

OPERATION OF WIRELESS STATION A510

WITH ROD AERIAL

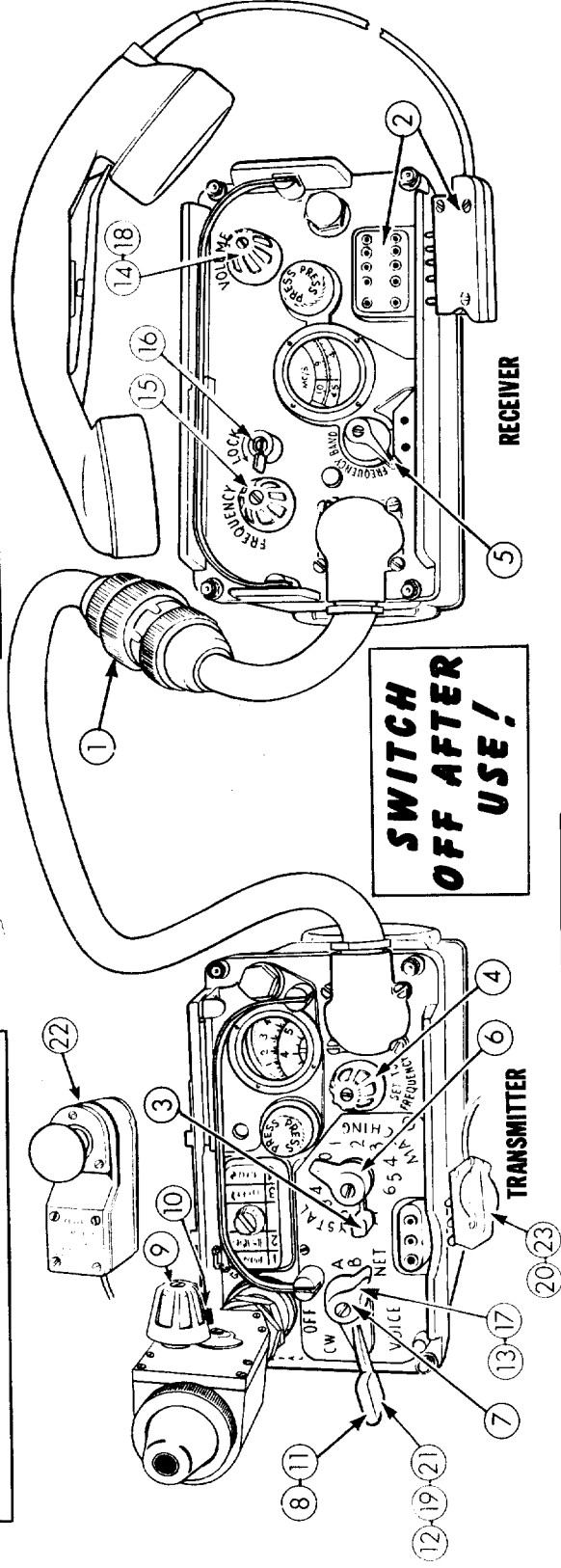
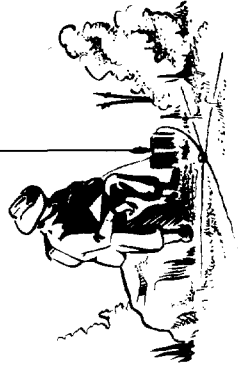
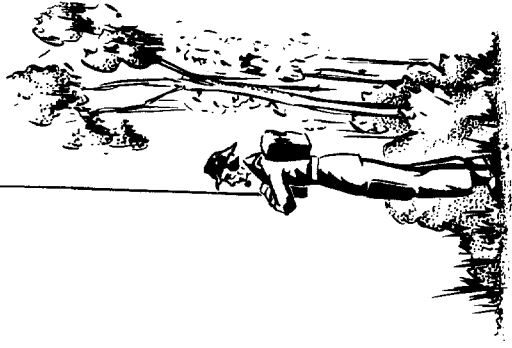
SETTING UP RECEIVER A510 AND TRANSMITTER A510

- 1 INTERCONNECTING PLUG AND SOCKET. Join, and screw firmly together.
- 2 RECEIVER - HANDSET and HEADSET. Plug either or both in sockets.
- 3 TRANSMITTER - CRYSTAL SELECTOR SWITCH. Select crystal of ordered frequency by turning to number corresponding with number and frequency shown on cover for crystal units.
- 4 TRANSMITTER - FREQUENCY CONTROL KNOB. Turn to set transmitter to ordered frequency.
- 5 RECEIVER - FREQUENCY BAND SWITCH. Set to appropriate band - BLUE - 2-4.5 Mc/s. ORANGE-4.5 to 10 Mc/s.

FREQUENCY RANGE 2-10 M.Cs.

TUNING TRANSMITTER A510

- 6 MATCHING SWITCH - Set to "O".
- 7 A-B-NET SWITCH - Turn to "B".
- 8 FUNCTION SWITCH - Hold on "VOICE".
- 9 ROD TUNER TUNING KNOB - Adjust to give max. reading in aerial tuning meter.
- 10 ROD TUNER LOCKING SWITCH - Turn clockwise to lock tuning knob of rod tuner.
- 11 FUNCTION SWITCH - Allow to return to "R".



At extremes of 2-10 Mc/s band, prescribed method of tuning does not necessarily give best results. Where operation at these frequencies is necessary it is preferable that tuning operations be given an actual check with base before operations are sent out on patrol.

NOTE

Operations 12 to 18 should be repeated at intervals of approximately 15 minutes to check netting. Various conditions such as the heat of the day or state of your batteries can cause the frequency to vary slightly, enough to put the set off net.

FIG. 30

VOICE OPERATION

- 12 TO RECEIVE TRANSMITTER - FUNCTION SWITCH. Turn to "R".
 - 13 TRANSMITTER - A-B-NET SWITCH. Turn to "NET".
 - 14 RECEIVER - VOLUME CONTROL KNOB. Turn fully clockwise (C.F.).
 - 15 RECEIVER - FREQUENCY CONTROL KNOB. Turn CAREFULLY about 10 minutes. On dial scale until "ZERO BEAT" or "Silent Point" or in diagram below.
- SILENCE
- Provision turned to original frequency
- CRANK A-B-NET SWITCH
- HERE TUNE
- 16 RECEIVER - FREQUENCY LOCK. Turn anti-clockwise until without altering tuning point.
 - 17 TRANSMITTER - A-B-NET SWITCH. Turn to "R".
 - 18 RECEIVER - VOLUME CONTROL KNOB. Adjust to comfort of voice.
 - 19 TO SEND TRANSMITTER - FUNCTION SWITCH. Hold on "VOICE". Speak into microphone. DO NOT SHOUT. If using loudspeaker, press, proceed with.

C.W. OPERATION

- 20 TRANSMITTER - PLUG FOR NET. Plug is used provided for "VOICE" operation 12 to 18. Initial key is placed in history of set will not respond.
- 21 TRANSMITTER - FUNCTION SWITCH. Turn to "CW".
- 22 TRANSMITTER - KEY.
- 23 TRANSMITTER - PLUG FOR NET. Plug is used provided for "VOICE" operation 12 to 18. Initial key is placed in history of set will not respond.