1945

9 April 45

DUKE ARMY (10)
CG MEDITERRANEAN for Bourgoon (10)
Fifth 15 Army Group (20)

1. Enclosed are translations of two letters written, one by Ministry of War to all Italian Commands, the other by the Medical Directorate, Ministry of War to all Italian Medical Directorates on the subject of malaria.

It is thought that the information may be useful to Allied medical services in dealing with malarial problems which may arise with Italian formations.

2. Further copies are available if required.

Lieut-Col.
A.D.J.S.
Land Forces Sub Comm. AC. (MMA)

/mss

Copy to: "A"

1713

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M.A/1477

translation

Appendix 'A'

MINISTRY OF WAR

General Medical Directorate

Ref: 4/552/L.S.
Div. 2a - Sect. 1a.

P.M. 3800, 22 Feb. 45.

To:- ALL TERRITORIAL MILITARY COMMANDS — P.M. 179
DELEGAZIONE 'T' OF S.M.R.E. — ROME
ALL COMBAT GROUPS AND DIVISIONS — ROME
and for information to:-
MINISTRY OF INTERIOR, PUBLIC HEALTH DIRECT. — ROME
MINISTRY OF NAVY, GENERAL MEDICAL DIRECTORATE — P.M. 3800
MINISTRY OF AIR, MEDICAL DIRECTORATE — P.M. 3800
STATO MAGGIORE GENERALE — PALERMO
STATO MAGGIORE R.E. - UFFICIO SERVIZI — CAGLIARI
HIGH COMMISSIONER FOR SICILY — ROME
HIGH COMMISSIONER FOR SARDINIA
LAND FORCES SUB COMM. A.C. (MMIA)

Subject:- Anti-Malaria Campaign - Hygienic - Preventive Discipline Small Scale Sanitation.

With the onset of the malarial period it is necessary for all units, and especially those in malarial areas to initiate as soon as possible, the preventive measures best adapted to oppose and fight the spreading of the disease.

The abandonment and destruction almost everywhere, of the large scale anti-malarial works, completed or being completed, the defacing of the soil owing to the war, which is frequent in the liberated areas of Italy, the lack of, or inefficient work to improve the ground by the "small local anti-malarial measures" the posting of large units and civilians from one place to another, the carelessness in the upkeep of the mechanical means of defence, have largely contributed to the re-forming of many numbers of malaria focal points (previously decreasing) and the increase of others, this being ascertained by the high percentage of cases of primary malaria in the last three years.

Consideration of such facts and experience gained during the last campaign, confirm the necessity of the decisive and direct intervention by all the Commands, intended to help and complete the work carried out by the medical units, not only for the safety of personal health, but for the physical efficiency of the troops, but, also to limit as much as possible, the creation of new malarial focal areas in our land.

So as to obtain the best results from the whole of the means employed in the anti-malarial campaign, it is necessary that a constant and a strict hygienic and preventive discipline will be enforced and thus the [illegible] participation by all

The abandonment and destruction almost everywhere, of the large scale anti-malarial works, completed or being completed, the defacing of the soil owing to the war, which is frequent in the liberated areas of Italy, the lack of, or inefficient work to improve the ground by the "small local anti-malarial measures" the posting of large units and civilians from one place to another, the carelessness in the upkeep of the mechanical means of defence, have largely contributed to the re-forming of many numbers of malaria focal points (previously decreasing) and the increase of others, this being ascertained by the high percentage of cases of primary malaria in the last three years.

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So as to obtain the best results from the whole of the means employed in the anti-malarial campaign, it is necessary that a constant and a strict hygienic and preventive discipline will be enforced and thus the co-operation and determined participation by all officers, so that the problem is not only faced in all its aspects, but also with tenacity and firmness and with the full understanding of the necessity to carry it out.

1.1.2

The utility of the training courses, taking place during the pre-epidemic period by some Territorial Medical Directorates for officers of the services, is well shown by the results obtained in the most heavily stricken areas. The officers who have attended have been active in spreading propaganda amongst the troops, of the necessity of the continuous observation and scrupulously actualisation to carry out the various preventive measures.

We therefore affirm that, the Directorates will hold short anti-malarial courses of a purely practical and demonstrative character, for officers and N.C.Os. of the services on the application of anti-malarial control measures.

The Medical Directorate General have started to collect the data needed for census of troops having malaria, either primary or recurrent, which have been shown as relapses during the last four years, with the intention to make them undergo during the month of April (pre-epidemic phase) their improved anti-malarial treatment. In order to carry this out the first particular instructions have been issued according to the availability of chemical means.

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Besides the above mentioned treatment and the successive preventive measures to be taken by troops in malarial areas as regard to which rules and regulations (will also be issued), we impress on everybody the necessity to carry out local unit measures of clearance of ground and rivers which constitute a fundamental means in the anti-malarial campaign and for which we require the maximum collaboration from all the Commands.

It is necessary:-

1. To ascertain by ground reconnaissance (by Hygiene Officer) in each of the localities where troops are billetted, the malarial areas and the grade of endemic malaria, making topo- malarial charts of malarious areas (a copy of which is to be sent to the Military Medical General Directorate), and the necessary contacts will be made with the local civilian authorities.

2. To formulate in relation to the above mentioned investigations on a concrete plan in which the following measures will be studied.

a) Ground amelioration and drainage.

b) Checking and re-organisation by all the available means, the prophylaxis (collective and individual).

c) Returns to this Ministry (Directorate General Medical Services) showing the requirements for the anti-malarial campaign (anti-larvae - anti-mosquitos - chemical prophylaxis therapy).

d) Instruction of unit squads to be employed on ground amelioration. These squads organically formed in each unit and well chosen will have to be put through a rapid and practical training period by the Regional Medical Directorate, who will employ for this purpose the qualified medical officer having a good knowledge of the malaria problem. The small scale ground amelioration, if carried our correctly, and accurately, in the pre-epidemic period will obtain good results. It is well to bear in mind that any collection of water, clear or not, static or running, when there is vegetation or other means of obstructing the current will provide a breeding ground for mosquitoes.

The small pools, the swamps, the brooks, the vegetation on the edges of the streams, and of the large or small vegetation canals, are all breeding places for the Anopheleno larvae. Lakes, rice-fields, drains, drinking troughs, water tanks, artificial and natural irrigational basins etc., can all be potent breeding areas.

The malaria squads will be trained therefore in the following work:-

a) Filling depression of grounds.

b) Drainage of static water.

c) Control, clearing and supervision of all collections of water within a radius of three Kilometres around buildings or camps.

d) Laying of Malariol and Paris Green and other anti-larvae material.

e) Use wherever possible of larvae-eating fishes, control and maintenance of mechanical means for malaria control [illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785020

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d) Laying of Malariol and Paris Green and other anti-larvae material.
e) Use wherever possible of larvae-eating fishes, control and maintenance of mechanical means for malaria control campaign.

I am certain that, for the approaching malaria campaign, the Medical Directorates will not lack moral and practical collaboration from all the Commands and only thus will it be possible to obtain a good preventive discipline with favourable results.

CASATI

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translation

MINISTRY OF WAR

General Medical Directorate

Ref: 4/523/L.S.

21 March 45.

To:- ALL TERRITORIAL MEDICAL DIRECTORATES
DELEGAZIONE 'T' OF S.M.R.E. MEDICAL DIRECT.
ALL COMBAT GROUPS AND DIVISIONS MEDICAL OFFICES
and for information to:-
CABINET - UFFICIO COORDINAMENTO
MINISTRY OF INTERIOR, DIRECTOR OF PUBLIC HEALTH
MINISTRY OF NAVY GENERAL MEDICAL DIRECTORATE
MINISTRY OF AIR MEDICAL DIRECTORATE
STATO MAGGIORE GENERALE
STATO MAGGIORE REGIO ESERCITO UFFICIO C.A.
STATO MAGGIORE REGIO ESERCITO MEDICAL OFFICE
TERRITORIAL COMMANDS
ALL COMBAT GROUPS AND DIVISIONS COMMANDS
HIGH COMMISSIONER FOR SARDINIA
HIGH COMMISSIONER FOR SICILY
LAND FORCES SUB COMM. AC. (M.M.)

PM. 3800

SEDE
ROME
ROME
ROME
PM 3800
PM 3800
PM 3800

CAGLIARI
PALERMO
ROME

Subject:- Anti-Malaria Campaign for 1945

By means of the printed circular No. 4/552/L.S. of February 22nd 1945, this Ministry, in view of the nearness of the malarial epidemic season, has called the attention of all Commands to the necessity of enacting promptly the most effective preventive measures - especially in the case of units stationed in areas of endemic malaria - in order to retard and fight the spread of the infection.

Assurances received so far from the various Regional Medical Directorates promise an early start of local soil drainage work and extermination of larvae and constitute proof of active co-operation between the Commands and Medical authorities for proper compliance with all necessary preventive measures.

During the pre-epidemic phase which may be regarded as ending on April 30th each Medical Directorate will not only provide technical training for the squads organised at each unit for soil drainage work and intensify all land reclamation activities, but will also prepare malarial maps of the respective areas and establish the necessary contacts with civilian medical authorities to ensure that the work of controlling malaria will be conducted with unity of purpose and in active collaboration with the authorities concerned.

In pursuance of the above mentioned circular we wish to point out that, similar to the instructions issued last year, soldier with a previous malarial history will not receive the pre-epidemic course of treatment [illegible]
present quinine at [illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785020

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In pursuance of the above mentioned circular we wish to point out that, similar to the instructions issued last year, soldier with a previous malarial history will not receive the pre-epidemic course of treatment during April, as present quinine stocks would preclude it; instead, every medical officer will give special attention to last year's primary cases of malaria and to chronic sufferers in order to be able to forestall any relapse in due time so as to assure, in every case, the most complete and scientific medical treatment.

Of great help in achieving this will be the census of malarial cases ordered by this Directorate and already performed almost everywhere. Bearing in mind that every case of malaria which is thoroughly cured is a centre of infection less, one should ensure that the treatment be always effective and thorough, and that it be always carefully followed up. Cases of malaria insufficiently treated are one of the principal causes of continuous recurrence and of the ever-increasing number of gametocyte carriers; experience has shown that the more timely the diagnosis and treatment, the smaller the chances of death. Regional Medical Directorates and medical offices of Divisions and Combat Groupswill issue definite instructions in this sense both to unit medical officers and to those at medical establishments and field medical units.

In order that the malarial problem may also this year find a really practical and realistic solution, it will be necessary to move the largest possible number of units from the more seriously infested malarial areas by the first half of May at the latest - contingent upon operational and other military requirements - and to transfer them to mountain areas or, at any rate, to areas less infested by malarial mosquitoes.

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1711

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With the aid of reports received concerning stocks on hand and requirements of various items used in the control of malaria, this Directorate will order the transfer of some supplies among the various Regional Medical Directorates so as to fill the requirements of units more directly exposed to malarial infection and make possible - in all endemic areas - a timely start of the anti-malarial campaign.

Units which must remain in malarial areas because of operational requirements will adopt the following measures:-

A. Extermination of Anopheles.

1. Extermination of larvae: constitutes the best practical means of fighting malaria and will be started at once and continued until October. It will include a radius of not less that 3 Kms around the billets. It will be carried out by special squads properly organised with every unit and supervised by medical officers. Such squads will perform the following reclamation work: filling of depressions in the ground so as to eliminate even the smallest sources of malaria; drainage of stagnant waters and channeling of same into running streams; management, decontamination and checking of all collections of water; periodical weeding and cleaning as well as emptying and cleaning every 8 - 10 days of all pools, watering troughs, etc; treating stagnant waters with petroleum products or spraying them with Paris Green. As for the former, there will be used Diesel oil or spent Diesel oil or lubricating oil thrown off by combustion engines, and it should be borne in mind that since these are high-density materials it will be necessary to dilute them with Kerosene or emulsify them with an adequate amount of water. The treatment with petroleum products will be administered after the surface of the water to be disinfested has been weeded - even if only summarily, and there will be used watering cans with thin, spraying roses and spray pumps used for spraying vines with copper sulphate. There may also be used small canvas bags filled with sawdust or wood shavings soaked in Diesel oil, which, when immersed in water, give it off slowly. 30 cubic cms. of Kerosene or Diesel Oil will suffice for each square metre of water surface to be cleared of larvae. All ed Authorities are furnishing material, a larvicidal liquid to be sprayed into ponds undiluted, by means of ordinary sprays. It is used at the rate of 1 litre for each 15 square metres of water surface and the operation is repeated each week. The attention of all soldiers will be called to its toxicity in order that it may not be confused with other drugs.

The spraying of Paris Green will be done only by well-trained personnel under the supervision of the medical officer. There will be used a thoroughly uniform mixture to be obtained by mixing for a considerable period of time in a closed container one part of green and 100 parts of road dust, well screened and dry. One Kilo of such mixture is sufficient to destroy the larvae on a water surface of 100 square metres. The spraying will be done with a duster or even by hand. If possible, the personnel in charge will wear decontaminators' overalls, will operate windward and will take care to wash their hands when the work is completed. Containers used for this purpose will be marked "poison". If diluted as above, the Paris Green may be used also on watering troughs. It will suffice to spray Paris Green every 15 days in April and [illegible] days during the [illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785020

spray pumps used for spraying vines with copper sulphate. There may also be used small canvas bags filled with sawdust or wood shavings soaked in Diesel oil, which, when immersed in water, give it off slowly. 30 cubic cms. of Kerosene or Diesel Oil will suffice for each square metre of water surface to be cleared of larvae. Allied authorities are furnishing Gabbriol, a larvicidal liquid to be sprayed into ponds undiluted, by means of ordinary sprays. It is used at the rate of 1 litre for each 15 square metres of water surface and the operation is repeated each week. The attention of all soldiers will be called to its toxicity in order that it may not be confused with other drugs.

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2. Protection against and control of Mosquitoes: consists of mechanical prevention (individual and collective) and in the destruction of mosquitoes. As for collective prevention it will be necessary to check all openings in camp buildings and to supply inevitable shortages of wire screen with the aid of available means, individual prevention will have to be limited to soldiers whose services are essential for night duty. In addition to using liquid insectisides and anti-mosquito liquid during the day, the destruction of mosquitoes may be brought about by fumigations, by burning slightly damp straw inside the billets.

B. Medicinal Prophylaxis.

You are notified for guidance purposes that the date on which medical prophylaxis is to start is May 1st; however definite instructions will be given in the matter. The same will be carried out as directed and with regularity, bearing in mind that enormous difficulties are encountered in obtaining supplies and that experience shows that failures are due to carelessness in carrying out instructions. There will be used acridinic preparations (mepacrine, Italchina, Chemiochina, atebrine etc.) at the rate of 1 tablet a day per man, to be issued with the first meal and each man will be checked off the roll as as not to leave

...../3

Declassified E.O. 12356 Section 3.3/NND No. 785020

B. Medicinal Prophylaxis (cont'd)

anyone out. Men leaving malarial areas when undergoing treatment will continue to receive the same treatment at their new station for another 4 weeks.

C. Diagnosis.

All medical officers must realise the necessity of taking blood samples in each case, for further examination at the nearest medical unit. Such examination must be made with the highest degree of timeliness, since a medical report showing an excessively high number of parasites may lead to the suspicion that a pernicious form is involved, especially in the case of individuals who never before suffered an attack of malaria. In the event that the haemoscopic examination even if repeated, should show a negative result and the clinical symptoms left no doubt about diagnosing the disease as malaria, the report (to be prepared in each case) should read "indefinite form, clinical examination positive, microscopic examination negative". A like annotation will be made on the individual record of malarial cases.

D. Report.

Must contain all informative data required for a retrospective study of the symptoms diagnosed and must be prepared by the medical unit where the patient is first hospitalised.

E. Treatment of Malarial Cases.

Both in the case of men who have not yet been immunized and those who are in the course of being immunized, the initial treatment will be administered as follows:-

- for three days, 2 grammes of quinine per day (in cases of pernicious malaria, the diagnosis of which must, in each case, be implemented by a haemoscopic examination, the dose may be increased up to a maximum of 3 grammes per day).
- for 5 days, 30 ctgs of italchina or chemiochina or mepacrine etc.,
- for 3 days no drugs will be administered;
- for 3 days, 2 ctgs of gamefar or plasmochina per day or, in the absence of such products, 6 ctgs of certuna.

As a rule, quinine will be administered by mouth; only in cases of definite and proven gastric intolerance will it be administered intramuscularly. In serious and suspicious forms of perniciousness there will always be administered an injection of 1 gramme of bihydrochloride of quinine before the patient is sent to the hospital, making certain that a blood sample is obtained before the injection.

Should quinine preparations be unavailable, a different procedure outlined hereunder, will be followed:-

- for 3 days, 50 ctgs per day of italchina, or chemiochina or atebrine etc.,
- for 2 days, 30 ctgs per day of the same products
- for 3 days no drugs will be administered
- for 3 days, 2 ctgs of gamefar or plasmochina

Declassified E.O. 12356 Section 3.3/NND No. 785020

both in the case of men who have not yet been immunized and those who are in the course of being immunized, the initial treatment will be administered as follows:-

- for three days, 2 grammes of quinine per day (in cases of pernicious malaria, the diagnosis of which must, in each case, be implemented by a haemoscopic examination, the dose may be increased up to a maximum of 3 grammes per day);
- for 5 days, 30 ctgs of italchina or chemiochina or mepacrine etc.,
- for 3 days no drugs will be administered;
- for 3 days, 2 ctgs of camefar or plasmochina per day or, in the absence of such products, 6 ctgs of certuna.

As a rule, quinine will be administered by mouth; only in cases of definite and proven gastric intolerance will it be administered intramuscularly. In serious and suspicious forms of perniciousness there will always be administered an injection of 1 gramme of bihydrochloride of quinine before the patient is sent to the hospital, making certain that a blood sample is obtained before the injection.

Should quinine preparations be unavailable, a different procedure outlined hereunder, will be followed:-

- for 3 days, 50 ctgs per day of italchina, or chemiochina or atebrine etc.,
- for 2 days, 30 ctgs per day of the same products
- for 3 days no drugs will be administered
- for 3 days, 2 ctgs of camefar or plasmochina or 6 ctgs of certuna.

At the end of each of these cycles of treatment, patients will be rested for 7 days and no drugs will be administered; thereafter, men who are returned to units in malarial areas will be subjected to immunisation during the remainder of the epidemic season, whereas those who at the end of the treatment do not return to malarial areas will be subjected to immunisation for one month.

Every relapse will be treated as an initial attack, and the complete cycle of treatment will be repeated.

Considerable difficulties will no doubt have to be faced under present circumstances in carrying on the fight against malaria. Heavy demands will be placed upon the initiative and zeal of all medical officers and Commanders, especially to ensure the success of local soil and reclamation work and to conduct intelligent and effective propaganda among troops.

We are confident that, as in the past, the medical services will have the benefit of the wholehearted co-operation of all Commanders and officers.

Please confirm that the above instructions will be carried out.

1710

for THE MINISTER

F. Calderola

Declassified E.O. 12356 Section 3.3/NND No. 785120

Declassified E.O. 12356 Section 3.3/NND No. 785020

Signal

From: AFHQ cite NAMED signed MTOUSA

To: A.C. for Land Forces (MMLA)

091023B

F 57233

Restricted

Subject is atebrin for US-ITT troops ref your signal M 1490 dated 5 April 1945 (.) Atebrin will be furnished for US-ITT troops (.) Areas where required are determined by Base Section, Army or Army Air Force in area concerned

WAR 9/4/45 File M/GA/155/1709

Declassified E.O. 12356 Section 3.3/NND No. 785020

LRKD V LAEE NR10
FROM AFHQ 091023B
TO ALLIED COMMISSION (MMIA) FOR LAND FORCES SUB COMMISSION
REF F 57233
GR 63 BT
RESTRICTED SUBJCT IS ATEBRIN FOR UNCLE SUGAR DASH ITEM TARE ITEM TROOPS
REURAD MIKE ONE FOUR NINE ZECO DATD FIVE APRIL ONE NINE FUXXX FOUR FIVE
PD CITE NAMED SIGNED CG MTOUSA PD ATEBRIN WILL BE FURNISHED FOC UNCLE
SUGAR DASH ITEM TARE ITEM TROOPS PD AEAS WHERE REQUIEDXXXX REQUIRED ARE
DETERMINED BY BASE SECTION CMA ARMY OR ACMY AIR FORCE IN AREA CONCECNED

SENT NR10 LB 091050B AR
RECD NR 10 AT 091050 B AAA AR

MMIA

1699

Declassified E.O. 12356 Section 3.3/NND No. 785020

Signal Message

From: IMTA

To: CG FIFTH ARMY FOR HR INGR DISTOFF DISTFO DISTBRCH

Info: FREEDOM

K 1488

RESTRICTED

FOR MEDICAL (.) FIRST (.) REQUEST INFORMATION ON DATE MEDACHLOR PROPHYLAXIS WILL COMMENCE IN YOUR AREA (.) SECOND (.) ALL HR-ETI COMBAT AND SERVICE TROOPS BEING PROVIDED WITH DRUG NOW (.) AFTER DESTRUCTION STILL AWAITED ON ETL-ETI UNITS (.) THIRD (.) MAY CORRESPONDING ITALIAN COMMANDS BE GIVEN A COPY OF MAP SHOWING MEDACHLOR AREAS

Precedence ALL IMPORTANT

Authenticated W. C. Hoggard Lt-Col

Internal

Ministry of War Section

'A'

'G'

1698

Declassified E.O. 12356 Section 3.3/NND No. 785020

N4/06

IMPORTANT

LRKB V LOGU NR3 "P"

FROM MED BRIT INCR 5 ARMY 052045B

TO MMIA

GR 39 BT:

REF NR 9216

RESTRICTED PD MED BRIT ONE ONE NINE SIX PD FOR MED PD
REFERENCE YOUR MIKE ONE FOUR EIGHT EIGHT OF ZERO FIVE PD
ONE PD ZERO ONE MAY PD THREE PD ALL ARMY AREA MEPACRINE AREA
BT:

CWM -CBD-

RD 06/0023 PH KKKKK

MPA/1503
1697

Declassified E.O. 12356 Section 3.3/NND No. 785020

ZCZC OF V MEZX NR Ø7ØØ QVR 1
FROM DISTONE Ø7Ø93ØB
TO MMIA
INFO MMIA LO DISTONE
GR 26 BT
[redacted].
MED 112 . RSTRICTED . FOR MED . YOUR M 1488 OF 5 . PERSONAL PRECAUTIONS AND MEPACRINE PROPHYLAXIS COMMENCE FIRST MAY . ALL DISTONE MEPACRINE AREA . REQUEST YOU INFORM ITALIAN COMMANDS CONCERNED
BT
SENT 1225 LNE D1 KK
RECD NRØ7ØØ32 AT 1225B DP AR KKKKK
AND MAKE QVRS 1

med
MPR 7/4

MMIA 0120
43907

1696
M/2a/15 2d

Declassified E.O. 12356 Section 3.3/NND No. 785020

FROM V KEDY NR 23585

FROM DISTHREE 071030B

TO MEDIA

CSX ET

6537 44/08

MED.992 RESTRICTED (.) REFERENCE YOUR M.1485 OF 5 MARCH 45 (.) MEPACRINE PROPHYLAXIS WILL COMMENCE 204 SUB AREA (SICILY) AND CALABRIA 15 APRIL (.) REST OF 3 DISTRICT 1 MAY (.) MEPACRINE AREAS TO BE DETAILED IN 3 DISTRICT ROUTINE ORDER

071030B

SENT NR 23585 1130 VF AR

K

RECD NR 23585 " SLY " 1135B/30 AR TWN

1695

~~SECRET~~

Position of Mongoring as at 7th April 1945

		Will last at least until
8th Army 5th Army (BAR. Gun)	2,000,000 + 1,000,000 2,000,000	1st June
Ancona	1,000,000	7th July
Florence	~~1,000,000~~ ~~3,000,000~~ & ~~drafts~~ 5th Army	15th June
Rome	1,208,000	1st June
Magliana Depot	1,000,000 & 1,000,000 to 5th Army.	
Sardinia	1,126,000	15th August
Sicily	3,500,000	1st August
Naples	3,900,000	1st August
Bari	5,000,000	15th August
Navy	1,500,000	? plenty
	24,000,000	
Dues in	15,000,000	

Declassified E.O. 12356 Section 3.3/NND No. 745020

Sardinia	1,126,000	15th August
Sicily	3,500,000	1st August
Naples	3,900,000	1st August
Bari	5,000,000	15th August
Navy	1,500,000	? plenty
	24,000,000	
Dues in	15,000,000	

In assessing the date which supplies will last it is assumed that all troops will take mepacrine. As it will only be given in mepacrine areas it will last longer but it is not possible to estimate a date at present.

1694

M/29/1505
(also M/4/1505)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Malaria Survey - Camps & Bivouac Areas

33

SECRET

Land Forces Sub Comm.
A.C. (MMIA)
RCMM
M/2A/1494
5 April 45

AMSS
R.A.A.C. (2)

Reference your Med(Pr) 409 of 4 April 45 and letter MFL/SVE/601 from O.C. 10 Malarial Field Laboratory.

1. Plans for camping sites for Italian combat troops in the Brescimo area are as follows:-

	Site	Accommodation	Map Ref.	Sheet (1/200,000)
(a)	CESANO	3000	F 63.86	17
(b)	BRACCIANO	3000	F 49.90	17
(c)	MANZIANO	1000	F 46.93	17
(d)	TREVIGNANO	1500	F 55.97	17
(e)	VITERBO	3000	A 44.25	15

Declassified E.O. 12356 Section 3.3/NND No. 785020

	Site	Accommodation	Map Ref.	Sheet (1/250,000)
(a)	CESANO	8000	F 63.86	17
(b)	BRACCIANO	3000	F 49.90	17
(c)	MANZIANO	1000	F 46.93	17
(d)	TORVISCIANO	1500	F 55.97	17
(e)	VITERBO	3000	A 44.25	15

Lieut.-Col.
A.A.M.S.
AC. (MMIA)

Land Forces Sub Comm.

1693

/KDG

Copy to: 1st B.L.U. HQ. MTO.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

RESTRICTED

M/2A/1491

SUBJECT : Malaria Survey of CESANO and Lake BRACCIANO Area.

Reference : Med(Br)409

DADMS Land Forces Sub-Commission (MMIA)
OC., British Liaison Unit, CESANO

1. The attached report of a Malaria Survey of the above area is forwarded for information and necessary action.

For the SURGEON:

W.DAVIDSON,
Major RAMC.,
D.A.D.H.

WD/jrb.
4 Apr 45

1692

Declassified E.O. 12356 Section 3.3/NND No. 785020

COPY

SUBJECT : Malaria Survey of CESANO and Lake BRACCIANO Area.

Ref : MFL/SVY/601
Date : 2 Apr 45

To ; Surgeon (ADMS) RAAC.

From : OC 10 Malaria Field Laboratory

1. The attached report of a Malaria Survey of above area by Lieut. D.S. KETTLE RAMC of this unit, is forwarded.

2. According to civilian medical authority in ROME, the area had been non-malarious up to the end of 1942. Since 1942 reliable statistics are not available.

3. The appearance of A. maculipennis varLabranchiae together with cases of malaria last year indicates a marked increase in malaria risk.

4. Environmental control of streams and ditches would not be difficult and would be well within the capabilities of one MCU. Nevertheless, the area must be considered to be Malarious.

5. If troops are to be billeted in the area, MCU control will be necessary. Either whole or part of an MCU should be allotted to the area depending on the number of troops likely to be at risk, and the amount of control work required, in any area selected.

6. If the area is to be used for camping it is requested that this Laboratory be informed so that detailed recommendations for environmental control can be made.

sgd J C MCKILLOP Major
OC 10 Malaria Field Laboratory

copies to DDMS 2 District
DMS AFHQ
Adviser in Malaria AFHQ.

1691

C O P Y

SUBJECT : Malaria Survey of CESANO and Lake BRACCIANO Area

TO : OC 10 Malaria Field Laboratory

FROM : Lieut D.S. KETTLE RAMC.

Map reference ITALY 1:100,000 Sheet L43 BRACCIANO

Acting on your instructions a malaria survey was carried out of the area between Lake BRACCIANO and Route 2.

GENEREAL:

The area largely consists of a flat plain with some small hills. It is cultivated but sparsely populated except at CESANO village, CESANO station and TREVIGNANO village. There are few animals in the area.

WATER SOURCES:

The area is traversed by a number of streams by a number of streams and ditches which in three localities form marshy areas which are ideal breeding places for A.maculipennis. These localities are :

(1) Near CESANO station, and the British Increment of the Italian Army (600.850)

(2) BACCANO (635.920)

(3) Lake BRACCIANO E. of TREVIGNANO (650.960)

ENTOMOLOGY:

Larvae of A.claviger were found in the three marshy areas detailed above. The spring breeding places of A.claviger frequently breed A.maculipennis later in the year. In previous reports larvae of A.maculipennis were recorded at Locality (1) and adults caught nearby were A.m.typicus and A.m.labranchiae. 18 pigsties and 10 stables were searched for adults and 54 female A.maculipennis and 10 females and 1 male A.claviger were found. The A.maculipennis adults were of two varieties A:m.typicus and A.m.labranchiae. The latter always causes malaria wherever it is found.

In August 1944 [illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785020

are ideal breeding places for A.maculipennis. These localities are :

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In August 1944 there were hundreds of A.maculipennis adults in the pigsties at BRACCANO.

MALARIA:

The local inhabitants stated that previously there had been no malaria in the area until,last year when it was prevalent. This is substantiated by the finding of A.m.labranchiae.

1679

The area must be considered as malarious. This enlarges the malarious area previously reported around Lake BRACCIANO.

CONCLUSIONS:

1. The area must be considered malarious because of the presence of A.m.labranchiae, many suitable breeding places and a scarcity of animals.
2. If troops are to be billeted in the area an MCU would be necessary, as there is too much work for a unit anti-malaria squad. One MCU could control the whole area or if only part of the area is to be occupied a detachment of MCU could control it.
3. If the British Increment of the Italian Army is to remain there strict personal precautions should be enforced and the channels at Locality (1) (600.850) be controlled with larvicide.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Entomological findings are detailed in Appendix "A" attached.

sgd D.S. KETTLE Lieut RAMC
Entomologist
10 Malaria Field Laboratory.

APPENDIX "A" ENTOMOLOGICAL FINDINGS

(a) ADULTS

Map Ref.	Locality	Animal Shelters Stables	Pigsty.	Adults
610.854	Cesano Station	0	4	Nil
595.853	" "	0	2	Nil
625.868		1	3	Nil
630.880		1	0	Nil
635.875	Cesano Village	1	1	A.maculipennis 1 female
				A.claviger 2 "
649.892		1	0	Nil
648.912		1	0	Nil
640.910		2	0	A.maculipennis 1 female
628.907		1	1	Nil
628.919		1	0	Nil
649.921	Baccano	0	2	A.maculipennis 34 female
				A.m.typicus and
				A.m.labranchiae
632.960		0	2	A.maculipennis 4 female
626.968		2	0	Nil
607.957		2	1	A.maculipennis 2 female
				A.claviger 1 female
565.964	Trevignano Area	1	0	A.maculipennis 12 female
				A.claviger 7 "
				A.claviger 1 male

(b) LARVAE:

Mapref.	Locality	Breeding Place	Larvae

Declassified E.O. 12356 Section 3.3/NND No. 785020

628 .907		1	1	Nil
628 .919		1	0	Nil
649 .921	Baccano	0	2	A.maculipennis 34 female A.m.typicus and A.m.labranchiae
632 .960		0	2	A.maculipennis 4 female
626 .968		2	0	Nil
607 .957		2	1	A.maculipennis 2 female A.claviger 1 female
565 .964	Trevignano Area	1	0	A.maculipennis 12 female A.claviger 7 " A.claviger 1 male

(b) LARVAE:

Mapref.	Locality	Breeding Place	Larvae
608 .840		1 stream nearby dry	Nil
600 .853	Cesano Station	Series of small grassy ditches	1689 A.claviger 4 stage-4 pupae-2
648 .912		2 streams	Nil
635 .875	Cesano village	1 tank with alga	Nil
635 .920	Baccano	Weedy streams which drain a marsh	A.claviger 4 stage-10 Pupae-1
632 .960		1 stream	Nil
626 .968		Small marsh	Nil
565 .964	Near Trevignano	Small grassy drains	A.claviger 4th stage 12 3rd stage 10 2nd stage 6

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Declassified E.O. 12356 Section 3.3/NND No. 785020

SCALE 1.100,000 Sheet 143.

Subject: Malaria

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/24/1492
5 April 45

MMS APHQ

Reference your letter M 624 of 30 March 45.

1. 'Q' MMIA state that it is not possible to find alternative accommodation for the III.MI Reinforcement Depot at Frosinone. The actual site of the main camp at BORGO PANI is considered by Italian authorities to be less malarious than the subsidiary camp at ANAGNI. The barracks at the main camp are excellent and considerable amount of engineer work has been carried out. When complete, it is intended to close down the subsidiary camp at ANAGNI, before the onset of the malarial season.

2. Previous anti-malarial control work was carried out by the Italians, but much has been destroyed as a result of bombing etc. Italian engineers have been instructed to repair as much as possible and the ground will be treated where necessary with Paris Green or Malariol. These items are available in Italian depots.
As the Italian Army has not previously used DDT, it is considered that a more accurate estimate will be available on the receipt of the report by A.C. 10 Malarial Field Laboratory.

Lieut-Col.

Declassified E.O. 12356 Section 3.3/NND No. 785020

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As the Italian Army has not previously used DDT, it is considered that a more accurate estimate will be available on the receipt of the report by A.C. 10 Malarial Field Laboratory.

Lieut-Col.
A.D.M.S.
Land Forces Sub Comm. AC. (MMA)

/NEC

Copy to: AFHQ M.A.A.C. (2)

Internal - [illegible]

1687

Declassified E.O. 12356 Section 3.3/NND No. 785020

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Q.2.

Sit Malaria conference recently held at ADC, Ivesmore stated to be fairly highly malarious. AFHQ were requested to provide DDT and sprays etc. for Italian Army. They now wish to know if alternative accommodation can be found for this Reinforcement Depot.

W.

2/4/45.

DADMS

No. The idea is to abolish Agnani "overflow" and concentrate on Ivesmore where R.E. work is being completed. Agnani ought to be emptied by the time Malaria becomes awkward RAC 1686

Q2 4 Apr.

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Malaria. Ref:- M. 6234

To:- Deputy Assistant Director of Medical Services,
Land Forces Sub Commission,
Allied Commission (MMIA),
C.M.F.

Reference your memorandum M/2A/1373 dated 28 Mar.45.

The policy in L. of C. and Base Areas is to ensure that wherever possible Camps are sited in non-malarious or mildly malarious areas.

Will you please say whether alternative accommodation cannot be found for the Italian Troops in question.

Information is also required as to the extent of the anti-malaria work necessary including the use of insecticides and larvicides.

O.C., 10 Malaria Field Laboratory has also been asked to report on the area in question.

H.D. Chalke

H.D. Chalke, Lieut-Colonel, A.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

30 Mar.45.
HDC/FP.

Copy to:- Assistant Director of Medical Services,
Rome Area Allied Command,
C.M.F.

-1685 Minutes of Malaria Conference Rome Area Allied Command dated 25 Mar.45 refer.

M/2A/1446

Declassified E.O. 12356 Section 3.3/NND No. 785020

Signal Message

From: MMLA

To: CG MTOUSA

31 05 1140 B

M 1490

RESTRICTED

FOR SURGEON (.) FIRST (.) WILL ATEBRIN BE ISSUED TO US-IET TROOPS QUERY (.) SECOND (.) IF ATEBRIN ISSUED CMA WILL IT BE TAKEN BY ALL TROOPS OR ONLY IN MALARIOUS AREAS QUERY (.) IF ONLY IN MALARIOUS AREAS MAY A COPY OF MAP DEFINING THESE AREAS BE GIVEN TO CORRESPONDING ITALIAN COMMANDS (.) THIRD (.) ON WHAT DATE WILL ATEBRIN FIRST BE TAKEN QUERY

Precedence IMPORTANT

Authenticated W.C. Hagge. Lt-Col

Internal

Ministry of War Sanita

'A'

'Q'

1684

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Mepacrine

Land Forces Sub Comd.
A.C. (LMLA)
ROME
F/2A/1483
4 April 45

Ministry of War,
Direzione Generale di Sanita Militare

1. It is proposed to move one million mepacrine tablets from Magliana to Ancona to cater for troops in 1 District.

2. One million to Virgilio Hospital, Rome to cover troops in No 8 Territorial Command.

A.W.J. Cooper,
Staff Capt.
for A.D.M.S.
Land Forces Sub Comd. AC. (LMLA)

/RDM

Copy to: Medical LO LMLA
Magliana - for action.

1683

Declassified E.O. 12356 Section 3.3/NND No. 785020

Signal Message

From: MMLA

To: (1) DEMSE REAR EIGHTH ARMY

Info: (2) MMLA LO REAR EIGHTH ARMY (3) MMLA LO DISTONE

M 1481

RESTRICTED

FIRST (.) MINISTRY OF WAR SIGNAL 6/2387/1ST OF 4 APRIL TO ANCONA MILITARY HOSPITAL AUTHORISES RELEASE OF TWO MILLION MORACRINE (EQUIVALENT) TO RATION DEPOTS EIGHTH ARMY FOR REDISTRIBUTION TO ITALIAN TROOPS (.) EIGHTH ARMY TO ARRANGE COLLECTION (.) SECOND (.) CAPT COOPER WILL DELIVER EXTRA COPY OF THIS SIGNAL BY HAND TO ANCONA ON AFTERNOON OF 5TH APRIL (.) FURTHER SUPPLIES BEING SENT TO ANCONA FOR DISTONE NEEDS

Precedence (1) Immediate
(2) & (3) Important

Authenticated W.C. Hegarty, Lt-Col.

Mod

28

Subject: Anti-Malarial Equipment for BR-ITIS.

Land Forces Sub Comm. A.C.
(M. M. I. A.) R O M E
Q/OS/11/1

20 Mar 1945

To: MMIA LO HQ Fifth Army Br Increment.
MMIA LO HQ Eighth Army.
MMIA LO HQ No. 1 District.
MMIA LO HQ No. 3 District.
MMIA LO Naples.
MMIA LO Bari.

1. AFHQ under letter AFHQ/9187/9(AE) of 26 Mar 45 have directed that Bush nets will be issued to BR-ITI Service Tps held in Category 3 and BR-ITI Rfts held in Category 6B page 58 of CRSAT dated 9 Mar 45. Instructions regarding ITI-ITI G-1 Bns under Br Comd have not yet been received.

2. Bush nets are being made available to MMIA at NAPLES during the next four weeks. Initial quantities available will be

209 Div	14,000	230 Div	15,000
227 Div	15,000	231 Div	10,000
228 Div	15,000	ORVIETO	10,000

3. MMIA LO Br Increment Fifth Army and Eight Army will request Army Q to call fwd during period 16/22 April 45. Separate arrangements will be made for delivery to remaining destinations.

4. Issue will be at the date and in the order of priority within the Div as directed by the Allied Army or District concerned.

5. Nets will be a "personal" issue and will remain with the man at all times under exactly the same conditions as for Br tps.

Declassified E.O. 12356 Section 3.3/NND No. 785020

regarding ITI-ITI Gd Dns under Br Comd have not yet been received.

2. Bush nets are being made available to MMLA at NAPLES during the next four weeks. Initial quantities available will be

209 Div	- 14,000	230 Div	- 15,000
227 Div	- 15,000	231 Div	- 18,000
228 Div	- 15,000	ORVIETO	- 10,000

3. MMLA LO Br Increment Fifth Army and Eight Army will request Army Q to call fwd during period 16/22 April 45. Separate arrangements will be made for delivery to remaining destinations.

4. Issue will be at the date and in the order of priority within the Div as directed by the Allied Army or District concerned.

5. Nets will be a "personal" issue and will remain with the man at all times under exactly the same conditions as for Br tps.

1681

F. J. HOLMES, Col.
D. A. & Q. M. G.
M. M. T. A.

FJH/lc

Copy to: AFHQ for G/AE
CG Fifth Army for Br Increment (2)
HQ Eighth Army (2)
HQ No. 1 District (2)
HQ No. 2 District (2)
HQ No. 3 District (2)
All MMLA LOs (less addressees)
Ministry of War (Gen PELLIGRA)
Ministry of War (Gen CALDAROLA)

Internal: "A"
Medical

Voted.
2/4 Hale

M/3A/1433

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Memorial Officers

27

Land Forces Sub Comd.
A.C. (MLA)
ROE:
M/24/11432
31 March 45

MMLA L.O. Rear 6th Army

Reference your M1/427 of 18 March 45.

Herewith copy of Ministry of War orders.

Please inform NMLS 6th Army.

A.W.J. Cooper,
Staff Capt.
for D.A.D.M.S.
Land Forces Sub Comd. AC.(MLA)

/EB

1680

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation.

From :- M.of W. (DGSM)
To :- M.M.S.B.
Subject :- Malaria Training.
Ref. :- To Letter M/2A/1204 - 20/3/45

Ref :- 2/2138/R.
28/3/45

26

M/2A/1422

It has been arranged for the medical officers trained in Malarial prophylactic procedure, not to be transferred from their respective units.

Instructions have been issued for the replacement of Med Lt. DISPOTO Vincenzo, with 1679 Malariological officer.

E.R.

W.O.

(N. MAUGERI)

Declassified E.O. 12356 Section 3.3/NND No. 785020

DT OF V MCC 34 TVR 1
FROM: S L [illegible] 281230
TO M D I A
INFO AFMIO CMF 5 ARMY
MED 1 . RESTRICTED . REF YOUR U1105 OF 14 .
FOLCORE HOLD TWO THOUSAND MOSQUITO NETS .
DT 281230
SENT 34 1927 PHP AR
~~FOR REPEAT INFO ADD OVERNIGHT~~
~~INFO AFMIO CMF 5 ARMY~~
TD PSE
5 ARMY
TD 1927A FA [illegible]

1882

M/DA/1386

bar → 167 returned for info & Retain Medical.

Subject: Malaria

Land Forces Sub Comm.
A.C. (MMIA)
NMMI
M/24/1373
March 45

24

DMS AFHQ

1. DMMS MMIA attended a Malaria Conference of Rome Area Allied Command on 25th March 45. Col. Guerra, AMMS Italian Rome Territorial Command informed the conference that Frosinone, the site of an Italian Reinforcement Camp, was considered to be highly malarious and DMMS was requested to ask AFHQ if a supply of D.D.T. would be available for use by the Italian medical authorities in this area.

2. If authorised for use by the Italian Hygiene Section, Rome, additional equipment necessary for spraying will also be required.

3. May a ruling on this matter be given please.

Major,
D.A.D.M.S.
Land Forces Sub Comm. AC. (MMIA.)

/MMG

Copy to: AMMS R.A.A.C.

Declassified E.O. 12356 Section 3.3/NND No. 785020

additional equipment necessary for spraying will also be required.

3. May a ruling on this matter be given please.

Major,
D.A.D.M.S.
Allied Forces Sub Comm. AC. (MEDN.)

/MEC

Copy to: AEMS R.A.A.C.
'B'
'A'

1677

Declassified E.O. 12356 Section 3.3/NND No. 785020

M/2A/1369

MINUTES OF CONFERENCE ON
MALARIA CONTROL IN ROME AREA ALLIED COMMAND

25 March 45

WAU 28/3.

PRESENT:

Col T.D. INCH	Surgeon, RAAC.
Col Vicenzo GUERRA	Direzione Sanità, Territorio di Roma
Lt.Col Benjamin L CAMP	Deputy Surgeon, RAAC.
Lt.Col G.M. FRIZELLE	HQ, Allied Commission.
Lt.Col Massa FILIPPO	Direzione Sanità, Territorio di Roma
Major D. BELL	DADH, 2 District
Major E.L. CARTER	DADH 201 Sub Area
Major W.A. HEGGIE	Land Forces Sub-Commission, MMIA.
Major J.C. MCKILLOP	10 Malaria Field Laboratory
F/Lieut A.F. NIVEN	2 Base Area RAF
Capt L.A. MAGLIO	ATC, Ciampino
Capt Eric W. MOOD	133rd Med Comp Plat (FA)
Lieut C.S. CURTIS	25 Field Sanitary Section
Lieut R.D. JOHNSON	33 Malaria Control Unit
Lieut G.H. GIFFORD	60 Malaria Control Unit
2/Lieut W.F. WALLER	1st Repl. Depot
Doctor E.C. BENN	UNRRA
Doctor Fred W. KNIPE	Rockefeller Foundation
Doctor F.S. MARKHAM	Rockefeller Foundation
Major W. DAVIDSON	DADH, RAAC.

23

1. POINTS ARISING OUT OF MINUTES OF PREVIOUS MEETING

Surgeon — Read the Minutes of the last Conference. It was agreed that these Minutes constituted a true record.

Declassified E.O. 12356 Section 3.3/NND No. 785020

F/Lieut A.F. NIVEN	2 Base Area RAF
Capt L.J. M.GLIO	ATC, Ciampino
Capt Eric W. MOOD	133rd Med Comp Plat (FA)
Lieut C.S. CURTIS	25 Field Sanitary Section
Lieut R.D. JOHNSON	33 Malaria Control Unit
Lieut G.H. GIFFORD	60 Malaria Control Unit
2/Lieut W.F. W.LLER	1st Repl. Depot
Doctor E.C. BENN	UNRRA
Doctor Fred W. KNIPE	Rockefeller Foundation
Doctor F.S. M.RKH.M	Rockefeller Foundation
Major W. D.VIDSON	DADH, RAAC.

---

1. POINTS ARISING OUT OF MINUTES OF PREVIOUS MEETING

Surgeon — Read the Minutes of the last Conference. It was agreed that these Minutes constituted a true record.

Surgeon — Demonstrated the Malaria Map which had now been almost completed by 10 Malaria Field Laboratory. Asked if the area round Lake BR.CCI.NO could be surveyed.

Major Mckillop — Said this would be done as quickly as possible.

It was agreed to issue the map as soon as it had been completed.

A discussion took place on the value of Civilian Statistics as a basis for completing the map, but the general concensus of opinion was that these should not be used.

Deputy Surgeon — Suggested integrated letter-press to go with the map should be written by the Surgeon.

This was agreed.

1676

Declassified E.O. 12356 Section 3.3/NND No. 785020

Doctor Knipe	Outlined programme of work in LIDO experiment. The work is approximately half completed.
DADH	Outlined areas to be controlled by 133 (US) MCU, 33 (Br) MCU and 76 (Br) MCU. OC 33 (Br) MCU to contact Doctor Knipe in order to ensure that the whole TIBER Valley was DDT-ed.

2. CONTROL IN ITALIAN ARMY

Surgeon	Asked Colonel Guerra to give outline of control programme at CESANO and BRACCIANO.
Col Guerra	Stated there were two squads working within a 3 Km. radius of all installations. At present draining and ditching was being carried out. Later Paris Green would be used. He stated that liaison is maintained with civilians.
Major Heggie	Pointed out that the policy regarding malaria control in Service ITI Units had not been fixed by AFHQ. He stated that the Italian Army has a good supply of Paris Green and Malariol. He stated that the troops at CESANO, being combat troops, would likely get nets. Courses of lectures are being given both at CESANO and FROSINONE on 5th and 15th of April. He asked for a supply of malaria maps for the Italian Army. This was agreed.
Col Guerra	Asked what was being done for the troops at FROSINONE, a highly malarious area.
Major Heggie	Agreed to apply for DDT to use in FROSINONE area.

3. TRAINING

Deputy Surgeon	US courses not yet started.

Declassified E.O. 12356 Section 3.3/NND No. 785020

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He asked for a supply of malaria maps for the Italian Army.

This was agreed.

Col Guerra — Asked what was being done for the troops at FROSINONE, a highly malarious area.

Major Heggie — Agreed to apply for DDT to use in FROSINONE area.

3. TRAINING

Deputy Surgeon — US courses not yet started.

DADH — 2 courses have been completed.

4. OTHER BUSINESS

Doctor Knipe — Stated he had found a blooded and gravid A.Maculepennis in ACILIA.

Major Mackillop — Said 10 Malaria Field Laboratory had also found such mosquitoes, but the rate of breeding at present was such that 70 days were required to complete the cycle. He was of the opinion that the chances of transmission before May were negligible.

Declassified E.O. 12356 Section 3.3/NND No. 785020

5. NEXT MEETING

It was agreed to hold the next Meeting on 8 Apr 45 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

W. DAVIDSON,
Major RAMC.,
D.A.D.H.

27 Mar 45
TDI/WM/jrb.

Distribution

Malariologist PBS, APO 782 US Army
" ATC, Ciampino Airport
" 1 Repl. Depot
" 133rd Malaria Control Unit
DDMS 2 District
ADMS 57 Area
DADH 201 Sub Area
SMO 2 Base Area RAF
10 Malaria Field Laboratory
33 MCU
60 MCU
76 AMCU

Malariologist UNRRA City
" Public Health Sub Commission, AC.
Malaria Control Demonstration Unit, AC.

Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Declassified E.O. 12356 Section 3.3/NND No. 785020

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Malariologist UNRRA City
" Public Health Sub Commission, AC.
Malaria Control Demonstration Unit, AC.

Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist, AFHQ
" MTOUSA APO 512 US Army
" AAF/MTO
" AAFSC/MTO
Commander 201 Sub Area
DADMS, Land Forces Sub-Commission (MMIA)
25 Field Sanitary Section

1675

For
Information

Col Guerra,
Direzione Sanità Militare,
Roma.

R&C Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Malaria

Land Forces Sub Comm.
A.C. (MEIA)
RCME
W/2A/1350
27 March 45

MEI AFHQ

The attached instruction from Medical Directorate Ministry of War and proforma for malarial patients, is forwarded for information.

Major.
D. A. D. M. S.
Land Forces Sub Comm. AC. (MEIA)

/REG

Declassified E.O. 12356 Section 3.3/NND No. 785020

1/10/1973

Tile

T R A N S L A T I O N

FROM: Ministry of War. Ref N°4/916/I.S.

TO : Circular letter to M.M.I.A. for info. 15/3/45

SUBJECT: Individual record card for malarial patients and troops.

So as to ensure the continuation of the Malaria cure and to reach the maximum number of complete cures in the shortest possible time, this Ministry, has adopted since the 9142 malarial season, the compliling of an individual Malaria record card for all the troops who have to undergo Malaria treatment for the first time.

In those record cards, of which a copy has been attached beside the personal particulars of the soldier dealt with well show all details of the clinical and microscopical diagnosis and type of malaria present, the locality where the malaria was contracted the cures and treatment that have been carried out and the forensic procedure that was carried out.

This card will be given to the troops in question when dismissed from Hospital with instruction to hand same over to their own unit H.Q. at the time of rejoining same so that they may take note of the case on the Malaria Register and arrange for the treatments to be still carried out on the patient. In cases of successive admissions in hospital, for recurrent malaria the report card will be handed over to the doctor who carries out the treatment so that he may have a clear view of the treatments already adopted as regards the previous diagnosis and of the result of treatments.

A sufficient number of said cards will be sent to each Medical Directorates and to Divisional Medical Office of the Combat Groups with instruction to distribute same amongst their dependent units.

Eventual requirements for extra cards will be requested to the Ministry of War taking into consideration that owing to the restricted availability the number requested must only cover strict necessities.

Please issue necessary orders and acknowledge receipt.

1673

CALDAROLA

Subject: Training - Malaria, Sanitation, Water Duties

71

Land Forces Sub Comm.
A.C. (MMIA)
ROME
M/2A/1288
24 March 45

DMS AFHQ

Reference your letter M 6234 of 17 March 45.

1. The information requested is not available in detail at this office. As the Combat Groups moved forward into the Army zones, having completed their organisation and equipping, the policy has been to withdraw MMIA L.Os. as they are no longer required. The B.L.Us., each of whom have an RAMC non-medical officer on their W.E., receive their instructions direct from immediate higher Allied command.

If it is desired that this information be forwarded to AFHQ through MMIA channels, it is requested that Allied formations be asked to instruct BLU medical officers accordingly.

2. It is known, however, that such courses of instruction and training are being organised for both Combat and Service Italian troops and the following extract from MMIA Liaison Officer's Log dated 15 March 45 is quoted.

"Para 9. The following courses excluding those purely for Italian Combat Groups are being held:-

(a) Water duties under arrangement 86 (Army) area
(b) Hygiene duties under arrangement Medical 8th Army
(c) Vehicle maintenance under arrangement P.L. Army.

Of 10 officers who recently attended a malaria refresher course at 8 Malaria Field Laboratory, only one has received an unfavourable report".

Para 1 of this office letter M/24/1153 of 17 March 45 also refers.

3. Water trucks were issued deficient of cases, water sterilisation, to Combat Groups. As the medical equipment (I 1248) was entirely an Italian medical supply, medical officers do not possess Horrocks boxes. Sterilisation of water is therefore carried out by the superchlorination method using either W.S.P. (British) or preferably the Italian equivalent "Steridrolo". Attached

1673

Declassified E.O. 12356 Section 3.3/NND No. 785020

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(c) Vehicle maintenance under arrangement P.L. Army.

Of 10 officers who recently attended a malaria refresher course at 8 Malaria Field Laboratory, only one has received an unfavourable report".

Para 1 of this office letter M/24/1153 of 17 March 45 also refers.

3. Water trucks were issued deficient of cases, water sterilisation, to Combat Grpupo. As the medical equipment (I 1243) was entirely an Italian medical supply, medical officers do not possess Horrocks boxes. Sterilisation of water is therefore carried out by the superchlorination method using either W.S.P. (British) or preferably the Italian equivalent "Steridrolo". Attached for information is a copy of MMIA letter M/2/805 of 27 Feb 45.

/ C. C. Heggie

Major,
D.A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RBG

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Instruction in Malaria, Sanitation and Water Duties for Gruppe Personnel.

Ref:- M.6234.

To:- Deputy Assistant Director of Medical Services,
Land Forces Sub Commission,
Allied Commission (M.M.I.A.),
ROME.

M/2/1087.

Further to this Directorate's memorandum M.6234 dated 12 Mar.45.

Will you please say what is the present position with regard to instruction of personnel of the Gruppe in Sanitation and Water duties.

Attached is an extract from a report on the Training of Italian Gruppo, Folgore which reveals an extremely low state of training in these subjects.

It is essential that instruction of all Gruppe in Malaria, Sanitation and Water Duties should be proceeded with as quickly as possible.

T. Young, Colonel, D.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

17 Mar.45.
TY/PP.

M/2/1190

Declassified E.O. 12356 Section 3.3/NND No. 785020

EXTRACT FROM REPORT ON THE TRAINING OF ITALIAN GRUPPO, FOLGORE, FEBRUARY 1945. 10 Corps Monthly Hygiene Report Feb '45

"Equipment and training of Unit Water and Sanitary Personnel.

The Gruppo was issued with new water trucks, but the eqpt had already been misused - unions from rubber hoses having been cut off to allow the hoses to be pushed into taps, brushes for cleaning filters had been used for cleaning and greasing the trucks.

All water trucks are deficient of cases W.T. sterilisation; these have been asked for by B.L.U.

The drivers and two O.Rs. of three trucks have received instruction in the working of the trucks and the equipment has been made as serviceable as possible.

Medical Officers were advised to send water duty personnel to the Hygiene platoon for training.

Hygiene of Gruppo.

The general standard of sanitation in the Gruppo units was found to be very low. Cookhouses and cooks were dirty, cooks sleeping in the cookhouses, no proper disposal of swill or waste water. Latrines in most cases were non-existent and men were defaecating indiscriminately in the open.

Overcrowding is very prevalent, as many as four men sleeping in one bed cot, blankets were not folded, lack of ventilation and food scattered all over the rooms. There were no ablution arrangements."

- - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785020

DADMS

SIGNAL

DATE TIME
210956 A

19

FROM: H H I A

TO(FOR ACTION): D A D O S 71 SUB AREA

TO(FOR INFO): DISTOM AMZA LO

Q/OS/114

RESTRICTED

REFERENCE YOUR 917/8/01 OF 18 (.) EXCLUSION
FROM A F H Q REGARDING SCALE OF ANTI-MALARIAL
QUOT AUTHD (.)

IMPORTANT

RELEASED:

AUTHENTICATION

INTERNAL

Q

M E D

CINC

Wow. 21/3

Filo

2/1320

1669

Subject: Malaria Control - Training

CONFIDENTIAL

Land Forces Sub Comm.
A.C. (MTO)
FROM
M/34/1324
20 March 45

Ministry of War,
Direzione Generale di Sanita Militare

The following officers have received special training in anti-malarial control.

Sott Med	[illegible]	Comando	317	Field Hospital	Folgore
Sott Med	[illegible]	Antonio	183	Medical Section	Folgore
Ten Med	[illegible]	Walter	333	Field Hospital	Cremona
Sott Med	[illegible]	Silvio	52	Field Hospital	Friuli
Sott Med	[illegible]	Arnaldo	26	Medical Section	Friuli
Sott Med	[illegible]	Giorgio	231	Evacuation Hosp.	228 Division
Ten Med	[illegible]	Augusto	960	Field Hospital	Friuli
Sott Med	[illegible]	Marcello	292	Evacuation Hosp.	228 Division
Ten Med	[illegible]	Achille	333	Field Hospital	Cremona

It is requested that these officers will not be posted away from their present units as they will be required to act as instructors for the next few months to their respective Group or Division.

2. Lt(Medical) [illegible], 9th Medical Section, Cremona Group, has proved unsuitable as a malariologist and it is requested that a replacement be posted at an early date.

Declassified E.O. 12356 Section 3.3/NND No. 785020

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Capt	Med	[redacted]	Ugo	36	Medical Section	Udine
Capt	Med	[redacted]	Giorgio	291	Evacuation Hosp.	226 Division
Lieut	Med	[redacted]	Augusto	960	Field Hospital	Friuli
Capt	Med	[redacted]	Nicolla	292	Evacuation Hosp.	226 Division
Lieut	Med	[redacted]	Achille	313	Field Hospital	Cremona

It is requested that these officers will not be posted away from their present units as they will be required to act as instructors for the next few months to their respective Group or Division.

2. Lt(Medical) [redacted], 36 Medical Section, Cremona Group, has proved unsuitable as a malariologist and it is requested that a replacement be posted at an early date.

W.G. Heggie 1668

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

/MDU

Land Forces Sub Comd. AC.(MDU)

Copy to: [redacted] } for information
[redacted] 15 Army Group }
[redacted] Lt.Col. Army 5th Army (2)

Declassified E.O. 12356 Section 3.3/NND No. 785020

SUBJECT:- Anti-Malaria Training

17

Liaison Officer,
Land Forces Sub Comm, AC,
(M.M.I.A.),
c/o Rear HQ, Eighth Army.

MM/127
18 Mar 45.

Land Forces Sub Comm, AC,
(M.M.I.A.), R O M E.

Attached is an extract from Rear Eighth Army letter R 4407 M dated 14 Mar 45.

"1. The following officers have now received special training and it is requested that action be taken as suggested above.

Sott Med SCUDERI	Corrado	517 Field Hospital, Folgore ~~Gruppo~~
Sott Med SCARANTINO	Antonio	44 Sanitary Section, Folgore Gruppo
Ten Med TRIPPI	Walter	333 Field Hospital, Cremona Gruppo
Sott Med MORRA	Fulvio	82 Field Hospital, Friuli Gruppo
Sott Med SEMBRARO	Armaldo	24 Sanitary Section, Friuli Gruppo
Sott Med LOMBARDO	Giorgio	291 Camp Hospital, 228 Division
Ten Med FERRANTI	Augusto	960 Field Hospital, Friuli ~~Gruppo~~
Sott Med BORASI	Marcello	292 Field Hospital, 228 Division
Ten Med FARINO	Achille	333 Field Hospital, Cremona ~~Gruppo~~

2. Ten Med DISPOTO, Vincenzo, 54 Sanitary Section, Cremona Gruppo attended a course at No.8 Malaria Field Laboratory, but was reported upon as follows :-

"I consider that Ten Med DISPOTO is not suitable for the post of malariologist to a Gruppo, since he has not sufficient interest in the subject nor the right kind of ability for work of such present importance."

ADMS Cremona Gruppo has been interviewed by ADH Eighth Army and advised to apply for a replacement of Ten Med DISPOTO on grounds of his unsuitability. It has been arranged that lectures to officers of Cremona Gruppo will in the meantime be given by Ten Med FARINO."

May the Ministry of War please be instructed not to cross-post any of the officers concerned, as they are now regarded as the Anti-Malarial experts of their respective formations and unit training will hinge upon them.

1667

Declassified E.O. 12356 Section 3.3/NND No. 785020

Ten Med FARINO Achille 333 Field Hospital, [illegible]

2. Ten Med DISPOTO, Vincenzo, 54 Sanitary Section, Cremona Gruppo attended a course at No.8 Malaria Field Laboratory, but was reported upon as follows :-

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May the Ministry of War please be instructed not to cross-post any of the officers concerned, as they are now regarded as the Anti-Malarial experts of their respective formations and unit training will hinge upon them.

1667

B Kaufbrand

Major,
MMLA LO, Rear Eighth Army.

Copy to : HQ 228 Div.

M/20/1195

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

MOST IMPORTANT FILE. COPY (Original with A/Os) 9/3. BAMS.

Subject:- Anti-Malarial Equipment.

HQ N°2 District, CMF

Tel: Ext 82

ORD/1029

11 March 1945

ADOS RAAC
ADOS 59 AREA
DADOS 60 SUB AREA
DADOS 201 SUB AREA
O.O. 209 SUB AREA

1. The scale of issues of Anti-Malarial and Anti-Fly stores has now been received from AFHQ and details are given below for your information:

Flit guns	10% strength of unit
Sprayers had Menney or Misto	1% strength of unit
Bush Nets	Field Units only 100% strength of unit
Curtains Mosquito or Sandfly	1 each all ranks Base and L of C Troops
GS Hoop Pattern or Single	10% strength of unit
Bar Type or Nets Bivouac	2% strength of unit
Veils Mosquito	1 per 10 all ranks
Gauntlets Mosquito	20 sq ft per 100 all ranks per month for covering food.
Fly Swats	
Muslin	

It is understood that a G.R.O. on the subject is being published in the very near future.

2. Regimental & Squad Sets

These are not being issued this year; but sprayers hand Manney or Mysto are authorised up to 1% of unit strength.

Malarial Control Units will be issued with Malarial Control Unit Sets. These will be allocated to Districts by DMS AFHQ. Further information will follow.

3. 557 BOD is returning indents for Regimental and Squad Sets but confirms that indents for all other anti-malarial and anti-fly stores are being met.

1666

for Col., D.D.O.S.

HB/C
Copy to:- ADOS 57 Area
DADOS 151 Sub Area

M/3A/1183

Declassified E.O. 12356 Section 3.3/NND No. 785020

LRKE V#LOXL NR 1 "p"
FROM 52 BLU
TO MMIA
1S N F
GR 33BT
MB 15. 1 (.) RESTRICTED . (.) YOUR M 1105 OF 15 (.) ALL MOSQUITO NETS LEGNANO RETURNED OSPEDALE MILITARE VIRGILIO ROME AS PER LETTER 4/3746/ IS DATED 19 DEC 44 FROM DIREZIONE GENERALE DI SANITA MILITARE (.) 4430 NETS HANDED IN
BT

---SENT--- R E W K
R-0741----J O E----AR"

1665

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Courses - Malarial Control

13

Land Forces Sub Comm.
A.C. (MMIA)
RCME
M/2A/1180
19 March 45

F BLU, RTC ICF
British Cadre, 802 Italian Rft Camp

1. For your information, Medical Directorate Italian Rome Territorial Command have arranged to hold two short courses each of 5 days, commencing on 5th and 15th April, on malarial control.

Lectures will be held under Italian arrangements on both dates at Cesano and Orvieto Camps and each Battalion or equivalent unit will send 2 officers and 3 N.C.Os., to attend one of these courses.

2. Arrangements have been made to hold similar courses at the Italian Reinforcement Depot at Frosinone.

A.C. Beggie

Major,
D.A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RBG

Copy to: DMS AFHQ
DDMS 15 Army Group
DDMS 1 District
ADMS RAAC.

1664

File

Declassified E.O. 12356 Section 3.3/NND No. 785020

COPY TRANSLATION

From; CMT. medical Dir. Rome. Ref; 402/1/S.

To ;Col..CC.RR. Rome and Lazio. 11/3/45.

Subject; Anti- Malaria Campaign. 1945.

12

Further to letter 105/1.S.and 296/1.S. of the 25th and 26th ~~Feb.~~
In vew of the nearing of the Anti-malarial campaign 1945, we ask that the medical service staff arrange to carry out an inspection of all stations in the malarial Zone, in order to know exactly their position in respect of the mechanical defences of the barracks(referred to in a/m letters)and what small scale sanitation has to be carried out.

In permanent malarial areas where it is impossible for the station personel to carry out the neccessary work, and where no anti-malarial units function(Communal and Provincial etc.) the formation of a civilian squad is proposed, composed of the few elements already familiar with light sanitation routine.

Detailed reports of the inspection will be forwarded to us before the 10/4/45, regarding varous neccessities, effective control of materials,recuirements for mechanical defences of billets, and for the personal protection of Carabiniere on outside night duty.

Med.Col.Dir.

(Guerra Dr.Vincenzo)

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

General Directorate Mil. Med.

From; M.of W. Ref; 4/859/1.S.

To ; MMIA. 15/3/45.

Further information ~~in~~ letter (circular)No 4/552/1.S.
Dated 22/2/45 from this ministry.

Dir.Gen. a.p.s.

GD. Med. Col.(N.Maugeri)

M/2A/870

M/2A/1175

1663

Declassified E.O. 12356 Section 3.3/NND No. 785020

(10)

ROME AREA ALLIED COMMAND
OFFICE OF THE SURGEON.
A.P.O.794 U.S.ARMY.

SUBJECT : Malaria Conference

Reference : Med(Br)329

DADMS,
Land Forces Sub-Commission (MMIA).

Reference attached copy of "Minutes of Conference on Malaria Control in Rome Area Allied Command".

1. You are invited to send a representative to the next, and subsequent conferences on Malaria Control in R.A.A.C.

2. The next conference will be held at 1100 hours on Sunday 25 Mar 45 at the Office of the Surgeon, Rome Area Allied Command.

T.D. INCH,
Colonel,
SURGEON.

16 Mar 45
TDI/jrb.

Comms in Rome, Allied Comd, Forces
Copies to ~~Gothic~~ and Rear Troops.
Comd RR.ATI.

1662

M/2A/113

MINUTES OF CONFERENCE ON

MALARIA CONTROL IN ROME ALLIED AREA COMMAND

11 March 45

PRESENT:

Col. T.D. INCH	Surgeon, RAAC.
Lt.Col Benjamin L CAMP	Deputy Surgeon, RAAC.
Lt.Col Dudley A REEKIE	UNRRA Director of Health Allied Commission
Lt.Col G.M. FRIZELLE	A. & QMG, RAAC.
Lt.Col R. CAMRASS	HQ 2 Base Area RAF.
S/Ldr W.B. PARKER RAF	10 Malaria Field Lab.
Major M. YOELI	rep. ADH 2 District
Major A.S. DAVIDSON	DADH 57 Area
Major J.J. TODD MORRISON	133rd Med Comp Plat (FA)
Capt Eric W. WOOD	1419 AAFBU ATC
Capt. Louis A. MAGLIO	33 MCU.
Lieut. R.D. JOHNSON	HQ Co 1st Repl Depot
2/Lieut. W.F. WALLER	UNRRA Deputy Director of Health.
Doctor E.C. BENN	Rockefeller Foundation AC.
Doctor Fred W. KNIPE	Malaria Control Demonstration Unit, AC.
Doctor Henry W. KUMM	Rockefeller Foundation AC.
Doctor Floyd S. MARKHAM	DADH, RAAC.
Major W. DAVIDSON	

Surgeon — Outlined the purpose of the Meeting and the necessity for close liaison between US and British and the different arms of the Service. Also close liaison with Civilian Authorities. Stressed that the Malaria Campaign in RAAC would be an integrated campaign.

1. DISCUSSION ON MALARIA MAP

SURGEON — Demonstrated map produced by 10 Malaria Field

Declassified E.O. 12356 Section 3.3/NND No. 785020

	Doctor E.C. BENN	UNRRA Deputy Director of Health.
	Doctor Fred W. KNIPE	Rockefeller Foundation AC.
	Doctor Henry W. KUMM	Malaria Control Demonstration Unit, AC.
	Doctor Floyd S. MARKHAM	Rockefeller Foundation AC.
	Major W. DAVIDSON	DADH, RAAC.

Surgeon — Outlined the purpose of the Meeting and the necessity for close liaison between US and British and the different arms of the Service. Also close liaison with Civilian Authorities. Stressed that the Malaria Campaign in RAAC would be an integrated campaign.

1. DISCUSSION ON MALARIA MAP

SURGEON — Demonstrated map produced by 10 Malaria Field Laboratory and 133 Med Comp Platoon. Suggested that this map be printed and distributed to all units with accompanying letter-press laying down the responsibilities attaching to each zone.

Doctor Kumm — Thought Professor Missaroli could supply further information for incorporation in the map. 1661

Capt. Mood — Demonstrated map showing incidence of Malaria amongst Civilians.

Lt.Col Camrass — Wants clear indication on map of measures necessary in various zones.

Capt. Mood — Map should give information about whole area and not leave certain areas unsurveyed.

Surgeon — Agreed this should be done and map will be referred back to 10 Malaria Field Laboratory for completion in conjunction with other sources of information.

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Doctor Kumm	Outlined control programme in LIDO DI ROMA area. All houses within 7 miles of LIDO DI ROMA will be DDT-ed.
Surgeon	Army must link up with this experiment.

2. DISCUSSION ON CONTROL

Surgeon	Asked representatives for estimated control programmes of their organisations.
Doctor Kumm	Rockefeller Team will only be working in LIDO Area.
Lt.Col Frizelle	AC can only help by supplying civilians with Paris Green, etc.
Lt.Col Rankie	UNRRA can also help with supplies. He pointed out that UNRRA had little control over the use of these supplies.
Deputy Surgeon	US Army has one Malaria Control Unit consisting of eleven men with power to employ two Coys of Italians.
Surgeon	British Army has three Malaria Control Units consisting of seven men with power to employ Civilian Labour.
Surgeon	Suggested CsC, US and British Control Units should meet in D.ADH office in order to sub-divide control work and lay down zones of control. This was agreed.
	After discussion it was agreed to recommend that Units should be made responsible for larviciding within one mile of the Unit lines.
Lieut Johnson	Suggested small units be concentrated as far as possible in order to pool resources and thus ease larviciding programme.
Lt.Col Comrass	Thought this would be difficult.

It was agreed, as far as possible, to DDT all houses within 2 miles radius of all units. This would be done by the MCU responsible for the zone.

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Surgeon — British Army has three Malaria Control Units consisting of seven men with power to employ Civilian Labour.

Surgeon — Suggested OsC, US and British Control Units should meet in D.DH office in order to sub-divide control work and lay down zones of control. This was agreed.

After discussion it was agreed to recommend that Units should be made responsible for larviciding within one mile of the Unit lines.

Lieut Johnson — Suggested small units be concentrated as far as possible in order to pool resources and thus ease larviciding programme.

Lt.Col Comross — Thought this would be difficult.

It was agreed, as far as possible, to DDT all houses within 2 miles radius of all units. This would be done by the MCU responsible for the zone.

3. MALARIA CONTROL IN ITALIAN ARMY

Surgeon — Raised the question of Italian Units in the CESANO - BRACCIANO region.

Major Yoeli — Said the number of gametocyte carriers in this region indicated that there was quite a considerable amount of malaria there.

Agreed to invite representative of MMA to future conferences.

4. TRAINING

US and British Training programmes were outlined by the Deputy Surgeon and D.DH.

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5. INFORMATION

It was agreed to set up a Malaria Information Room at the Office of the Surgeon.

6. SIGN POSTING

Surgeon — Outlined policy regarding sign posting in original RAAC. Signposts to be erected only on roads entering the coastal belt. 201 Sub Area will use their own discretion.

7. DATE OF NEXT CONFERENCE

It was agreed to hold the next conference on Sunday 25 Mar 45 at 1100 hours at the Office of the Surgeon, Rome Area Allied Command.

W.DAVIDSON,
Major R.A.M.C.,
D.A.D.H.

15 Mar 45
TDI/WD/jrb.

Distribution

Malariologist PBS APO 782 US Army.
" ATC Ciampino Airport
" 1 Repl Depot
" 133 Malaria Control Unit
DDMS 2 District
ADMS 57 Area
DADH 201 Sub Area
SMO 2 Base Area R.A.F
10 Malaria Field Laboratory
33 MCU

Malariologist UNRRA City
" Public Health Sub Commission AC

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15 Mar 45
TDI/WD/jrb.

D.A.D.H.

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SMO 2 Base Area RAF
10 Malaria Field Laboratory
33 MCU

Malariologist UNRRA City
" Public Health Sub Commission AC
Malaria Control Demonstration Unit, AC.

Prof Missaroli, Istituto Superiore di Sanità
Prof Cramerossa, Ufficio di Igiene e Sanità

Malariologist AFHQ
" MTOUSA APO 512 US Army
" AAF/MTO
" AAFSC/MTO
Commander 201 Sub Area
DADMS, Land Forces Sub Commission (MMLA)
25 Field Sanitary Section

1660
For
Information

RAAC Distribution

Commanding General
Deputy Commander
G-1 (Br)
G-1 (US)

Declassified E.O. 12356 Section 3.3/NND No. 785020

Declassified E.O. 12356 Section 3.3/NND No. 785020

COPY SIGNAL

FROM LAEE 151901A

TO FIFTH ARMY - HEAR HQ EIGHTH ARMY - DISTONE - DISTWO

DISTHREE - ROME AREA

RESTRICTED

ITALIAN COMBAT TROOPS (GRUPPI) WILL BE ISSUED WITH KD AND ANTI MALARIAL EQPT TO SAME SCALE AS BRITISH TROOPS (.) FX44192 SIGNED SACMED CITE FHQAE

RAAC G-4 Br Dists

Land Forces Sub Commission AC (MMIA)
201 Sub Area
RTC ICF
F BLU RTC ICF
Med
Ord - our Q 256/9 of 14 Mar 45 refers.
Labour

MMIA DISTs

Q/AE
Q/OS
MED

W.G.F. 17/3

File

1659

Subject: Anti-Malaria Instruction

Land Forces Sub Comm.
A.C. (MMIA)
MMEF
M/24/1153
17 March 45

DMS AMH(a)

1. Reference your letter M. 623/4 of 12 March 45.

(a) Below is given an extract from MMIA L.O.'s Rear 8th Army Liaison Log dated 1st March 1945.

"Para 7 (e) Two MOs of 228 Div will attend 2 day refresher course on Malaria at ANCONA early in Mar and then tour the Gruppi on a short lecture course with Lt MONTINI of 8 Mob Mal Lab prior to becoming responsible for A/Malaria precaution and hygiene in 228 Div.

(f) I have invited units to submit designs for A/Malarial posters which P.W.B. have undertaken to print."

(b) Enquiries are being made if similar arrangements are contemplated for Gruppi under 5th Army (Br Incr) Command.

(c) Courses of instruction in Anti-Malarial control are also being arranged at the Reinforcement and Training Depot, Italian Combat Force at Cesano. These will be carried out under Italian arrangements. There is a British medical officer attached to 'F' MMU at this camp.

2. Medical Directorate, Ministry of War have also published a pamphlet to all Italian Commands. This is attached for information at Appendix 'A' together with an English translation.

3. Each Combat Group Medical Section has a combined hygiene and anti-malarial control platoon - strength 2 officers, 18 other ranks, 4 drivers. One of these officers is a malariologist.

4. It is considered that as far as the combat groups are concerned they will be well prepared. More concern is felt for the US-ITI, BR-ITI and ITI-ITI units and what equipment will be available for these troops from Allied resources. Attached at Appendix 'B' is a memorandum which has been given to 'Q', MMIA. When it is known what equipment will be available for these categories, Ministry of War will

Declassified E.O. 12356 Section 3.3/NND No. 785020

(f) I have invited units to submit designs for A/Malarial posters which P.W.B. have undertaken to print."

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2. Medical Directorate, Ministry of War have also published a pamphlet to all Italian Commands. This is attached for information at Appendix 'A' together with an English translation.

3. Each Combat Group Medical Section has a combined hygiene and anti-malarial control platoon - strength 2 officers, 18 other ranks, 4 drivers. One of these officers is a malariologist.

4. It is considered that as far as the combat groups are concerned they will be well prepared. More concern is felt for the US-ITI, BR-ITI and ITI-ITI units and what equipment will be available for these troops from Allied resources. Attached at Appendix 'B' is a memorandum which has been given to 'Q', MMIA. When it is known what equipment will be available for these categories, Ministry of War will be requested to issue more detailed instructions.

5. Your opinion and advice on the question of Italian A.M.C. Us. as raised in para 10, Appendix 'B', is requested.

6. May a copy of anti-malarial instructions and scales of equipment for British units be forwarded to this office.

1658

A. C. Heggie

Major,
D. A. D. M. S.
Land Forces Sub Comm. AC. (MMIA)

/RDC

Declassified E.O. 12356 Section 3.3/NND No. 785020

Allegato A

MINISTERO DELLA GUERRA

DIREZIONE GENERALE DI SANITA' MILITARE

M.4/552/I.S. di protocollo
Divisione 2a - Sezione 1a

P.M. 3800, li 22 Feb/45

To all Theatre Military Commands

AI COMANDI MILITARI TERRITORIALI
ALLA DELEGAZIONE "I" DEL S.M.R.E. To Delegazione I S.M.R.E.
AI COMANDI DEI GRUPPI DI COMBATTIMENTO E DIVISIONI — TUTTI

e, per conoscenza:

AL MINISTERO DELL'INTERNO - DIREZ.GEN.SANITA' PUBBLICA — R O M A
AL MINISTERO MARINA - DIREZ.GEN.SANITA' M/RE M/MA — R O M A
AL MINISTERO DELL'AERONAUTICA - DIREZIONE SANITA' — R O M A
ALLO STATO MAGGIORE GENERALE — P.M. 3800
ALLO STATO MAGGIORE R.E. - UFFICIO SERVIZI — P.M. 3800
ALL'ALTO COMMISSARIO PER LA SICILIA — PALERMO
ALL'ALTO COMMISSARIO PER LA SARDEGNA — CAGLIARI
ALLA LAND FORCES SUB COMMISSION A.C. (M.M.I.A.) — R O M A

TRANSLATION

FROM:- MINISTRY OF WAR. REF No 4/552/I.S.

TO :- CIRCULAR LETTER. 22 Feb/45

ANTI MALARIA CAMPAIN - HYGIENIC - PREVENTIVE DISCIPLINE
SMALL SCALE SANITATION.

With the onset of the Malarial period it is necessary for all units, and especially those in Malarial areas to initiate as soon as possible the preventive measures best adopted to oppose and fight the spreading of the desease.

Declassified E.O. 12356 Section 3.3/NND No. 785020

T R A N S L A T I O N

FROM:- MINISTRY OF WAR. RMT N° 4/502/I.S.

22 Feb/45

TO :- CIRCULAR LETTER.

ANTI MALARIA CAMPAIN - HYGIENIC - PREVENTIVE DISCIPLINE SMALL SCALE SANITATION.

With the onset of the Malarial period it is necessary for all units, and especially those in Malarial areas to initiate as soon as possible the preventive measures best adapted to oppose and fight the spreading of the desease.

The abandonment and destruction, almost everywhere of the large scale anti-malarial works, completed or being completed, the defacing of the soil owing to the war, which is frequent in the liberated areas of Italy, the lack of, or inefficient work to improve the ground by (small local anti-malarial measures) the posting of large units and civilians from one place to another, the carelessness in the upkeep of the mechanical means of defense, have largely contributed to the reforming of ~~no small~~ MANY numbers of malaria focal points (previously decreasing) and the increase of others, this being ascertained by the high percentage of cases of primitive malaria in the last three years.

Consideration of such facts and experience gained during the last campain, confirm the necessity of a decisive and direct intervention by all the commands, intended to help and complete the work carried out by the Medical Units, not only for the safety of personal health, but for the physical efficiency of the troops, but, also to limit as much as possible, the creation of new malaria focal areas in our land.

So as to obtain the best results from the whole of the means employed in the Anti malarial campain, it is necessary that a

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Declassified E.O. 12356 Section 3.3/NND No. 785020

Allegato A (contd)

A

constant and strict hygienic and preventive discipline will be enforced and thus the cooperation and determined participation by all officers, so that the problem is not only faced in all its easy aspects, but also with tenacity and firmness and with the full understanding of the necessity to carry it out.

Inc. The utility of the training courses, taking place during the epidemic period by some territorial Medical Directorates for officers of the services, is well shown by the results obtained, in the most heavily striken areas. The officers who have attended have been active in spreading propaganda amongst the troops, of the necessity of the continuous observation and scrupulously actualisation to carry out the various preventive methods.

We therefore, affirm that, the directorates ~~form~~ will hold short anti Malarical courses of a purely practical and demonstrative character. For officers and NCOs of the services, on the application of anti malarical control measures.

The Medical Directorate General have started to collect the data needed for census of troops having malaria either primitive or chronic, which have been shown as relapses during the last four years, with intention to make them undergo during the month of April (preepidemic phase) their improved Anti malarial treatment: In order to carry this out the first particular instructions have be been issued according to the availability of chemical means.

Besides the A/M treatment and the successive preventive measures to be taken by troops in malarial areas as regard to which rules and regulation (will also be issued), we impress on everybody the necessity to carry out local unit, measures of clearance of ground and rivers which constitute a fundamental means in the Anti malarial campain and for which we require the maximum collaboration from all the Commands.

It is necessary:-

1. To ascertain by ground reconnaissance (by Hygiene officer) in each of the locality where troops are billetted, the malarial areas and the grade of endemic malaria), making topomalarial charts of malarious areas (a copy of which is to be sent to the Military Medical General Directorate), and the necessary contacts will be made with the local civilian Authorities.

Declassified E.O. 12356 Section 3.3/NND No. 785020

April (preepidemic phase) their improved Anti malarial treatment: In order to carry this out the first particular instructions have be been issued according to the availability of chemical means.

Besides the A/M treatment and the successive preventive measures to be taken by troops in malarial areas, as regard to which rules and regulation (will also be issued), we impress on everybody the necessity to carry out local unit, measures of clearance of ground and rivers which constitute a fundamental means in the Anti malarial campain and for which we require the maximum collaboration from all the Commands.

It is necessary:-

1. To accertain by ground reconnaissance (by hygiene officer) in each of the locality where troops are billetted, the malarial areas and the grade of endemic malaria), making topomalarial charts of malarious areas (a copy of which is to be sent to the Military Medical General Directorate), and the necessary contacts will be made with the local civilian Authorities.

2. To formulate in relation to the a/m investigations on a concrete plan in which the following measures will be studied.

a) Ground amelioration and drainage.

b) Checking and reorganisation by all the available means, the prophylaxis (collective and individual).

c) Returns to this Ministry (Directorate General Medical Services) showing the requirements for the anti-malarial campaign (anti-larva - anti-mosquitoes - chemical prophylaxis therapy).

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d) Instruction of unit squads to be employed on ground amelioration. These squads organically formed in each unit and well choosen will have to be put through a rapid and practical training period by the regional Medical Directorate who will employ for this purpose the qualified Medical officer having a good knowledge of the malaria problem. The small scale ground amelioration if carried out correctly, accurately and in the preepidemic period will obtain

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Cff. A(contd)

good results. It is well to bear in mind that any collection of water clear or not, static or running, when there is vegetation or other means of obstructing the current, will provide a breeding ground mosquitoes.

The small pools, the swamps, the brooks, the vegetation on the edges of the streams, and of the large or small vegetation canals, are all breeding places for the Anopheline larvae. Lakes, rice fields, drains, drinking troughs, water tanks, artificial and natural, irrigation basins etc, can all be potent breeding areas.

The malaria squads will be trained therefore, in the following work:-

a) filling depression of grounds

b) drainage of static water

c) control, clearing, and supervision of all collections of water within a radius of 3 Km around buildings or camps.

d) laying of malarial and Paris Green and other anti larvae material

e) use wherever possible of larvea eating fishes control and maintenance of mechanical means for Malaria control campaign.

I am certain that, for the approaching Malaria campaign, the Medical Directorates will not lack moral and practical collaboration from all the Commands and only thus will it be possible to obtain a good preventive discipline with favourable results.

CASATI

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e) use wherever possible of larvae eating fishes control and maintenance of mechanical means for Malaria control campaign.

I am certain that, for the approaching Malaria campaign, the Medical Directorates will not lack moral and practical collaboration from all the Commands and only thus will it be possible to obtain a good preventive discipline with favourable results.

CASATI

Declassified E.O. 12356 Section 3.3/NND No. 785020

App. B

Inter- Office Memorandum

Subject: Malaria - Equipment of Italian Units

From: MEDICAL

To: [illegible]

M/2A/1144

17 March 45.

1. Last year instructions and issues of equipment to the different categories of Italian troops varied considerably. It was unavoidable that in some areas all categories were interspersed. As the orders on discipline are to some extent dependent on the availability of materials, the following comments and queries are made.

2. [illegible] (Atebrin)

(a) Last year British orders were "mepacrine in malarious areas only". American orders were "all troops will take atebrine".

(b) It is assumed that the British commitment through Italian medical supply channels will cover [illegible] (combat) [illegible] (service), [illegible], Italian Navy ashore and [illegible] and [illegible] Air Force.

(c) Stocks of mepacrine in Italian Depots are 25 millions and will cover the first few months requirements. Future demands depend on policy in para 2.2(a)

3. [illegible]

(a) Have never been an Italian Army supply and no stocks are held except 26,000 issued to combat troops last year. Enquiries are being made whether or not these are still held.

(b) Will mosquito nets be issued to:-

(i) [illegible] (Combat)
(ii) [illegible] (Service)
(iii) [illegible] (Service)
(iv) [illegible] units working with Allies, e.g. Guard Battalions.
(v) [illegible] units located in areas with Allied troops.
(vi) [illegible] units in any Sardinia or Calabria
(vii) All categories of hospitals for malarial patients.

4. [illegible]

Approximately 40,000 of each of these items are held in Italian Depots and should be sufficient to cover needs of all Italian units for guard duties in malarious areas.

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in para 2.2(a)

3. HEAVY DUTY NETS

(a) There never been an Italian Army supply and no stocks are held except 26,000 issued to combat troops last year. Enquiries are being made whether or not these are still held.

(b) Will mosquito nets be issued to:-

(i) BB-ITI (Combat)
(ii) BB-ITI (Service)
(iii) BC-ITI (Service)
(iv) ITI-ITI units serving with Armies, e.g. Guard Battalions.
(v) ITI-ITI units located in areas with Allied troops.
(vi) ITI-ITI units in say Sardinia or Calabria
(vii) All categories of hospitals for malarial patients.

4. VEILS AND GAUNTLETS

Approximately 10,000 of each of these items are held in Italian Depots and should be sufficient to cover needs of all Italian units for guard duties in malarious areas.

5. ANTI-MOSQUITO CREAM (or liquid), ANTI-MOSQUITO SPRAY, REPELLENT, FOOD GRADE

(a) Supplies of these items are already held authorised for issue to BB-ITI and ITI-ITI categories. Present scale is sufficient for all needs. Certain quantities surplus from last year are held in Italian Medical Depot Stores.

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(b) Will similar issues be made to BC-ITIs?

6. GAUNTLETS

(a) 80 slacks - two pairs - have been authorised for issue to BB-ITI (Combat) and BB-ITI (Service) units.

(b) Presumably similar issue will be made to BC-ITIs.

(c) What will be the policy for ITI-ITI units especially if working alongside Allied units?

7. SPRAY PUMPS

(a) Stocks are practically nil and few are available in the civil market.

(b) Will issues be made of these items? On what scale? And to which categories of Italian troops?

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8. [illegible]

Fair supply available in Italian Depots.

9. [illegible]

Will any supplies be available for hospital and barrack buildings. Italian stocks nil - estimated requirements about 7,000 sq. yards. It is considered that issues to all categories of medical units should be approved.

10. [illegible]

(a) Except in the newly formed Combat Groups there is no equivalent of an A.M.C.U. in the Italian Army. Italian Red Cross and civil authorities previously carried out this type of work and did so last year under the direction of Public Health Sub Commission.

(b) Equipment of this nature is scanty and the majority is located in Sardinia, Sicily and Calabria where it will still be required.

(c) Formation of Italian Army A.M.C.Us. (other than the Platoons with Combat Groups) working under Italian Army direction will lead to a duplication of units and equipment and does not appear practical owing to the interoperation of Italian Service Units with Allied troops. It will however, still be necessary for Italian Medical Corps to co-ordinate on the behalf of the Allied A.M.C.Us. the work of Italian labour squads. Possible an Italian increment to an Allied AMCU may be the best solution. Equipment could then be drawn as necessary by the Allied unit.

(d) For these reasons, no request is made at present for equipment of this nature. ~~in respect of the Italian A.M.C.U.~~

11. A copy of these notes is being forwarded to [illegible] for information and, in particular, advice on para 9.

W.A.D.

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

/SSG

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by the United States.

(a) For these reasons, no request is made at present for equipment of this nature ~~in respect of the Italian Units~~.

11. A copy of these notes is being forwarded to [illegible] for information and, in particular, advice on para 9.

W.G.H.

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

/[illegible]

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Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCES HEADQUARTERS
OFFICE OF THE SURGEON
C.M.F.

Subject:- Malaria Instruction. Ref:- M.6234.

To:- Deputy Assistant Director of Medical Services,
Land Forces Sub Commission,
Allied Commission (M.M.I.A.),
Rome.

Will you please state the present position with regard to instruction of personnel of the Gruppi in Malaria prevention and control.

H.D. Chalke, Lieut-Colonel, A.D.H.,
for Major-General,
Surgeon, D.M.S., A.F.H.Q.

12 Mar.45.
HDC/FP.

14/29/107
1652

Declassified E.O. 12356 Section 3.3/NND No. 785020

Translation

FROM: War Ministry
TO: All Mil. Terr. H.Q. Med. Dir.
MMIA for info.

REF: 4/746/I.S.
DATE: 4 March 46.

M/2A/11 50

File WAR 17/3

Subject: Intravenous adrenaline therapy for malarious infections.

(6)

During last year's epidemic period, 876 military malaria cases were given adrenaline therapeutic treatment, intravenously, according to the "ASCOLI" method, in 12 hospital units formed by the various regional Medical Directorates from ~~two~~ medical personnel who had attended appropriate courses for specialisation in the method.

From reports received on the subject by this ~~Ministry~~ Directorate - General and the whole of the results of the clinical statistics prepared, it appears that:

- the application of the method requires a previous and scrupulous clinical examination of the patient, in order to be able to exclude from treatment the malarious cases which also show weaknesses of the cardio-vascular, renal or respiratory organs, or accentuated decline or cachexy. This examination must be completed by necessary laboratory tests especially in respect of the "crasi"

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sanguigna and the arterial pressure.

- the tolerance appeared, on the whole, satisfactory. For what may be confirmed, in nearly all of the cases treated, the noted, temporary "crisette adrenalinica" with tremors, pallor, "oppressione precordiale", "cefalea", "tachicardia, and sometimes "aritmia". The occurrences of intolerance, met with in some cases, led on such occasions to the suspension of treatment. According to one of the unit chiefs, the maximum dose to be used should be 1/50 mgr. of adrenalin, in that it is held that larger doses could cause harm to the ~~respiratory apparatus~~ circulatory system.

- Reoccurrences and relapses in the course of therapy are frequent and have sometimes been noted even after ~~treatment~~ one or two months from the end of the cure.

- the ~~splenomegalic~~ reduction has been generally noted, in practically complete form in the recent cases of malaria; while in the cases of "splenomegalie voluminose" and of older date, it has been partial and sometimes lacking. A reseparation of the spleen ~~has~~ up to its initial size has also been met with in some cases of relapse.

- on the whole, during the course of treatments, there has been an improvement, more or

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less appreciable, in the general condition.
- it is not possible to express a decisive judgement
or the saving, or less, of quinine; also because
of the fact that not all dept. heads held to
the rule (fixed by ASCOLI) of limiting the issue
of it only to the fever phases and have instead
followed various personal principles and
ideas.
- the possibility of following up the patients
treated, for a convenient time, being, in most
cases, lacking, ~~[illegible]~~ there is no definite
principle regarding the results some time
after the treatment.

The whole of the clinical notes compiled
and the results obtained, lead to the opinion
that the therapeutic method in question,
when it can be entrusted to personnel who
are truly expert and can constantly follow
the patients and the course of the cure, can
succeed in being of assistance in certain
cases. There is, therefore, no objection to,
following competent decisions by dept. heads,
who must, however, consider themselves masters
of the special technique, resorting to, in
normal malaria units, the employment of
the "ASCOLI" method, in those cases for
which their experience makes them reasonably

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sure of an efficacious cure and advises the
adoption of it to the benefit of the patient.

Sgd. CALDAROLA.
Gen.

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Secret Message

150335A

From: MEGA

To: 52 XLU 53 XLU

Info: AFHQ 15 ARMY GROUP FEPOA AIRCE USAR RIKUGUN ARMY

NINETYCLOSED

M 4105

FOR ARNOLD (.) FOLLOWING AID LEGEND WERE ISSUED WITH MOSQUITO FIRES LAST YEAR (.) COMMUNE IS STILL IN THEIR POSSESSION AND NUMBERS HELD

Precedence IMPORTANT

Authenticated W. C. Hoyt, Major.

1647

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Telex

Translation

From, M. of W.

Ref. 4/766/15

To. M.M.S.L. for information

8/3/45

Subject: Mosquito Nets

The Allied authorities distributed to A/M H.Q. during the malarial season 1944, large quantities of mosquito nets, face veils, and protective gloves (approx 20000 mosquito nets to C.I.L.)

It is stated that on the close of the malaria season, the said mosquito nets were withdrawn and sent into stores as prescribed.

It is necessary that A/M nets are available for the next Anti malarial campaign, and we ask you to give us as quickly as possible any information concerning this matter in order also to ascertain the administrative responsibility regarding waste of mosquito nets.

By order - Head of Div
Medical Col.
(MAUGERI)

E D'Inveno

Attn

12/3 Tele

W.A.H.

M/PA/1044

1646

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3

Subject: Mepacrine

Land Forces Sub Comm.
A.C. (MMIA)
RCMR
M/24/673
18 Feb 45

DMS AFHQ

Present stocks of mepacrine tablets and equivalent compounds in Italian Depots are 25 million.

Assuming that mepacrine is to be taken in malarious areas only, our total requirements from British sources will be 15 million. If, on the other hand, it is ruled that mepacrine must be taken by all troops, then requirements will be 33 millions.

This estimate covers prophylactic measures for BR-ITI, ITI-ITI, Italian Air Force and Italian Navy.

Major,
D.A.D.M.S.
Land Forces Sub Comm. AC. (MMIA)

/RDG

1645

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Translation.

From:- M. of W.
To:- All Med. Direct. of Territorial HQs.
Del. T SMRE.
228 Dir.
for information to:-
MMIB.

Ref.- 4/551/D.S.
Date.- 23rd Feb 45.

Subject:- Prophylatic requirements and cure for 1945 Anti-malaria Campaign.

Hot Sol.

Further to instructions laid down in signal 4/548/D.S. dated 22nd inst addressed to all Med. Directorates of Territorial HQs, it is pointed out that the summary demands of prophylatic requirements and cure for the next anti malaria campaign, will be completed taking into account forseen locations for troops which are in malarious areas or suspected of being malarious areas.

As carried out during 1943 & 1944 anti malaria campaigns, the quinine, under any form (powder, tablets and flasks) will have to be kept exclusively for the therapy of malaria patients.

However, the requirement for the chemical prophylaxis should be considered, as done in the previous periods, in tablets of mepacrine at the rate of one tablet per day per man as from the 1st May to 31st October.

The whole of the requirements of anti malaria products will be calculated approximately basis.

Med. Direct. of Territorial HQs will include in their respective demands also the quantities needed by Combat Groups, Divisions, Md. Sec. Italian Units who are located in the area under their jurisdiction, mentioning, however, the exact quantities requested for each considered unit.

1644

MBA/870

P.T.O.

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in the same column,

Moreover, the demands will show in the proper column, quantities in stock at the time in the Med. Depots depending directly under the respective hospitals.

In such way, subtracting from the figure in the column showing the total requirement, the figure of quantities in ~~stock~~ stock and alone, the quantities which have to be supplied by this Ministry, will be clearly shown in the proper column.

Owing to the approach of the epidemic malaria season, it is necessary that data requested, reach this office not later ~~than~~ than 10th March 45, in order to allow the time to secure the supplies requested.

Kindly acknowledge receipt.

(Sgd) F. CALDAROLA.

Sjt. FABRE.

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Subject: Anti-Malarial Equipment for BR-ITIS

Land Forces Sub Comm. A.C.
(M. M. I. A.) ROME
Q/OS/20

15 Feb 45.

A. F. H. Q.

1. Reference your AFHQ/9062/Q(AF) dated 9 Feb 45.

2. As far as items of medical supply are concerned, the Italians have sufficient stocks. Mosquito nets have never been an item of supply to the Italian Army and in consequence no stocks exist. There are quantities of such items as sprays and veils available and the War Ministery are investigating stocks.

3. As soon as their reply is to hand, we will communicate further.

A. J. HEAD, Major,
for Major General,
M. M. I. A.

AJH/wk

Copies to: AQ
Med
AK

File
Pending Will.

WO 204/633
1643