

OPERATION OF WIRELESS STATION A510 WITH END-FED AERIAL

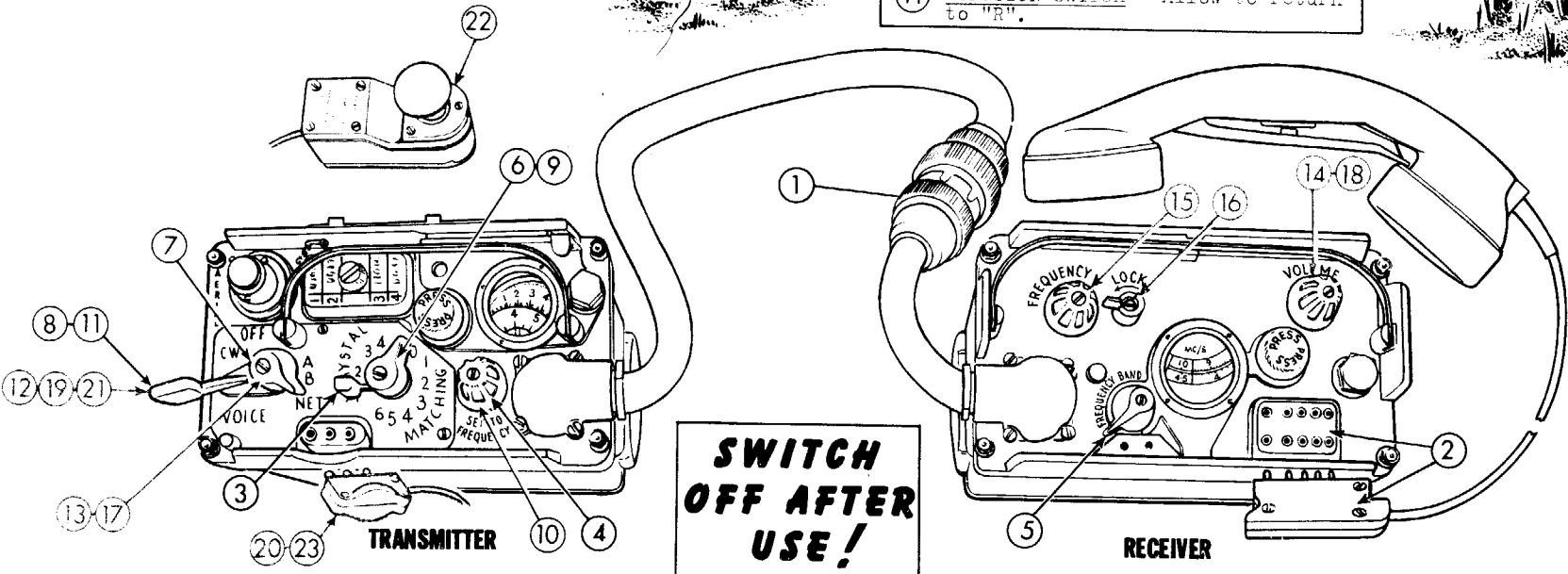
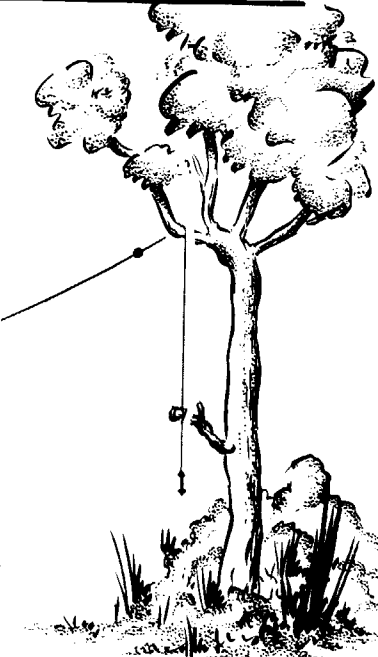
SETTING UP RECEIVER A510 AND TRANSMITTER A510

- 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 Mc/s.

TUNING TRANSMITTER A510

- ⑥ **MATCHING SWITCH** - Set to "0".
- ⑦ **A-B-NET SWITCH** - Turn to "A" or "B" to agree with aerial length and frequency range chosen from aerial bobbin chart.
- ⑧ **FUNCTION SWITCH** - Hold on "VOICE".
- ⑨ **MATCHING SWITCH** - Turn until maximum reading obtained on aerial tuning meter.
- ⑩ **FREQUENCY CONTROL KNOB** - Slightly re-adjust for maximum reading on aerial tuning meter.
- ⑪ **FUNCTION SWITCH** - Allow to return to "R".



SWITCH OFF AFTER USE!

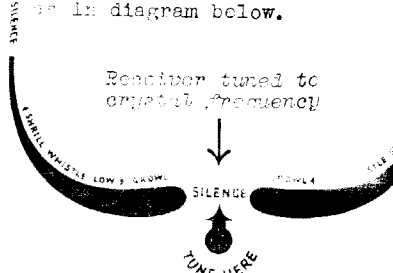
Use position "A" on the A-B-NET switch whenever possible as this position gives the greatest range.

NOTE

If fading occurs on ground wave operation when in the "A" position, try changing to "B".

VOICE OPERATION

- ⑫ **TRANSMITTER - FUNCTION SWITCH**
Turn to "V".
- ⑬ **TRANSMITTER - A-B-NET SWITCH**
Turn to "NET".
- ⑭ **RECEIVER - VOLUME CONTROL KNOB**
Turn fully clockwise (UP).
- ⑮ **RECEIVER - FREQUENCY CONTROL KNOB**
Turn CAREFULLY about required frequency on dial scale until whistle is heard. Reduce to "ZERO BEAT" or "Silent Point" as in diagram below.
- ⑯ **RECEIVER - FREQUENCY LOCK**
Turn until "LOCK" is reached.
- ⑰ **TRANSMITTER - A-B-NET SWITCH**
Turn to "A" or "B".
- ⑱ **TRANSMITTER - VOLUME CONTROL KNOB**
Turn up to level of "VOICE".
- ⑲ **TRANSMITTER - FUNCTION SWITCH**
Turn to "V". Speak into microphone, DO NOT SHOUT. If necessary, press "PRESS" button.



C.W. OPERATION

- ⑳ **TRANSMITTER - PLUS FOR KEY**
Press "PLUS" button as for "V".
- ㉑ **TRANSMITTER - FUNCTION SWITCH**
Turn to "CW".
- ㉒ **TRANSMITTER - KEY**
Press.
- ㉓ **TRANSMITTER - PLUG FOR KEY**
Remove before returning to "V" operation.

FIG. 31