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L O.'s Reports

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L O.'s Reports

711
757

51 B L U.

Sept. - Oct. 1944

Subject :- Engineering

To :-

Chief Engineer

Engineering Division

Copy to the General Manager

By MR. A. R. RAO

10/10/44

05

RE

Provision for training all engineer personnel of the Division will be made out on the following basis.

- 1 (a) Engineering
 - (i) Courses are available as listed in Appendix A
 - (ii) The training course for a platoon is attached in Appendix B. It is a 6 day course
 - (iii) 2 classes (of a platoon each) will be run at the same time. The classes will be staggered by 5 days to make the best use of the equipment available
 - (iv) Training will commence on 15/10/44
- (b) Engineering
 - (i) Equipment now available is :-
 2 x 1/2 c/l 40 Bridge (with reaction gear)
 Miscellaneous stores - coils, wire, etc.
 - (ii) A 3 1/2 day course for a platoon, as laid down in my G.S. of 8/10/44, is already being run from 10/10/44 to 13/10/44 as per attached programme (Appendix C)
 - (iii) It is intended to collect further equipment on 15/10/44 and 16/10/44 to enable 150' 1/2 day bridge to be constructed
 - (iv) A 6 day course for per attached programme (Appendix D) will then be taken into effect; 2 classes of a platoon each being run simultaneously
 - (v) Training on the 6 day course will commence on 16/10/44.

- (c) Exclusives
 - (i) Courses available are as listed in Appendix B, now awaiting collection at PUNJAB Division
 - (ii) A 2 day course for a 1/2 platoon is attached at Appendix E
 - (iii) 2 classes will be run simultaneously
 - (iv) Training will commence on 16/10/44

- 2 (i) Notes for instructions are attached at Appendix G. They are for guidance only and are not intended to be fully comprehensive. Please they may even the S. R. R. procedure, the latter will be the one which is taught.
- (ii) Instructions will make out their own notes
- (iii) Any further information or assistance required by the instructors will be readily given.

- 3 (i) The following instructions are available on per S. R. R. letter, and suggested distribution of these into training hours is :-

757

General
 { New Equipment
 { New Equipment
 { New Equipment
 { New Equipment

General
 { New Equipment
 { New Equipment
 { New Equipment
 { New Equipment

{ Not Yet Received

{ Not Yet Received

1781

- (14) The training course for a platoon is attached in Appendix B. It is a 6 day course.
- (15) 2 classes (of a platoon each) will be run at the same time. The classes will be separated by 5 days to train the second unit of the equipment available.
- (16) Training will commence on 15 Oct 44.
- (b) Infantry
- (1) Equipment is available in the form of 1/100 bridge (with machine gun), 1/100 machine gun, 1/100 machine gun, 1/100 machine gun, etc.
- (2) A 31 day course for a platoon, in full form in 1/100 of 1/100/44, is already being run from 1/100/44 to 12/10/44 as per attached program (Appendix C).
- (3) It is intended to collect further equipment on 12/10/44 and 14/10/44 to enable 131 5/8 brigades to be completed.
- (4) A 6 day course as per attached program (Appendix D) will then be taken into effect; 2 classes of a platoon each being run simultaneously.
- (5) Training on the 6 day course will commence on 16/10/44.

(c) Explosives

- (1) Stores available are as listed in Appendix B, now awaiting collection at 1/100/44 Division.
- (2) A 2 day course for a 1/2 platoon is attached at Appendix E.
- (3) 2 classes will be run simultaneously.
- (4) Training will commence on 16/10/44.

- 2 (4) Notes for instructors are attached at Appendix B. They are for guidance only and are not intended to be fully comprehensive. There are many from the 8 M M procedure, the latter will be the one which is taught.
- (5) Instructors will note out their own notes.
- (6) Any further information or assistance required by the instructors will be readily given.

- 3 (1) The following instructions are available as per 8 M M B letter, and a suggested distribution of these into training teams is:

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Mine Warfare	<u>Explosive</u> 1st Lt. C. J. J. J. 1st Lt. C. J. J. J. 1st Lt. C. J. J. J.	<u>Platoon</u> 1st Lt. C. J. J. J. 1st Lt. C. J. J. J. 1st Lt. C. J. J. J.
Railway Bridge	1st Lt. C. J. J. J. 1st Lt. C. J. J. J. 1st Lt. C. J. J. J.	1st Lt. C. J. J. J. 1st Lt. C. J. J. J. 1st Lt. C. J. J. J.
Explosives	1st Lt. C. J. J. J. 1st Lt. C. J. J. J. 1st Lt. C. J. J. J.	1st Lt. C. J. J. J. 1st Lt. C. J. J. J. 1st Lt. C. J. J. J.

/No sheet 2

- 2 -

1st Lt. (cont)

- 3 (cont) (12) The instructors of PHOENIX DIVISION are mostly with the PHOENIX division at present. They are authorized to assist in the training of CHESONA division until 7/11/44, by JMWI signal 351 of 9/10/44.
- (13) Immediate steps will be taken to collect all these instructors as soon as possible with the exception of Sgt Tom HAPPA and Serg HIGGINS who may remain with PHOENIX division till 12/10/44.

PHOENIX
16 Oct 44
JMWI

J. F. Coste

Capt
SOEN
1st British Liaison Unit

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APPENDIX "A"MINES AVAILABLE

Mines A/S: British Mk II	4
" " Mk IV	5
" " Mk V	310
American Mk I	=
Mines b/Tare British Mk I	25
" " Mk II	12
American Mk I	4
Switches British No. 1 Full	25
" " No. 2 Pressure	25
" " No. 3 Balance	25
" " No. 4 A/Tare	20
" " No. 5 Delay	=
" " Time Delay	10
Prepared Charges British Class	10
" " Bridge	10
Iron wire	yds 300
Grenades No. 75	12
Rollermines	50
Bolshmines	50
"3" mines with S.M.I. & 55 Igniters	50
25 Igniters	50
25 Igniters	50
Rollermines	4
Italian wood mine mines	
Mine Field marking stones	1 out
Alarm wire	20 coils
Barbed wire	10 coils
Pickets 6 iron long	500
" " short	500
Tracing tapes 2 500'	12
Measure string	6
Tapes measuring 100'	1
Picks	6
Shovels S.S.	3
Outline wire folding	12

J F Cooke

Capt RE

750.4

Appendix B.

MINES - 5 Days

CLASS OF 50 MEN

(Classes staggered by 3 days)

	<u>Lecture</u>	<u>Practical</u>	<u>Days</u>
1. Min. and Introductory	1 hr		
2. Allied M/T Mines	1		
3. Laying M/T Minefield without transport	1	3 hrs	1
4. "do" "do"	1		
5. Allied M/T Mines		1	
6. Laying Allied M/T Mines		1	
7. Laying M/T Minefield with transport, & record it	1	3	2
8. British switches			
9. Laying M/T Minefield with transport. Including M/T Mine. Record it.		1	
10. Rusty laying of M/T Minefield		2	
11. German M/T Mines and Igniters for	1		
12. German M/T Mines and Igniters for	1	1	3
13. Laying and Lifting German M/T Mines	1	1	
14. German Igniters		1	
15. Lift German M/T Mines (booby trapped)	1		
16. German grenades		1	
17. Handling all mines (1/2 class does 18)		1	
18. Laying & Lifting booby traps in buildings (1/2 class does 17)	1	1	4
19. Detectors		1	
20. Detectors - handling of	1		
21. Capping with Detectors		3	
22. Capping with Detectors		1	
23. Handling all mines (blindfolded)		2	
24. Capping with Detectors	1		5
25. Improvised mines		1	
26. Handling all mines (blindfolded)		3	
27. Capping - prodding	2	1	6
28. Quiz			
29. Night Capping			

J. T. Coyle

Capt
S.M.

"B" British Liaison Unit

Oct 44
J.T.C.

754

BATTERY BUILDING COURSE 4 DAYS.APC.CLASS OF 50 MEN.

	<u>THEORY</u>	<u>PRACTICAL</u>	<u>DAYS</u>
1. Admin and Introductory	1		1
2. Names of Parts		1	
3. Build 50' D/S bridge slow time and dismantle		5	
4. Getting out of sites	1		2
5. Build 80' D/S Bridge and dismantle		6	
6. Build 30' of D/S construction and dismantle		2	
7. Build 60' D/S bridge with cantilever launch and dismantle		6	3
8. Carriage of Bailey - lorry loads		1	
9. Bailey Panel Piers - horizontal type		2	4
40. (1/2 class do 10)			
10. Bailey Bridge Panel Piers - vertical type.		2	
10. (1/2 class do 9)			

Field.
Oct 12
JFC/PMH

J. F. Cooke

Captain
SO EE

Appendix DBRITISH MILITARY BRIDGESCLASS. 08.50.1000

	<u>Location</u>	<u>Equipment</u>	<u>Notes</u>
1. Atch and Introductory	1 hr		
2. Names of parts		1 hr	1
3. Build 50' 2 1/2 bridge in slow time and dismantle		5	
4. Organisation of building parties	1		
5. Build 80' 2 1/2 bridge and dismantle		6	2
6. Types of construction and load carrying capacities			
7. Build 60' 1 1/2 bridge with counterover launch		5	3
8. Setting out of sites	1		
9. Build 150' 1 1/2 bridge (2 hours at night)		8	4
10. Construct 150' 1 1/2 bridge and dismantle		8	5
11. Build Bailey Panel Pier horizontal type and dismantle. (2 classes combined)		2	
12. Build Bailey Panel Pier vertical type and dismantle. (2 classes combined)		2	6
13. Carriage of Bailey bridge - lorry loads		2	
14. Clean and grease all stores		2	

V. F. GaskCapt
Genl
The British Liaison UnitOct 14
JFG/NT

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APPENDIX "F"

EXPLOSIVES - QUANTITIES AVAILABLE

Ammonal bulk	lbs	500
" 4 oz charges	"	150
Nobels 808	"	200
Plastic High Explosive	"	120
C-6 slabs		210
C-6 Primers		500
Cord	ft	5000
Safety Fuse	"	400
Detonators No. 27		500
No. 35		100
Matches Fuses	Boxes	25
Beclives		60
Regulators		40
Fuse Instructions	ft	200
Caligite	lbs	300
Cable (double)	yds	100

J. T. Costello
Capt RE

Appendix F

	Aspirin	Ammonia	Dist
1. Acid and base			
2. Theory of acids/bases, strong acids/bases	1		
3. Buffering agents and their uses	1		
4. Buffering capacity, pH, buffer range			
5. Construction and calibration	1		
6. Titration procedure, indicators (2 chapters 7)		1(1)	
7. Error calculation, standard deviation (2 chapters 8)		1(1)	
8. pH and conductivity	1		
9. Ammonia, 808 and P H H	1		
10. Ammonia synthesis - 811			
11. Ammonia storage	1		
12. Ammonia analysis	1		
13. Ammonia	1		
14. Ammonia to H ₂ and other gases, general outgassing and nitrogen			
15. Ammonia			

J. F. Castle

Original
10/1/55
10/1/55
10/1/55

Oct 14
10/1/55

3. MINES A/2K MINE DETECTION

- (a) In the case of the mine, it is usually in detail.
- (b) In the case of the mine, it is in detail.
- (c) In the case of the mine, it is in detail.

and the following procedure

4. LAYING A/2K MINE DETECTION - MINES

- (1) Subject of field - an obstacle to delay enemy advance
- (2) Laid all obstacles must be covered by fire.
- (3) Frequently laid by night or in rain
- (4) Not concealed but can be laid on surface in emergency
- (5) Mines must always be wired off to prevent any other dangers to field.
- (6) Very important to record field accurately so that:-
 - (a) Mines can be lifted quickly & safely in an emergency
 - (b) After lifting, the area can be guaranteed safe.

Mines are laid in rows usually 4 line per yard of front 5 rows (1.0. mine 5 yards apart in each row). Rows are not less than 5 yards apart.

Method of laying

Datum line at end of field - laying bags
Rows are laid off at right angles from measured distances along datum line (datum points). Rows are laid at say 5 yards interval in each row starting at any distance from 1 to 5 yards from the datum points (different in each row)

Organisation of work

Mines are dug along rear edge of field.
In each row a separate party as follows:- H.Q.O. in charge, 4 carriers, 1000 men, shovel men, fuser, 1 layer, (explain functions of each). Parties of each man, wiring party

Equipment

Distance and bearing of end of datum line from last/first.
Bearing of datum line.
Distances along datum line of datum points
Numbers of mines in field.
Good sketch.

4. LAYING A/2K MINE DETECTION - MINES

Mines are already dug as 6' high having been unloaded from trucks.
Carry mines and wire to form guard along rear edge of field.

Carry down and detail parties:-

- (a) Setting out party - "officer", H.Q.O. and 5 men
- (b) 2 wiring parties each - 1 H.Q.O. and 2 men
- (c) 5 parties for rows each 1 H.Q.O., 1 power, 3 carriers, 1000 men, 1 layer

Explain duties to parties

Class watches while:-

749

749

- (2) Object of field - an obstacle to enemy entry.
- (3) Mine all contained must be covered by fire.
- (4) Frequent lay by night on mine in emergency.
- (5) Post concealed but can be laid on mine in emergency.
- (6) Mine must always be fired off to prevent any other direction to mine.
- (7) Very important to record mine accurately so that it can be laid on mine.
- (8) Mine can be laid on mine in emergency.
- (9) After laying, the area can be guaranteed safe.

Mines are laid in rows usually 1 meter apart of about 3 rows (A.C. mine 5 yards apart in each row). Mines are not less than 5 yards apart.

Method of laying
 Mines are laid in rows and in field - between bags. Rows are laid out at right angles from measured distances along datum line (datum points). Rows are laid at say 5 yards interval in each row starting at any distance from 1 to 5 yards from the datum points (different in each row).

Organisation of work
 Mines are laid along rear edge of field. In each row a separate party as follows :- H.Q.C. in charge, 4 carriers, 1 pick man, 1 wire man, 1 fusee, 1 layer, (usually 3 directions of work). Duties of each man. Working party. Recording.

Landmark
 Distance and bearing of end of datum line from landmarks. Bearing of datum line. Distances along datum line of datum points. Numbers of mine in field. Cord mine.

4. LAYING A/25 MINE FIELD WITHOUT TRAINING - PRACTICAL

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Mines are already dumped on ground having been unloaded from trucks. Carry mines and wire to form dunes along rear side of field.

- Parade class and detail parties :-
- (a) Setting out party - "officer", H.Q.C. and 5 men
 - (b) 2 Working parties each - 1 H.Q.C. and 2 men
 - (c) 3 parties for rows each 1 H.Q.C., 1 pick, 3 carriers, pick/shovel, 1 fusee, 1 layer

Regulate duties to parties

Clear watches while :-
 (a) Setting out party works
 (b) One row party works

Pick up mines laid by (b)

Class lays field consists 200 yds long. Repeat if time available. Restock stores and check that all mines and fuses have been returned.

Notes :- During work, safety pins will not be removed from fuses.

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12. GENERAL A/IN. HUNTER A. LEWIS
New York with 3 H.A. 3 and 12.1 wires
Colombia

Contract Blanking procedure

15. DATA GENERAL A/IN. HUNTER (note: blanked)
Half class left distance and the other half listen
Change over

20. DETECTORS - HUNTER A.
Class positions being and sweeping. Also sweeping in three for an 8 yd gap.
(1/2 class can go on to lecture H. and then change over)

21. GOING TO THE UNIVERSITY
Under
To make 8 yd lane through a disturbed as quickly as possible, and then
change 16 to 15 yds width.
Organization is for a 21

ALWAYS PARTY
Under

- To select the site for the coming operation
- To establish starting line
- To proceed through field
- To mark the center line at far and end at rear end with stakes (or
lights by night)
- To mark position for arrow tape

- 1 off in charge
- 1 H.C.O.
- 1 man
- 2 men
- directs party
- runner for party
- detector man and another

No. 1 Party
Duties

- 1 H.C.O. in charge
- 3 men
- 3 men
- 1 man
- 2 men
- Taping
- Detector man with reels of tapes worn on their bodies
- These men are faced together at 8 yd intervals
- markers. Also pin down tapes, digger into wires, and
run out across tapes
- Runner for H.C.O.
- Spare. Idle down at start line.

On completion of taping, party returns down center tape to assembly area.
Re-surveyors and become a detector party who work on widening the lane (to
the 16 yd) to 16 yds.

No. 2 Party
Duties

- 1 H.C.O. in charge
- 3 men
- 3 men
- 2 men
- 1 man
- Detecting and laying down in right hand lane down
start line.
- Detector men
- markers
- widening and lifting
- Runner for H.C.O.

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Start work as soon as possible having party are 15m ahead.
Detector men wait in column 15m apart sweeping left, center, and right
respectively of the right 8x lane

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to make 3 ya lane through a minefield as quickly as possible, and when
 safety it by 10 yds width.
 (Organisation is for a PL)

Advance Party

Position

- To select the site for the jumping operation.
- To establish starting line
- To proceed through field
- To mark the centre line at start and end with stakes (or
 lights by night)
- To mark position for cross tape

- 1 officer in charge
- 1 H.O.O.
- 1 man
- 2 men

- Advance party
- runner for officer
- detector man and marker

No. 1 Party

Position

- 1 H.O.O. in charge
- 3 men
- 3 men
- 1 man
- 2 men

Training

- Detector men with reels of tapes work on their backs
- These men are to be together at 3 ya intervals
- Markers. Also pin down tapes, disconnect wires, and
 run out cross tapes
- Runner for H.O.O.
- Signal. Also down at start line.

On completion of training, party returns down centre road to assembly area.
 Re-organisation and because a detector party the work on widening the lane (to
 the left) to 10 yds.

No. 2 Party

Position

- 1 H.O.O. in charge
- 3 men
- 3 men
- 2 men
- 1 man

- Detecting and lifting wires in right-hand lane from
 start line.

- Detector man
- Marker
- Lifting and lifting
- Runner for H.O.O.

Start work as soon as possible. Training party are 15x ahead.
 Detector men work in column 15x apart moving left, centre, and right
 respectively of the right 2x lane.
 Markers relieve detector men every 10 minutes
 Marker men lift by hand or by pulling with 30x of wire

No. 3 Party

Position

As for No. 2 party, but work from the centre to group last
 third of right-hand lane. Then last third of left-hand lane
 then right.

As for No. 2 party

Start work as soon as possible. Training party have returned by walking
 up centre lane into position.

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No. 4 Party
Duties

Unload, distribute, and erect gap marking stores.
Check for mines on approaches to the gap.
Replace casualties in other parties.

1 S.C.O. in charge
3 men

Appendix G (ii)

- 745

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3. THESE ARE THE FOLLOWING

THESE ARE THE FOLLOWING

(1) THESE ARE THE FOLLOWING

(2) THESE ARE THE FOLLOWING

(3) THESE ARE THE FOLLOWING

(4) THESE ARE THE FOLLOWING

(5) THESE ARE THE FOLLOWING

(6) THESE ARE THE FOLLOWING

(7) THESE ARE THE FOLLOWING

(8) THESE ARE THE FOLLOWING

and every other in which it is contained. These persons shall appear and make a statement of each party. In case of a conviction, after which it shall be possible, shall make as before proposed and available for review.

THESE ARE THE FOLLOWING

(9) THESE ARE THE FOLLOWING

(10) THESE ARE THE FOLLOWING

(11) THESE ARE THE FOLLOWING

(12) THESE ARE THE FOLLOWING

(13) THESE ARE THE FOLLOWING

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(25) THESE ARE THE FOLLOWING

(26) THESE ARE THE FOLLOWING

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- (b) [illegible]
- (c) [illegible]
- (d) [illegible]
- (e) [illegible]
- (f) [illegible]
- (g) [illegible]
- (h) [illegible]
- (i) [illegible]
- (j) [illegible]
- (k) [illegible]
- (l) [illegible]
- (m) [illegible]
- (n) [illegible]
- (o) [illegible]
- (p) [illegible]
- (q) [illegible]
- (r) [illegible]
- (s) [illegible]
- (t) [illegible]
- (u) [illegible]
- (v) [illegible]
- (w) [illegible]
- (x) [illegible]
- (y) [illegible]
- (z) [illegible]

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9. TIME TO REPAIR AND RETURN

Take the time for each class and check it up on site. (Each class should
consist of 5-10 hours including setup)

Drive vehicles over.

8. ~~By~~ ~~upon~~ ~~to~~ ~~be~~ ~~made~~ ~~known~~

Divide class into 4 parties. Put 1/4 of each.
each party makes up a list - word, looking, map, or necessary, on the ground.
All parties inspect each other.
Each party leads a map.
All parties inspect each other.

NOTES FOR INSTRUCTORS.
EXPLOSIVES COURSE.

Appendix B(iii)

General Information on Explosives

Safety Precautions

1. Always handle explosives with care.
2. No smoking.
3. Minimum number of men to be employed.
4. Instructions will be accompanied by.
5. Detonators will always be kept separate from other explosives.
6. A caretaker handles any cases the death or maiming of others as well as of the men responsible.
7. Lower time explosives with a steel container.

3. Ammonium Nitrate and Fuel Oil

Safety Precautions - Must always be clear a detonator.

Description

Galvan of 1/2 in. powder in black cylindrical cases. Burns at 3' min but may vary considerably. Will burn when wet. This is 40%. Always cut off 6" and discard it, as it may be damp. Always test tube of burning of any tin by striking a 1' length.

Use of Ammonium Nitrate

- (a) One cylindrical to square powder.
- (b) Ball made lead or powder.
- (c) Ball lead or metal head.

Ignition Time

Normal velocity is with a match. (a) One cylindrical to square powder. (b) Ball made lead or powder. (c) Ball lead or metal head. These are made in 6" length. Other methods are by force or compression.

Test Time

Description

Ammonium Nitrate (Ammonium Nitrate) at 90' sec. Cases in color.

Use of Ammonium Nitrate

Do not use match. Ignited normally by body temp. molar. Can be lit by joining to safety fuse (Ammonium Nitrate).

7. Heavy trap explosion with a small fireball.

3. Heavy Trap and Light Trap

Heavy Trap - Burns slowly to clear a detonator.

Light Trap

Column of gas rises in black unburned areas.

Burns at 21/100 in very very irregularly.

Full burn under water. Time of 41.

Always out at 6' and always at 10' as it may be deep.

Always best time of burning of new tin by firing a 4' launch.

Detonator.

Normal method in which a switch to

(a) Out directly to ground plane

(b) Field match head in water

(c) This box on match head.

Over, normal run of clear light at 6' level.

Other methods are by first of normal a light.

Detonator.

Light Trap

Detonator

Light (on the entrance) at 93/100.

Burns in water.

Booby traps.

Light Trap

Do not use match.

Ignited normally by heavy trap mechanism.

Can be lit by joining to safety line (detonator).

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How to handle the detonator

Detonators Known as "No. 27 Detonator."
 Packed 25 to a tin, with rectifier.
 Never leave detonator lying about. Always keep lid on tin.
 Always keep separate from other explosives. Do not drop a
 detonator - it may fire. Never force a detonator.
 Hold a detonator by the open end, with the closed end pointing
 away from you.

Inserting fuse into detonator (Continued).

See that open end of detonator is clear.
 Securely cap the filling with block of paper and transfer
 immediately to fuse which is then inserted to correct depth.
 Clamp with pliers gently (or jack knife).
 Take care not to nip on the filled part of the detonator.

Use cotton cotton

Necessary to build up detonation sufficiently to fire main
 charge. Packed 10 to a tin.
 Consists of dry gun cotton. Sensitive explosive and must
 not be cut.
 Must be kept dry. After use keep dry about moisture from
 the air.

Inserting detonator into primer

If hole in primer is too small it can be enlarged with the
 rectifier or any piece of hard wood (NOT iron) such as a
 pencil.
 If hole in primer is too large pack with paper or even a
 blade of grass.
 Never force detonator into primer, especially never hammer or
 twist it. End of detonator must not protrude through primer.
 Put weight on fuse to prevent curling round.

Supertons and white

Supertons Size 6" x 3" x 1 1/2". Weight 1/2 lb (hardly).
 Used for cutting charges.
 White can cut, and in that condition are safe, and can be
 cut, or with a wet saw. If allowed to dry, become
 sensitive (no for primers) as upon the 1st round.
 If cut wet, loose a lot of power.
 Placed end to end (2 lbs per foot min) will cut:-

	Steel	Aluminum	Concrete
1 layer	1"	10"	20"
2 layers (or 2 1/2"			
slab laid trans-			
versely)	2"	20"	40"
3 layers	3"	20"	60"

Must be detonated with a primer.
 Try so that 1/2" air between charge and object to be cut.

Collapsible

Cartridges of 4. cut in wood paper.
 Used normally for benching charges.
 Greenish white. Must be kept dry.
 Sensitive of nitro glycerine cutting in all steels,
 it is then very sensitive.
 A highly sensitive explosive, used with caution.
 Do not use lead, and never with steel armor. (Used for
 cutting of armor plates in ships. If nitroglycerine is mixed
 between two surfaces it may detonate).
 In emergency, can be detonated by Jatrocar alone, but use primer
 usually.

8. 2 X 2 and 3 X 2

P I D One of 2 X 2 in lead sheets.
Used for simultaneous firing of charges.
Will tolerate a primer.
Will take with 2 primers. Demonstrable.
Jointing. Demonstrable.
Preparation. No Lines.
Direction of Corrosion was preserved.
Have 1' across length always as covered only
In case of use.
Hold Fast Down Lightly.

Condition as above. Harder to use but will not stand up to bad weather
as well, as for charges to be left in place for a
long time.

12. Remedy Torpedo - Fill

Notes: One gap in wire obstacle.

Description: Length of 1" water pipe which can be joined together.
One end permanently closed by headplate. Other end with filler cap. Filling plug takes primer and presses it against base plate. Breeds are all a loose fit and can be screwed up even if badly. Head is also provided.

Filling:

1. Any of explosive will not be forced at filling point.
2. Headplate is brought to filling point as required.
3. Secure all safety precautions.
4. Procedure is:-
 - (a) Remove nose and filler cap
 - (b) Drop primer down pipe
 - (c) Fill, tamping gently with good water
 - (d) Put in a second primer so that it will be in the nose in the filler cap
 - (e) Secure threads of filler cap and nose
 - (f) Replace filler cap and nose.

Notes: If a primer is omitted, detonation is slower and torpedo loses power.
5 lengths of 1" pipe are required for carrying ready and make-up, but none can be added as the torpedo is pushed forward on wire.
Brought iron is the best material for the torpedo, as the fragmentation cuts the wire.
Cast iron is not good.

Use: The torpedo must extend for the complete width of the obstacle. It must be at right angles to the wire.
A 15 second fuse is 0.5 in operation as a test is safe lying down 10 yards away if in line with the torpedo (provided no other torpedoes on either side).
Use longer fuse in training.

71.

Electric Circuit

No. 13 Laboratory, as the No. 17 test with
 standard code,
 including code.
 Enclosure. Variable. Test firing resistance
 of explosive (medium test)
 Charge size of cylinder is charge of cylinder of
 100.
 Small battery will fire 1 Laboratory through 100
 size of double code.
 12 volt battery will fire 2 Laboratory through 100
 size of double code.

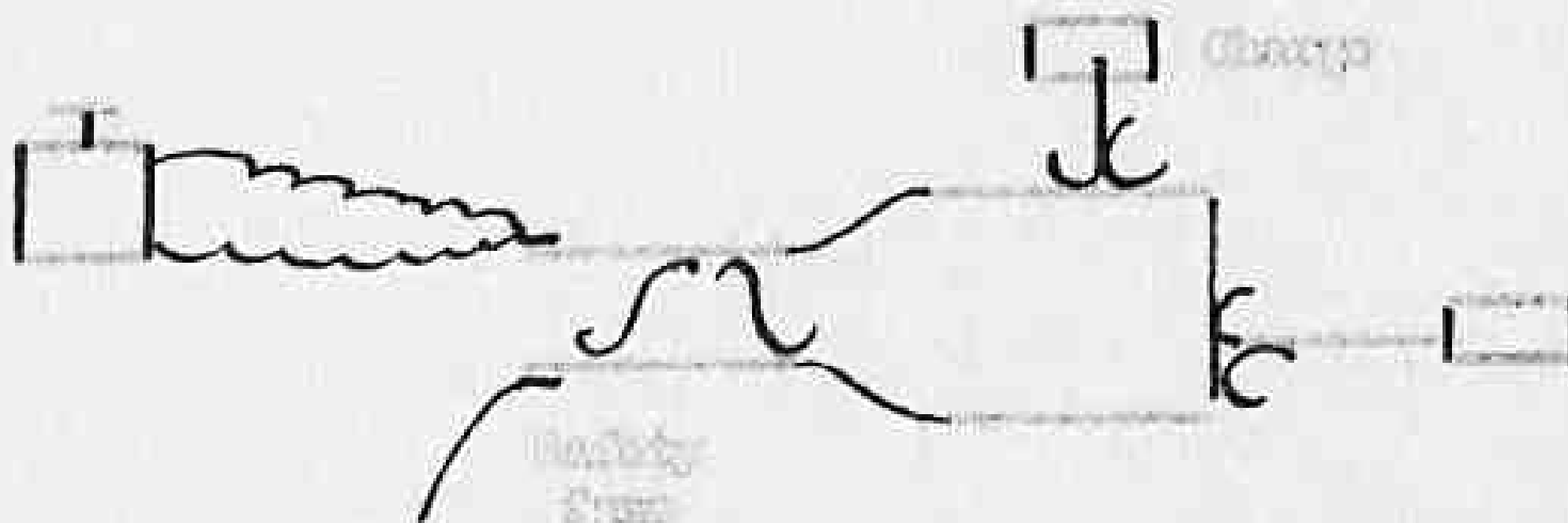
72.

Positive Circuit

Continuity test with translation test set.

73.

Map Data



J. T. Castle

Co/T RE

730

736

541. Training Stores.

54. Artillery Liaison Unit.

541. Artillery, Artillery, Artillery.

54.2

54. Artillery, Artillery.

54. Artillery.

54. Artillery.

54. Artillery.

54. Artillery.

54. Artillery, Section 54.

Further to my 26 of 26 Nov 44.

1. Herewith consolidated lists showing present position of training stores.
2. An official receipt from 54. 54. 54. is still omitted.
3. Will you please say what has become of the items marked with a star, thus + 7
4. The remaining items still outstanding are of less importance and can be considered as having been reasonably covered in training.

54. Artillery.
4. 54. 54.
54. 54.

J. F. Cooke
733
54. 54.

Equipment Inventory

Return from No. 2, West of Line.

Item	Balance in hand	Added over to 24 Nov	Balance outstanding	Remarks
Bailey Bridge:				
Panel Unit.	5	5	-	
Decking Unit.	4	4	-	
Ramp Unit.	2	2	-	
Accessory Unit.	1	1	-	
Traction gear set, less:-	1	1	-	
Jack lifting			3	
Handles for			1	
Jack chain			1	
Carrying bar			36	1 lost in flood
Plain rollers			4	
Steel bridging crane	5	5	-	
Pickets post.	20	-	20	
Anchors earth holdfast complete	2	2	-	
loose	30	30	-	
Minotfield bagging net:-				
Blue minkors	50	50	-	
Blue minkors	10	10	-	
Triangles.	4	4	-	
Tape winders 2 1/2" x 200 yards.	0	0	-	
" 5" x 900 "	4	4	-	(about issued from Depot)
Pickets wood.	5	5	-	
Tracing tapes 2 1/2" x 200 yards	15	5	10	(issued to 53 M21 with
" 6" x 500 "	1	-	4	tapes 14 Nov)
Notions - miscollections	30	25	5	issued
- plain white	25	-	25	

FORM NO. 10-10-10

72

1814

Declining Value

Business Title

Account Unit

Expectation game, Loss:

Julius Lieben

Conclusion

Stacy: 01203 600000

800-451-7329

09667 • Polym. Prepr.

School Believing online

100

bioactive compounds in the diet.

Abstract

11/20/2012 09:22 AM

RESEARCH DESIGN

Longstanding **CRIT**

Examples:

08:00 Meeting 22nd & 23rd June

$$\frac{0.06}{0.09} = \frac{2}{3}$$

● 需要の増大

Training began 2nd = 2003, ended

1000

Notices - Miscellaneous

— plain white

4. **Unit 11** 11.000

30601-1257 Dainton, 1967(2)

limited to 35 min with

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

perceptions

STOCK LIST SUMMARY
 10/10/78 10/10/78 10/10/78

Item	Quantity in hand 10/10/78	Quantity on order 10/10/78	Quantity on order 10/10/78
In hand			
Shoreline 10	2	2	2
Harpoon 10	2	2	2
Concrete			
Barbed wire, coils	40	40	40
Barbed wire, coils	35	35	35
Pickups 10/10/78	250	250	250
" " " " " "	300	300	300
" " " " " "	4000	4000	4000
Shoreline 10	50	50	50
Harpoon 10	50	50	50
Shoreline 10	2	2	2
Harpoon 10	50	50	50

10/10/78

Subject: Training Store

51 Through Idaman Unit.

To:
Genl. G. G. G. Gruppo G. G. G.

IN 2

IN Gruppo G. G. G.
53 HLT
24 HLT (Capt. G. G. G. via 20 HLT)
HLT
H. H. H.
No. 2. Stores Section H.

RE

29/11

Herewith consolidated lists showing present position of training stores.

1. Release of material in hand will be handed to 54 HLT (Capt. G. G. G.), and HLT to 3 HLT for Gruppo G. G. G.
2. Release of mine gassing set may be handed to 33 HLT, however, to keep the set together.
3. Copies of receipts are attached.

J. F. E.

Field.
26 Nov 44.
JFC/EE.

730
Capt.
30 Dec.

1817

Explosive Stores.

From Inventory, 8, 1940 on total.

Item	Total Drawn	Returned over to 53 MHT 12 Nov. 44	Nov. 44	Written off in Flood.	Total balance in accoun- t for. Hand.
Bailey bridge.					
Panel Unit.	10	14	4		5
Drilling Unit.	8	44	-		4
Ramp Unit.	4	24	-		2
Accessory Unit.	2	14	-		1
Erection Gear Set.	1	-	-		1
Steel clips <i>clips</i>	24	-	9	10	19
Clips hinged.	96	-	67	29	96
Clips screwed.	48	-	46	-	48
Clips ground.	48	-	49	-	48
Blocks tackle 3" cordage treble.	11	-	11	-	11
Pickets post.	30	-	-	-	-
Steel wire rope 1 1/2" dia.	30	-	30	-	30
Anchor with holdfast complete.	8	-	6	-	6
Sleepers.	30	-	-	some	-
Minfield Capping Set.					
Mine markers.	50	-	-	-	50
Lane markers.	40	-	50	-	10
Triangles.	100	4	96	-	96
Tape winders. 2 1/2" x 200 yds.	8	-	-	-	4
" " 6" x 500 "	4	-	-	-	12
Cannels.	12	-	12	-	45
Pickets wood.	50	-	45	-	5
Tracing tape. 2 1/2" x 200 yds.	20	-	-	5	15
" " 6" x 500 "	10	-	9	-	1
Notices. "Booby Trap".	6	-	6	-	6
"Mines in Verge".	24	-	16	-	16
"Mines".	10	-	-	-	10
"Safe Lane".	30	-	28	-	2
Plain White.	50	-	17	-	33
Explosive dynamite Mk VII.	2	-	2	-	2
Demolition Test Set.	2	-	2	-	2

-----000-----

*. Certain deficiencies in units handled over due to flood losses.

-----000-----

B.Z.L. 59
 B.R. 54
 A.H.Z. 53
 Stick grenade. (HS).
 " (Gaeke).
 Schminke.
 Egg stick grenade.
 Y adapter for S mine.
 " " "
 R.MI. 43
 Hole mine. 42
 T.MI. 56 (steel).
 T.MI.
 S.MI.
 Stock mine.

British

Pull switch.
 Press " "
 Release " "
 Time pencil.
 L delay.
 No. 75 grenade mine.
 A/Tk mine M-IV. 36
 Grenades No. 33
 " " 77

American

A/Tk mine MI AI
 A/per " M3
 " " M3

Miscellaneous

A/per mine B4
 V 3
 CS 2

790
 727

Formulation is given to retain the balance.

Re-organization.

1. The re-organization to a 3 platoon basis is nearly completed.

Re-equipment.

2. The following have been drawn :--
 - (a) Clothing and personal equipment 90%
 - (b) Weapons 100%
 - (c) Special or normal equipment 80%
 - (d) Vehicles, all except cars light race. Approval for the additional vehicles on the new M is still awaited. Compressors are still without pneumatic tools but drills will be available shortly.

Training.

3. In general this has been seriously interrupted by inspections and bad weather.

4. Daily Drilling. Instruction completed. Platoon leaders show up the weakness of the officers which it is hoped experience will rectify. Higher training of officers and senior NCO's is still pending.

5. Mine warfare. Six platoons have completed trg, i.e. 75%. One class only is being run (50 men) per week.

6. Explosives. A start is being made on 15 Nov 44.

7. Weapon Trg. 50% completed. A new, revised programme is being started.

Vehicle Maintenance.

8. 1 officer and 9 NCO's of 77th Artillery Coy attended a one day instruction under Capt FMSLY.

9. Driving. Instruction is in progress by Coy arrangements.

Field,
15 Nov 44.
JFC/GM

V. T. Castle

Capt.
S.O.R.M.

723
726

RECEIVED 1 NOV - 2 11 - 44

S. Q. P. E. 51 B. L. U.

Reorganization

1. Orders have been issued to change to S. Q. P. E. 51 B. L. U. Establishment per Artillery Coy. Also for certain additional personnel to be added to Engineer Battalion HQ.

Re-equipment

2. The following have now been drawn :-

- (a) Clothing and personal equipment 90%
- (b) Weapons 100%
- (c) Special and normal equipment 70%
- (d) Vech. All, except main light tanks, will have been received by today. Compressors are without pneumatic tools. Additional vech are due in per Nov W.E.

Training

3. Bailey Bridging. Six Pls have completed trg, i.e. 75%. It is proposed henceforth to use the material for Pl schemes. The material which should have been collected by FULCRUM Div on 6 Nov 44 is stacked separately.
4. Mine Warfare. Six Pls have completed trg, i.e. 75%. Only one class per week will be run in future.
5. Weapon Trg. 30% completed.
6. M.T. Maintenance. 3 S.C.Os have completed a week's course with CE MAA Weapons.
7. Driving Instruction is in progress by Coy arrangements.
8. Drill. A daily 1 hour period is allotted to drill or P.T. by Pls.

FIELD
8 NOV 44
JTS/WHH

J. F. COSGROVE

Capt.
S.O.B.E.

7220

To Major PHILLIPS RE

1823

(a) Weapons 100%
 (b) Special and normal equipment 70%
 (c) Vahs. All, except main light spots, will have been received by
 (d) today. Compressors are without maintenance tools.
 Additional vabs are due as per Nov W.B.

Training

3. Bailey Building. Six PIs have completed trg, i.e. 75%.
 It is proposed herewith to use the material for PI changes. The
 material which should have been collected by FOLGORE Div on 3 Nov 44
 is stacked separately.
4. Mine Warfare. 32% PIa have completed trg, i.e. 40%.
 Only one class per week will be run in future.
5. Weapon Trg. 25% completed.
6. M.T. Maintenance. 3 M.G.Os have completed a week's
 course with 33 HAA Wkops.
7. Driving Instruction is in progress by Coy arrangements.
8. Drill. A daily 1/2 hour period is allotted to drill of
 P.T. by Pls.

Field
 8 Nov 44
 JMC/WHH

J.F. Cooley

Capt,
 G.O.R.E.

788

To - Major PHILLIPS RE
 HQ. M.M.I.A.
ROME.

Majd PHILLIPS RE
HQ MMIA
Rome

SECRET

Weekly Progress Report: 25 Oct - 1 Nov 44

S O R E 54 B L U

Reorganization

- 1 Sufficient surplus personnel are held to cover 9% first reinforcements even if some men now on leave do not return.

Re-equipment

- 2 The following have now been drawn in:

- (a) Clothing and personal equipment 90%
- (b) Weapons 100%
- (c) Mine detectors 100%
- (d) A few miscellaneous items, chiefly drawing instruments
- (e) Vehicles - 5-tonners 25
- 3-ton motor trucks 1
- 15-cwts 4
- Jeeps 3
- M/Cycles 3
- Compressors Nil
- Cars, light ones Nil

- 3 In general the re-equipping (excluding vehicles) is about 25% completed.

Training

- 4 Bailey Bridging. Four platoons have completed training, i.e. 50%.
- 5 Mine Warfare. Also 50%.
- 6 Weapon Training. Started on 30 Oct 44.
- 7 M T Maintenance. All drivers underwent a 2 day course on the Rack System on 27 and 28 Oct 44, i.e. 100%. Also, 2 MCOs are having a week attached to 65 HAA Workshop Coy REWS from 30 Oct 44 to 4 Nov 44.
- 8 Training this week has been somewhat disorganised by heavy continuous rain on Monday 30 Oct 44, followed by an exceptional flood, during which the river swept over the training area at about 15 inches and 2 or 3 feet deep. Certain stores were lost - chesses and grillage sleepers in particular.

Pield
1 Nov 44
JVC/RMT

J. F. Costa

Capt
SO HB 722
726

Capt J. T. ~~5016~~ RE
51 B.L.U. *Jan*
C.M.F.

26/10/44

Dear Phillips,

Here is the weekly progress report.
I am trying to fix up Weapon Tag Courses &
Vehicle Maintenance for next week, but I haven't
got it entirely fixed up yet.

I hope you had a good trip back.

Yours

Jack Cochrane:

I went to see the chaps on their
Courses at Capua yesterday. Things seemed to be
getting on O.K.

Jack

723

Subject :- Weekly Progress Report 18 - 25 Oct 44

RE 3

To :- G.S.O. 1
51 British Liaison Unit

RE - ORGANISATION

1. This is now completed with the exception of the question of 5% reinforcements

RE - EQUIPMENT

2. Clothing has been drawn, and a start has been made with a few items of special equipment.

TRAINING

3. BATTLE BRIDGING Two Pls have completed training, i.e. 25%.
4. WIDE WARFARE Two Pls have complete training, i.e. 25%.
5. EXPLOSIVES This is still pending.

Field
26 Oct 44
JPC/WH

J. F. Costa

Capt,
S.O.R.E.

722

722

722

208P
Capt J. T. Cooke RE
51 B.L.U.

18/10/44

Dear Phillips,

The new CRE is quite a ~~life~~ live-wire & will be OK I think. The old one was a nice chap, but a bit too much of the old gentleman.

The training is going well, especially in the Bailey. The main difficulty is in numbers of men to train as so many have had to be sent on leave. And of course there is a continual demand for sapper work especially as all the bridges on the side roads wash out after every storm!

The weather is grand at the moment - ideal for try. Long may it last! Would you please let me know ⁷² be for hand when to expect you on your next visit. Yrs Jack Cooke.

Reconnaissance Report 11 - 18 Oct 44

SECRET

Reconnaissance

- 1 The new Comando Genio - Maggiore PODESTA - arrived on 13/10/44 and took over command of the Engineer/Signal Battalion.
- 2 The appointment of the D C of 29th Artieri Coy has not yet been confirmed. This is being arranged through Italian personnel channels.
- 3 The 2 Artieri Coys and Bn HQ are up to strength except for a few minor deficiencies in tradesmen. This is largely due to the arrival of volunteers.

Re-equipment

- 4 Clothing will be down this week.

Training

- 5 Reiller Bridge
(a) One platoon have completed the curtailed programme.
(b) Two platoons are now under training with the 6 day programme, having started on 16/10/44.
- 6 Mine Warfare
(a) One platoon commenced their 6 day programme on 16/10/44.
(b) A second platoon will commence on 19/10/44.
- 7 Amphibious
Training should have started on 16/10/44, but there are insufficient men available as 200 are being sent on 10 days leave.
- 8 The men under instruction show keenness and are working well.
- 9 Platoons under training are made up to a class strength of 50 for instructional purposes.

Field
18 Oct 44
JFC/RCF

W. Costa

Capt
S. Costa

12/10/44Capt T. F. Codd RE
51 B.L.U.
CMF

Dear Phillips,

Here is the latest progress. Actually the number of tradesmen deficiencies has already been reduced by the arrival of a lot of chap's in civilian clothes - volunteers drafted here from somewhere. all a trifle odd, but it seems to have improved the tradesman position no end!

The weather here is lousy (today being an exception) & I see the fog being very considerably delayed by rain unless we can get waterproofs & gas capes. The men only have one suit of clothes each. I have asked for 250 gas capes, but it looks as though we may have to wait till they come with the clothing scales. Pretty well all the engineer training must be out of doors so the weather affects us more than other arms.

The training in B.B. is that ~~is~~ not gone badly. ~~but~~ The men are keen ~~to~~ work well but the officer instructor does not keep the tight organisation I would like to see, also like the

equipment get scattered all over the place when dismantling. I am trying to get them to stack it properly in its correct place, otherwise our constructed site will be knee-deep in panels etc over the whole area! I think I may, after all, have to ask you for the 3 W.O. instructions you suggested. I believe they would really be a great help, & I would like them.

I had hoped to get started in mines & explosives instruction this week. But there has been a hitch in gathering up the instructors, partly due to the re-distribution by the 2nd SMIRE Citta. Monday 16/10/44 is the ~~the~~ starting day for us now. I hope you had a good journey back the other day.

Yours

Jack Costa

SECRET 51 B. L. H.

REORGANIZATION

1. The Field Coys are now organized on the new basis, the Arctico Flt having been formed under 15th Arctico Coy and having now passed to 24th and 7th Arctico Coys respectively.
2. The appointment of Capt PERMI as O.C. 29 Arctico Coy has been approved.
3. The PL Coys - Bn HQ are 60 trainees under strength. The most serious item is 13 carpenters deficient. A few trainees are however being collected from the X R R. Condo.

RE - EQUIPMENT

4. Arrangements are in the hands of D.A.D.O.S.

TRAINING

5. Collection of Bailey Bridge ceased when the equipment allotted was cut from a full PL not to a half set.
6. A curtailed programme of trg was started on 13 Oct 64, and the final PL will have finished its course on 14 Oct.
7. The 2nd index of the equipment having now been made available, it will be collected this week and the full 5 day courses will start on 16 Oct 64.
8. Mines and Explosives have been collected from PERMI. DIV and trg will start on 14 Oct 64 if instructors are available.

Field
12 Oct 64
JPG/WHH

J.F. Castle

Capt,
S.O.R.R.

RE - EQUIPMENT

4. Arrangements are in the hands of D.A.D.O.S.

TRAINING

5. Collection of Bailey Bridge, issued when the equipment allocated was out from a full PI not to a half set.
6. A detailed programme of training started on 10 Oct 44, and the first PI will have finished its course on 10 Oct.
7. The maintenance of the equipment having now been made available, it will be collected this week and the full 6 day courses will start on 10 Oct 44.
8. Mines and Explosives have been collected from WHILL. DTI and Reg will start on 10 Oct 44 if instructors are available.

J.F. Cooke

Capt,
S.O.L.R.

Field
12 Oct 44
JFC/WHU

71

Weekly Progress Report 27 Sept - 4 Oct 44SORE "B" B.L.U.Training

1. Drawing of the Bailey Bridge is now in hand. 9 loads have been collected and the remainder is being drawn at the rate of 6 loads every second day.
2. Most of the misc trg stores, such as tapes, shovels, etc., have been drawn. Also part of the wiring stores.
3. Explosives and mines will be collected this week.
4. The 6 day courses in Weapon Training and Fd Wks, which were arranged for 2 Oct 44 at the R E T D, did not materialise. The students were sent back from the R E T D, by orders of E T E HQ.

Reorganisation

5. The Coys are still not up to strength, but sufficient reinforcements to make them up completely are expected to arrive today.

4 Oct 44
JTC/RET

J. F. G514

"B" British Liaison Unit

11
Capt
SORE

710

710

Capt. J. T. Coker RE
"B" B.L.U.

28/9/44

Dear Major Phillips,

Here with another weekly progress report. There is really not much to say as we are hampered by the transport shortage. However, I believe some more trucks are coming for the Div in a few days.

Otherwise things are going along well, except the weather which is beastly!

Yours

Jack Coker

710

710

WEEKLY PROGRESS REPORT 20 - 27 Sept 44SO RE "B" British Liaison Unit.TRAINING

1. It has still not been possible to draw Bailey Bridging and other stores due transport shortage, and such stores as boats, rifles, etc taking priority.
2. 6 day Cadre courses in Weapon Trg and Field Works have been arranged at the REWD. The courses will run concurrently from 2 Oct 44 to 7 Oct 44, and each class will consist of 3 officers and 17 ORs.
3. Parts of the SME precis in Mine Warfare are being translated for the use of the instructors.

RE-ORGANISATION.

4. Of the 250 men required to bring the Companies up to strength, 100 have now been received. The remainder will be collected in a few days.

MISCELLANEOUS.

5. Pending the start of training, small works such as making targets, etc, and repairs to buildings occupied, have been undertaken.

J. F. Costello
C/LT RE.

File RPP

Capt J.F. "Ske" RE
"B" BLU
CMF

Dear Majd Phillips,

20/9/44

Herewith a progress report. As you will see it has been a pretty stagnant period! Actually I have been engaged mostly on drawing motor cycles, buying drinks, & generally helping to get the BLU established!

I hope you will come down & see us again soon.

Yours

Jack Costa

713

Weekly Progress Report 13 to 20/9/44.

SO RE "B" B.L.U.

Training.

1. A site for training in Bailey Bridge was chosen with the two Coy. Commanders on 13/9/44, and work on preparing the access road commenced on the following day.
2. On 17/9/44, the CRE was shown the site and the layout was discussed in detail.
3. Arrangements were made to draw the first seven loads of bridging on 18/9/44, and to construct a 30ft. bridge over a mill stream to gain access to the main site. But this has not been possible due to all Div. transport being required to ferry baggage and men arriving from SARDINIA.
4. No bridging can therefore be drawn at present. Meanwhile a small bridge over the stream has been made from railway lines, in readiness. It is hoped that transport may be available in a few days.
5. Explosives, and Allied and Enemy Mines, are being drawn by Friuli Div. on our behalf.

Reorganisation.

6. The CRE, Maggiore ROSSARI, arrived from SARDINIA on 16/9/44. His staff is nearly complete.
7. A letter has been written by Div. HQ. to SM RE regarding the distribution of the men of 13 Arresto Coy. At present the two platoons which have been formed from this Coy. are both with FRIULI Div., and the surplus of nine men left are with CREMONA Div. A decision is awaited.
8. The remaining reinforcements required have been notified by trades and ranks to SM RE, and instructions to collect are awaited.
9. G1098 equipment has not been released at present, as the ^{intention} is to equip the FRIULI Div. first.

G1098

20/9/44.

J. F. Coske

Captain R.E.

21

CREMONA DIVISIONPresent Position

There is no CRE, & no support officers at ORs
at the H Division at present.

CRE

Maggior ROSSARI. He is in SARDINIA
but it is expected he may arrive with an artillery
company shortly. [Suggest he be added here earliest].

77 Artillery Coy

OC is Capitano ZUNINO. He is the senior
engineer officer. I am meeting him on 13/9/44
to discuss (a) most suitable site in the area for the
2 engineer bays + (b) re-organization.

This Coy possesses 6 (5) officers, 5 (10) WO's +
S/Ls, + 143 (217) ORs. (WE in brackets). It is thus
76 under strength + (2 + 4) (a rush pl.)

131 ^{strong}
76 ^{not}

29 Artillery Coy

OC is Tenente GIROTTI. This Coy possesses
2 (5) officers, 4 (10) WO's + S/Ls, + 81 (217) ORs, + is thus
125 under strength (incl. 1 + 2 + 42)

Arrival

The 2 Coys are arriving in the Div area
from Trache Div area on 14/9/44.

13 Artillery Coy

It is understood that this Coy is much under strength
& will only provide 2 platoons for the 4 Artillery
regiments for the 2 Divisions. (Distrib. of the 2 pls?)

Dw Bridge Capt

There are plenty of suitable sites in the area
+ there should be no difficulty

Stores for training

The munitions & explosives, & the bridging, are all
being drawn by Field Division, & will be obtained
from them.

12/9/44

J. F. P. 16

Capt RE

1840