

125/39

11th October, 1958

To:- Security Liaison Officer, Federation of Malaya.

Subject: INSPECTION REPORT ON CAPTURED ENEMY WIRELESS EQUIPMENT

Herewith report in accordance with para. 14 of Director of Operations' Instruction No. 22.

PART I - WIRELESS SETS

- A. A homemade oscillating apparatus contained in a modified steel instrument case with steel lid marked 25. The whole contained in a K.D. Haversack marked with letter 'P' in red.
- B. Yes (transportable)
- C. Figures 25 marked in Red on lid. Homemade.
- D. Believed open wire. See para S(10).
- E. Nil
- F. Not known
- G. 6 Volt - A, - vibrator - homemade power pack with 2 - 6x5 GT Valves. Terminates Via 5 pin socket. A 6 wire connector cable - (2 wires insulated at ends) with 5 pin plugs at each end. Fits the apparatus described in para. "A".
- H. Nil
- J. Nil appears to be MO/PA
- K. Not known.
- L. C.W. Morse Key not recovered.
- M. Fairly good condition. Signs of recent use not apparent, but signs of very recent work on the apparatus are obvious. e.g. solder joints still bright. Plating still bright. Only slight signs of dampness in set.
- N. Valves (2) broken, unidentified, Octal Base. Also recovered with this equipment are 2 type of 6L6 metal case valves which fit Octal base. The 6L6 valve is a well known power valve and can be used as either oscillator or amplifier valve, (i.e. transmitting valve) in addition to use in power amplifier on public address apparatus. They are rarely used in domestic receivers. *OE disagreed*
- P. Frequency range not known. A pair of 5 pin plug-in coils are employed. Each of these coil is of 37 turns. The output or right hand one, is centre tapped. As a guess it is thought that these coils would cover the upper end of the medium frequency Band. Recovered with this apparatus is another

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pair of 5 pin, - 11 turn coils one of which is centre tapped. These are thought to be HF coils. They fit the equipment.

Q. No.

R. Nil.

S. Included with recovered apparatus was a small tin box containing the following items:-

- (1) 2 500 V. - .25 MFD. and 1 500 V - 16 MFD condensers.
- (2) 2 miniature condensers which are unidentifiable.
- (3) 1 red wander plug.
- (4) 1 coil of resin core solder.
- (5) 1 bottle of red nail varnish (Nail Varnish can be used for insulating and sealing pre-set controls)
- (6) 2 - 6x5 rectifying valves (obviously replacements for those reported in power pack).
- (7) 1 spare "Masteradio" 6 Volt vibrator - type O64 again an obvious replacement for vibrator in reported power back. Written on the case of this vibrator are characters which translated states "SPOILED".
- (8) A small tin containing 3 Philips 6V: - .45 watts dial light bulbs which can also be screwed into the bulb socket on the front of the equipment in para "A"; which is thought to be a form of aerial tuning. Also included in this tin - are 8 miniature resistances - 2 miniature condensers and 6.30 amp fuses. 5 of these fuses fit the apparatus described in para. "A". The contents of both these boxes are carefully packed in cotton wool and paper. The interior of the larger box was lined with green plastic material and the whole was wrapped up in a piece of oil cloth.
- (9) Also recovered was an AC/DC test meter model 27B No. 5244 made by TOHO Tester Laboratory Co. Ltd. Tokyo, Japan. There is also on the dial the figures 1954. The instrument is U/S, and appears to have been out of use for some considerable period. A pair of probes was included with this instrument but appear never to have been used. The insulation on the positive probe is completely disintegrated. The instrument and probes were packed in a small kd cover.
- (10) Also recovered were two aerials. One aerial of bare 7/22 gauge copper with one small white egg insulator at one end. Length 6.98 metres. This type of wire can be used for transmitting purpose. The second aerial comprises blue plastic coloured wire 36.93 metres in length. There is a soldered joint (insulated with sticking plaster) at 9.37 metres, and a bare joint at 19.27 metres. This type of wire is not usually used for transmitting purposes.
- (11) The whole of this strang apparatus indicates that someone with a fair amount of radio knowledge has been involved. The purpose of the apparatus, without laboratory bench test and the use of a signal generator

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and similar apparatus, can only be guessed and I recommend that the apparatus be submitted for such an examination if _____ wish to be sure of its purpose and the frequency ranged covered.

(Signed) _____

FORCE SIGNALS OFFICER

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