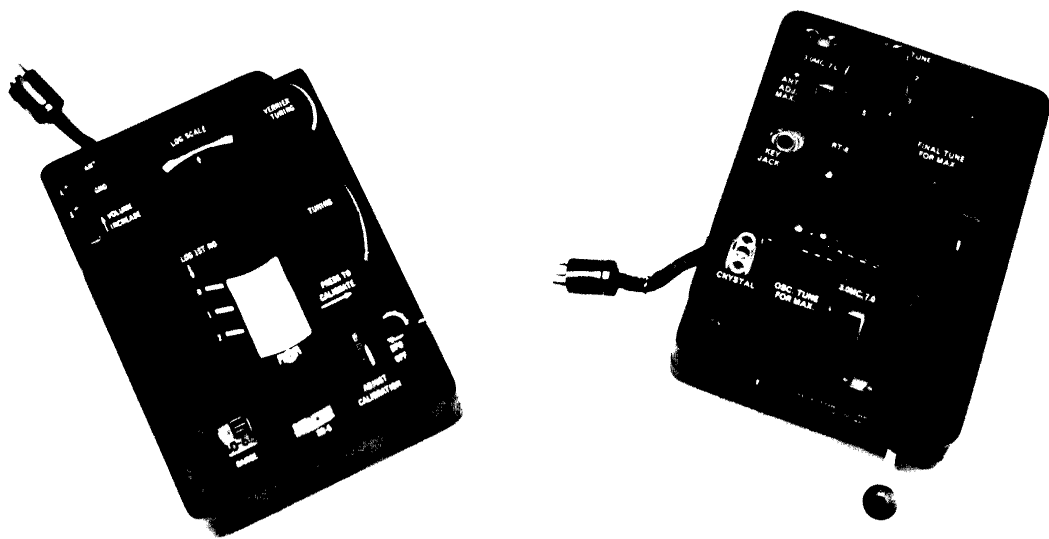


RS-6

Hof

Model RS-6

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



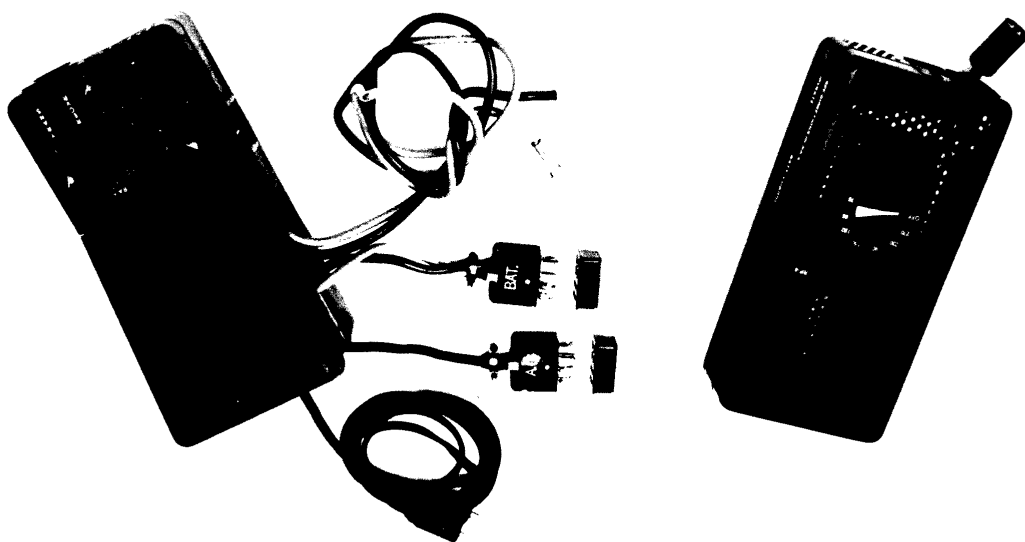
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

↓

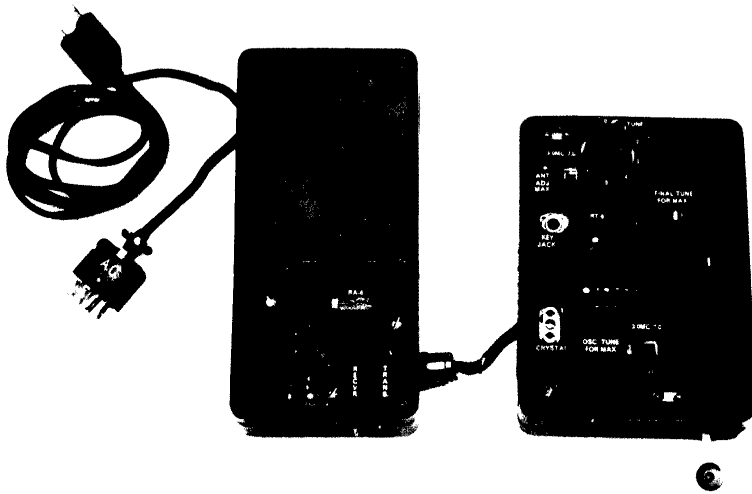


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

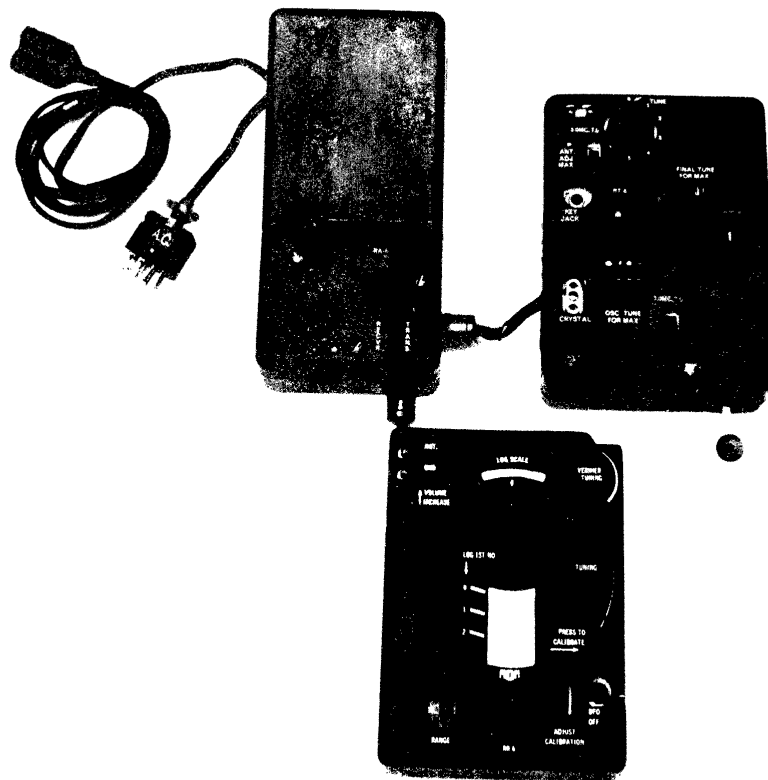
8



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

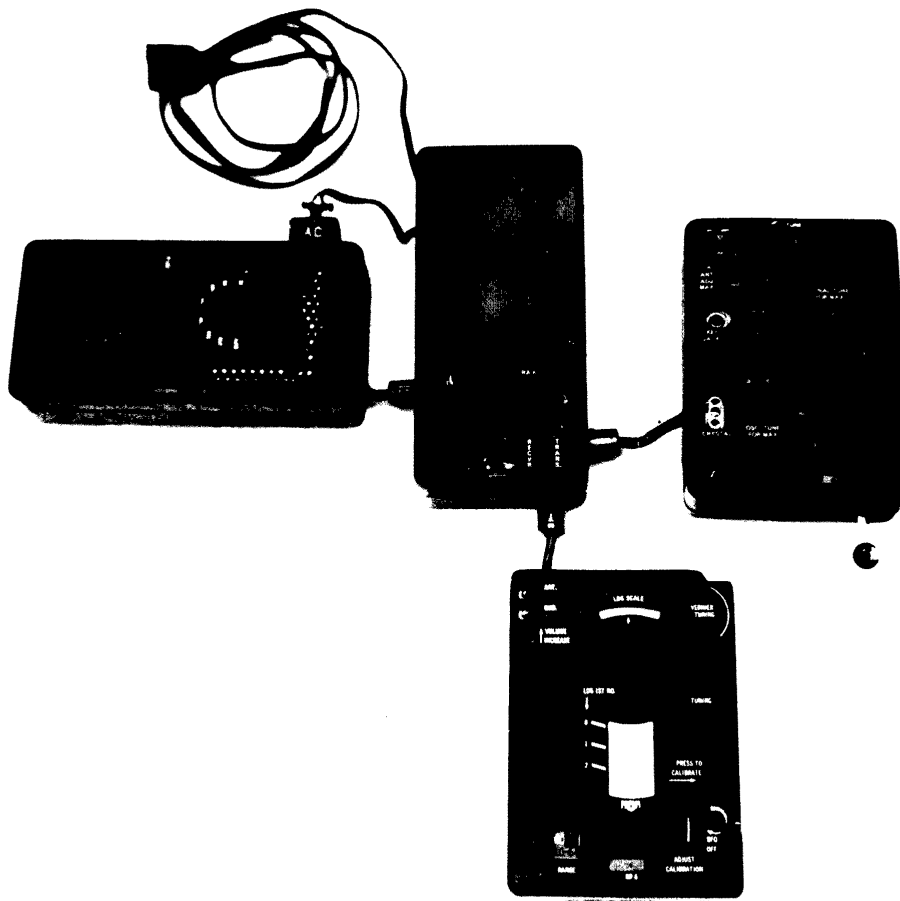


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

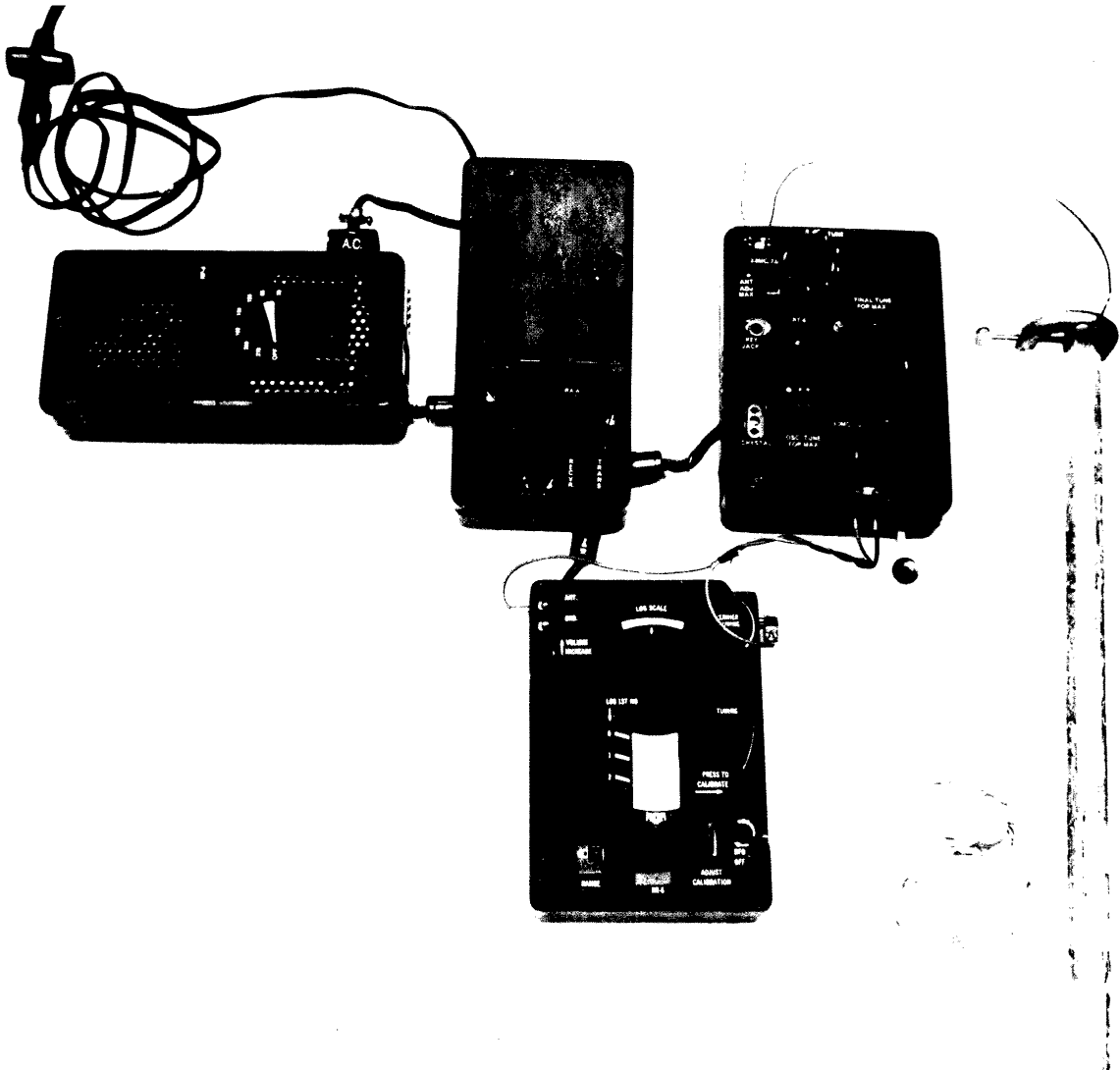
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

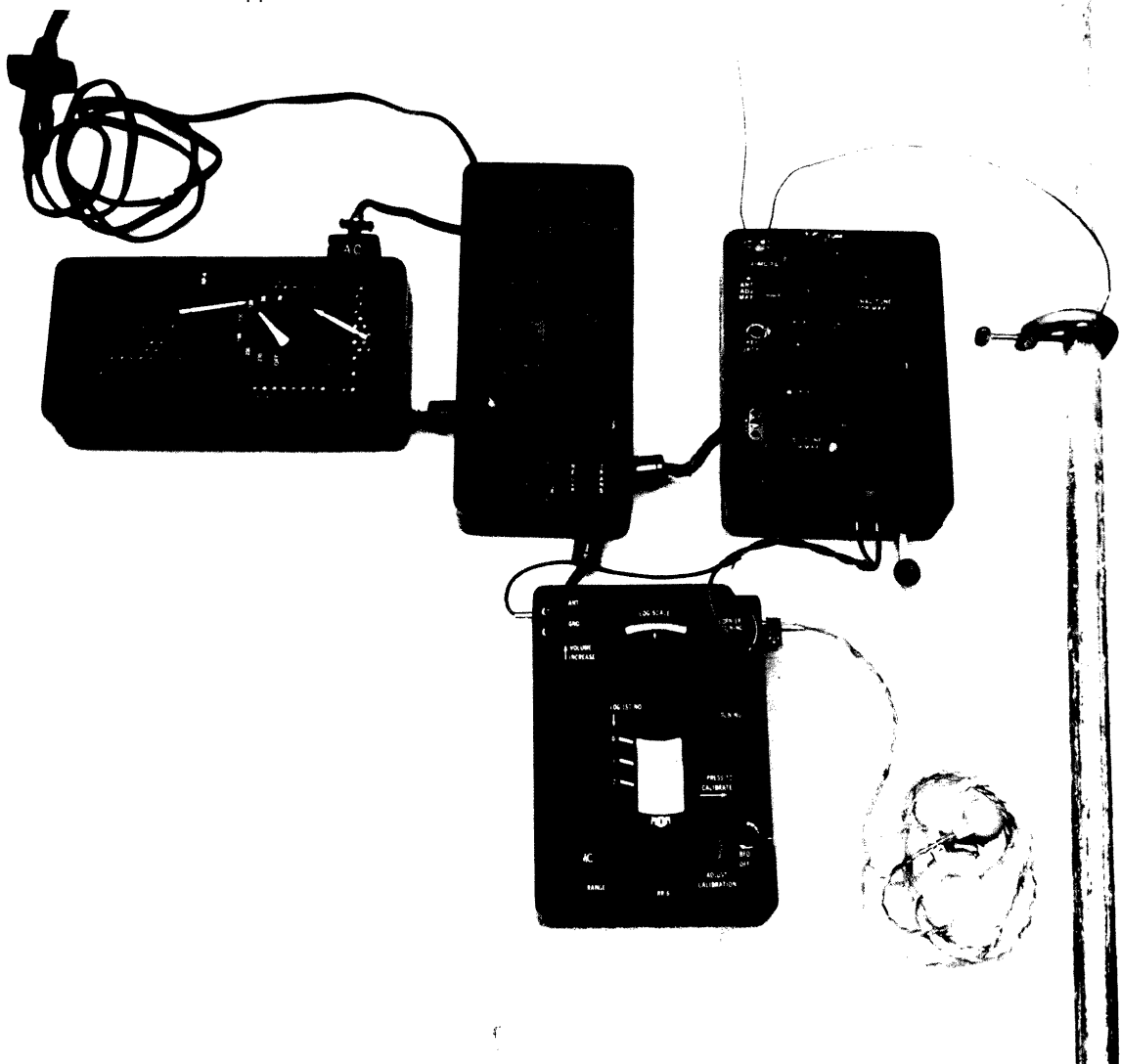


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



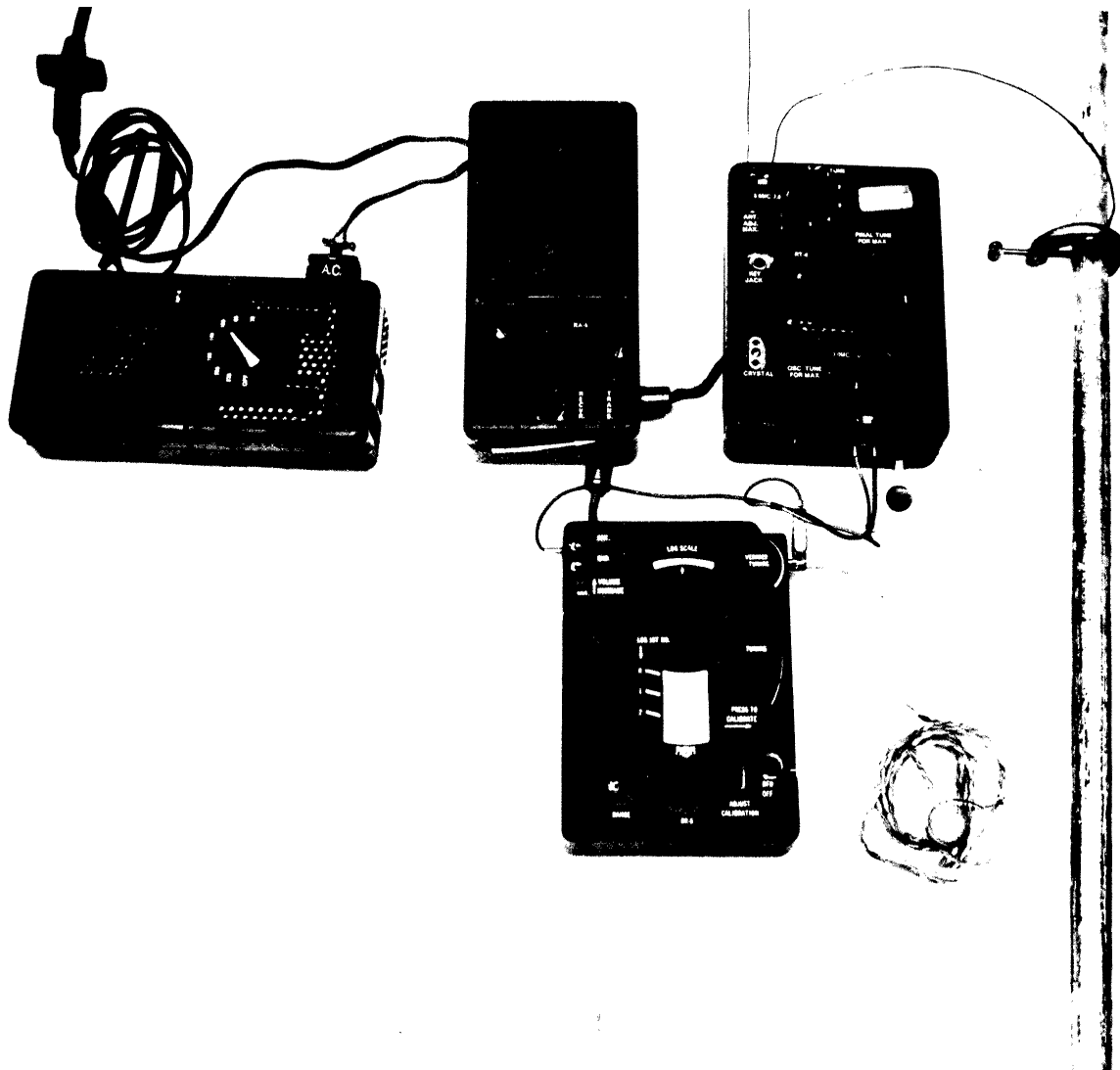
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



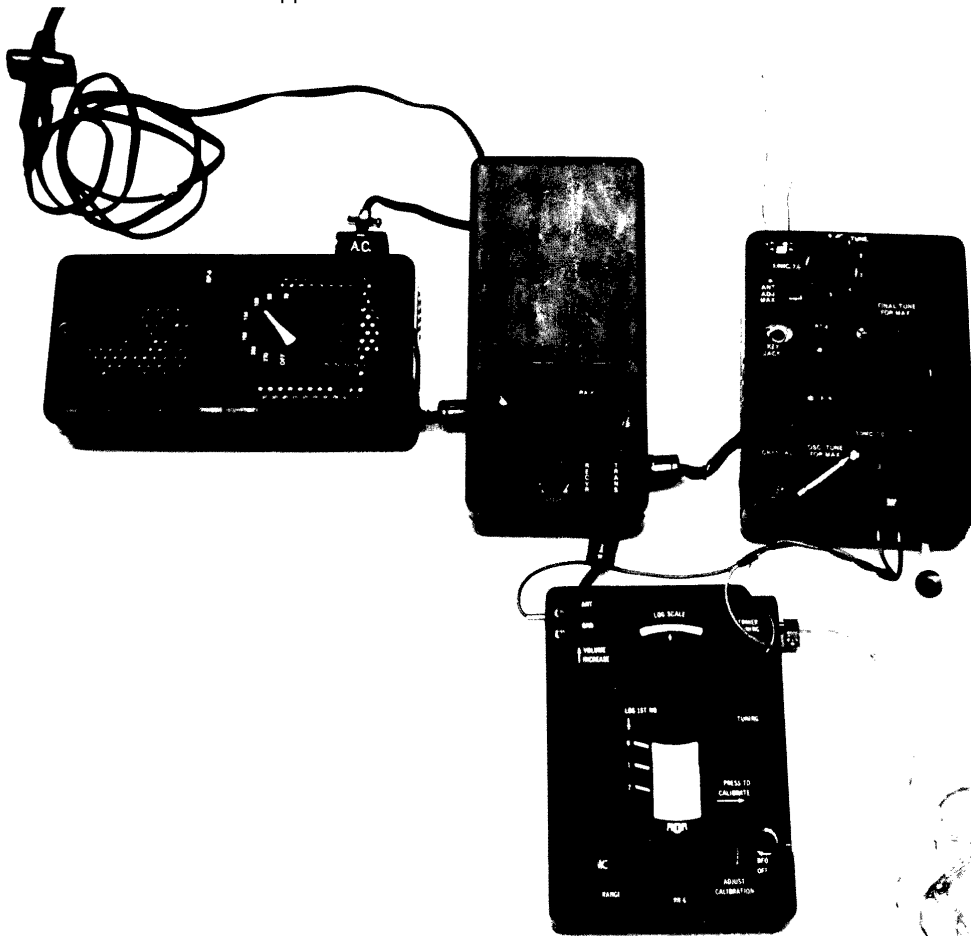
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



3470 kc = 3.470 Mc

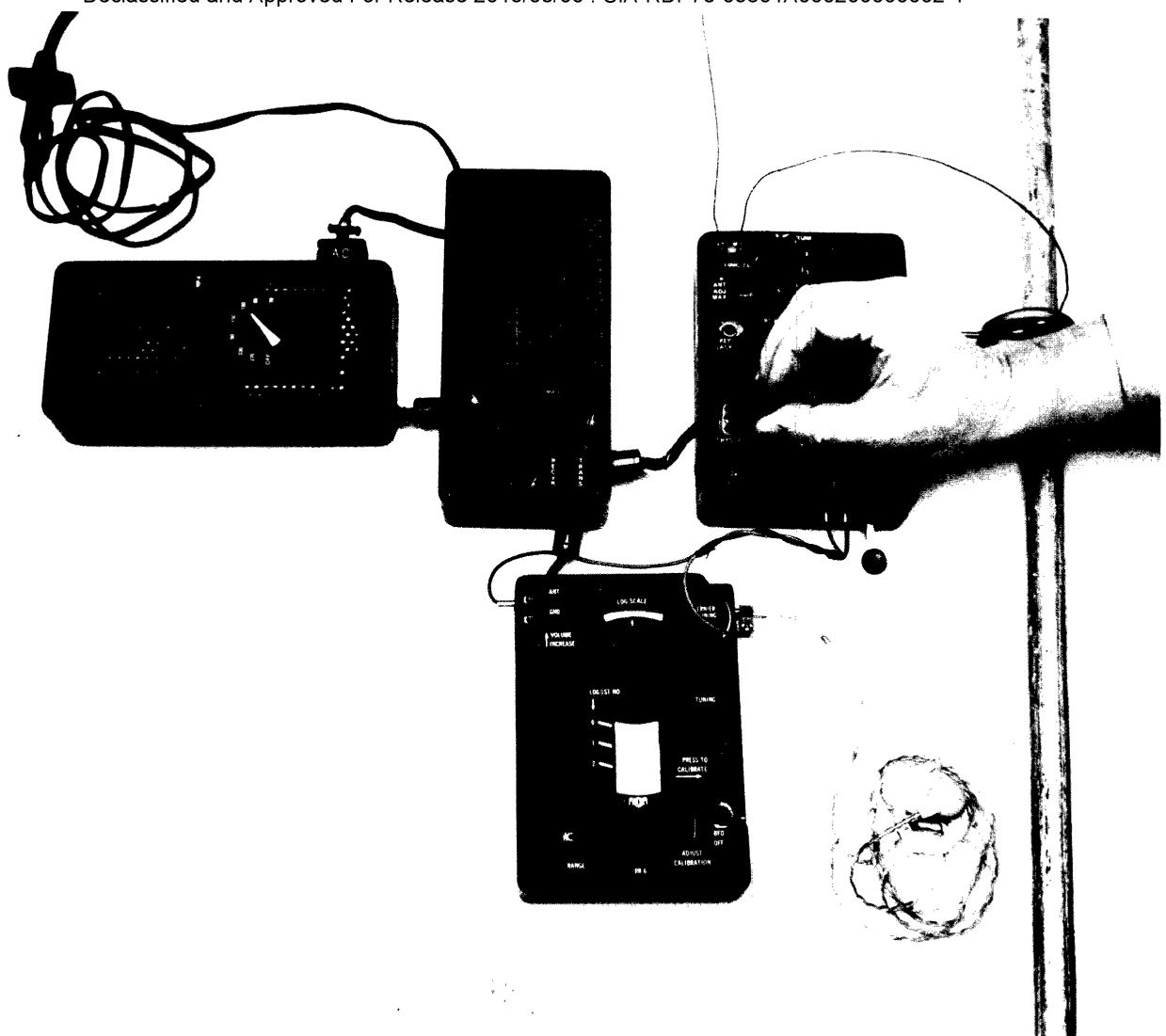


9385 kc = 9.385 Mc



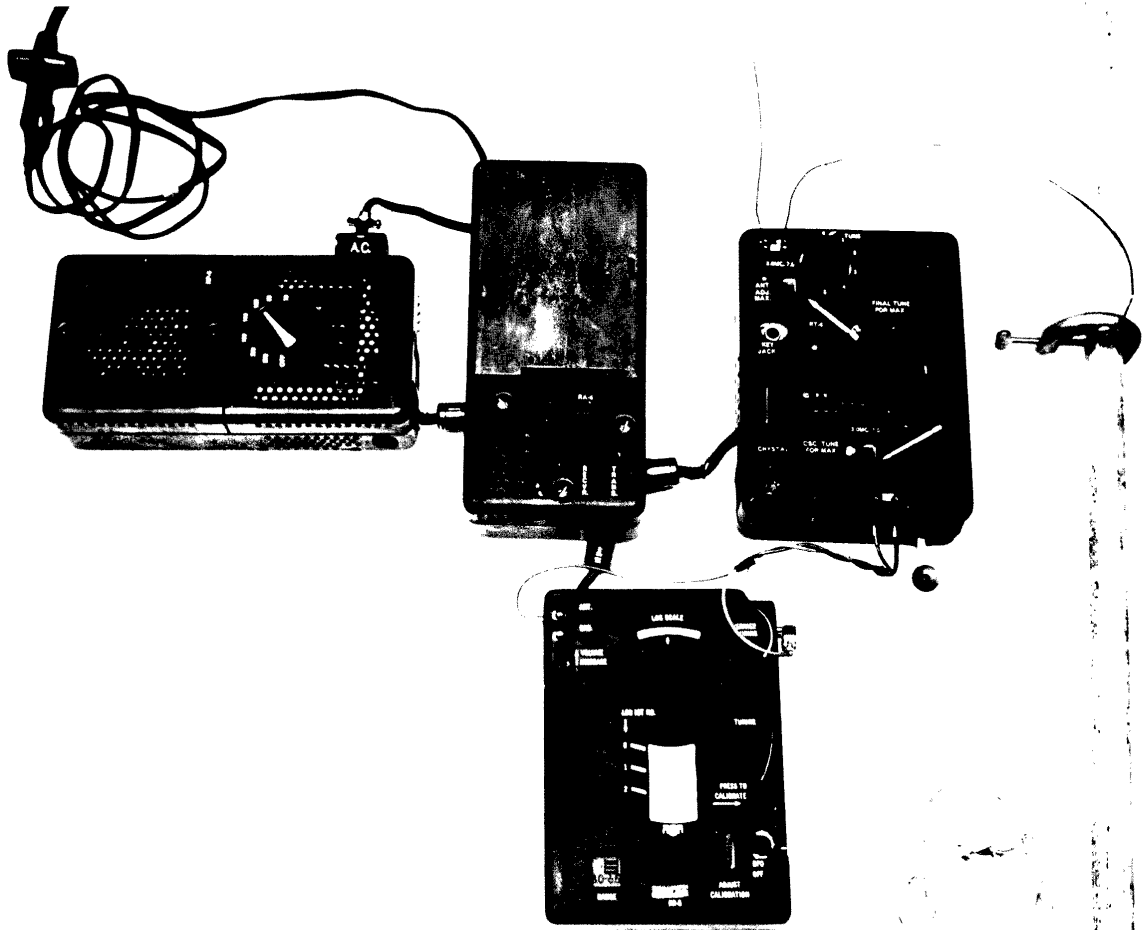
14651 kc = 14.651 Mc

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



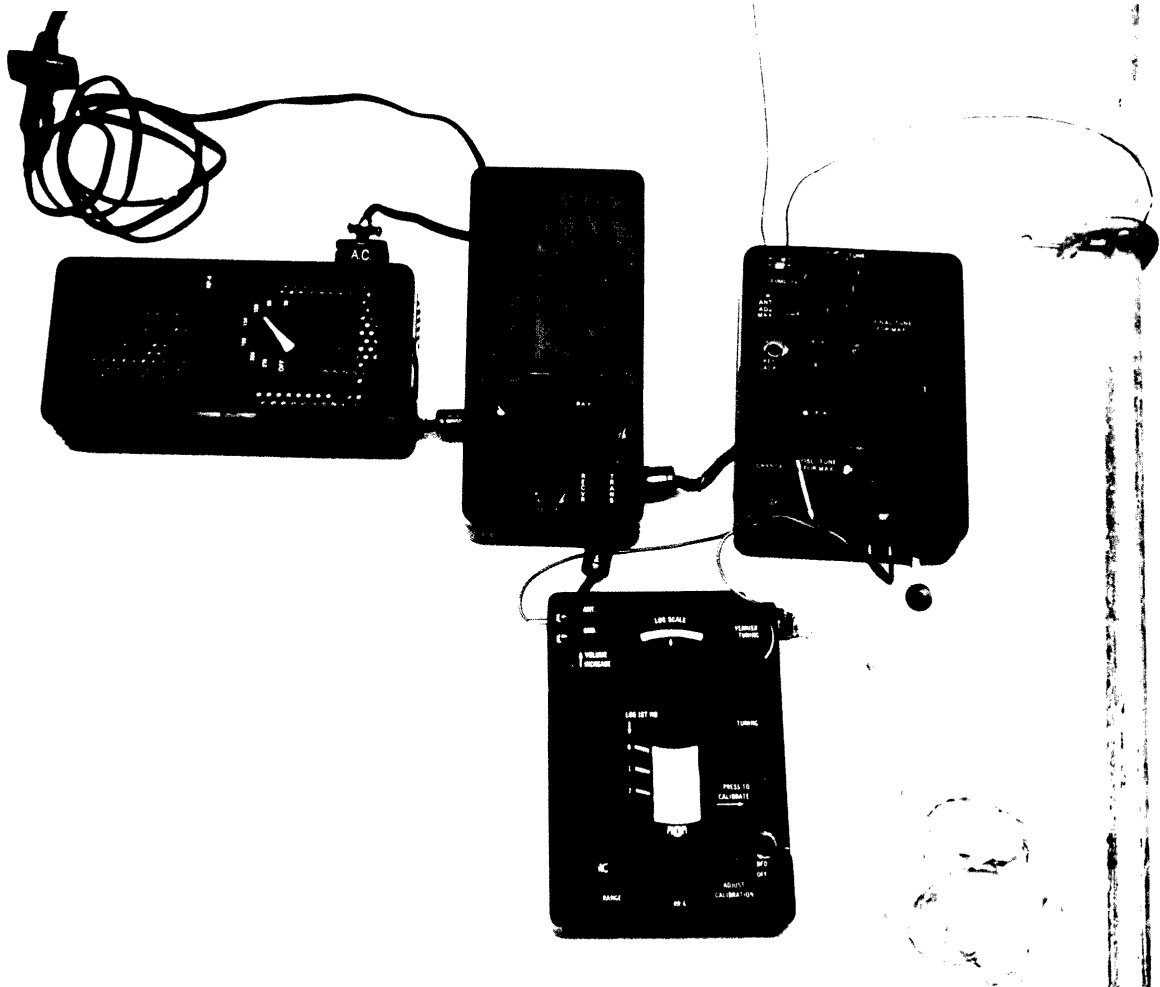
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

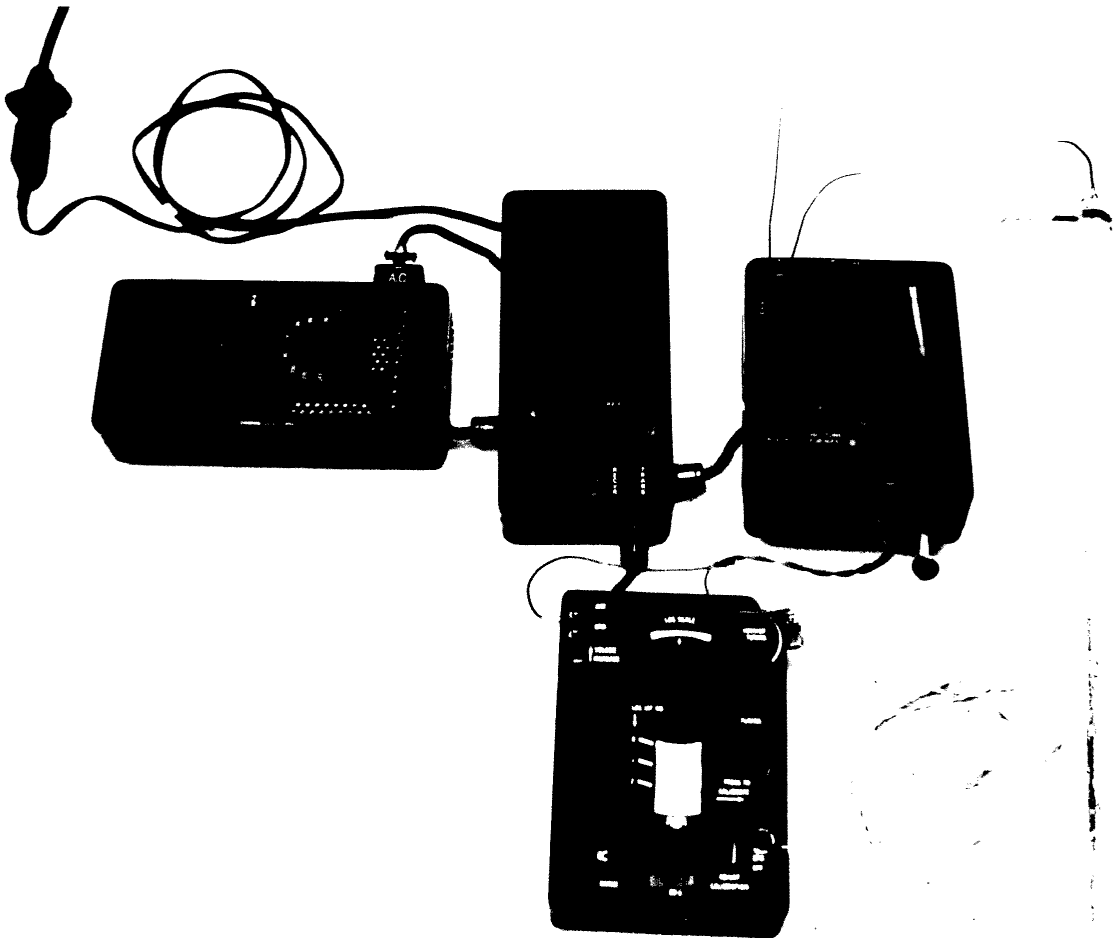
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

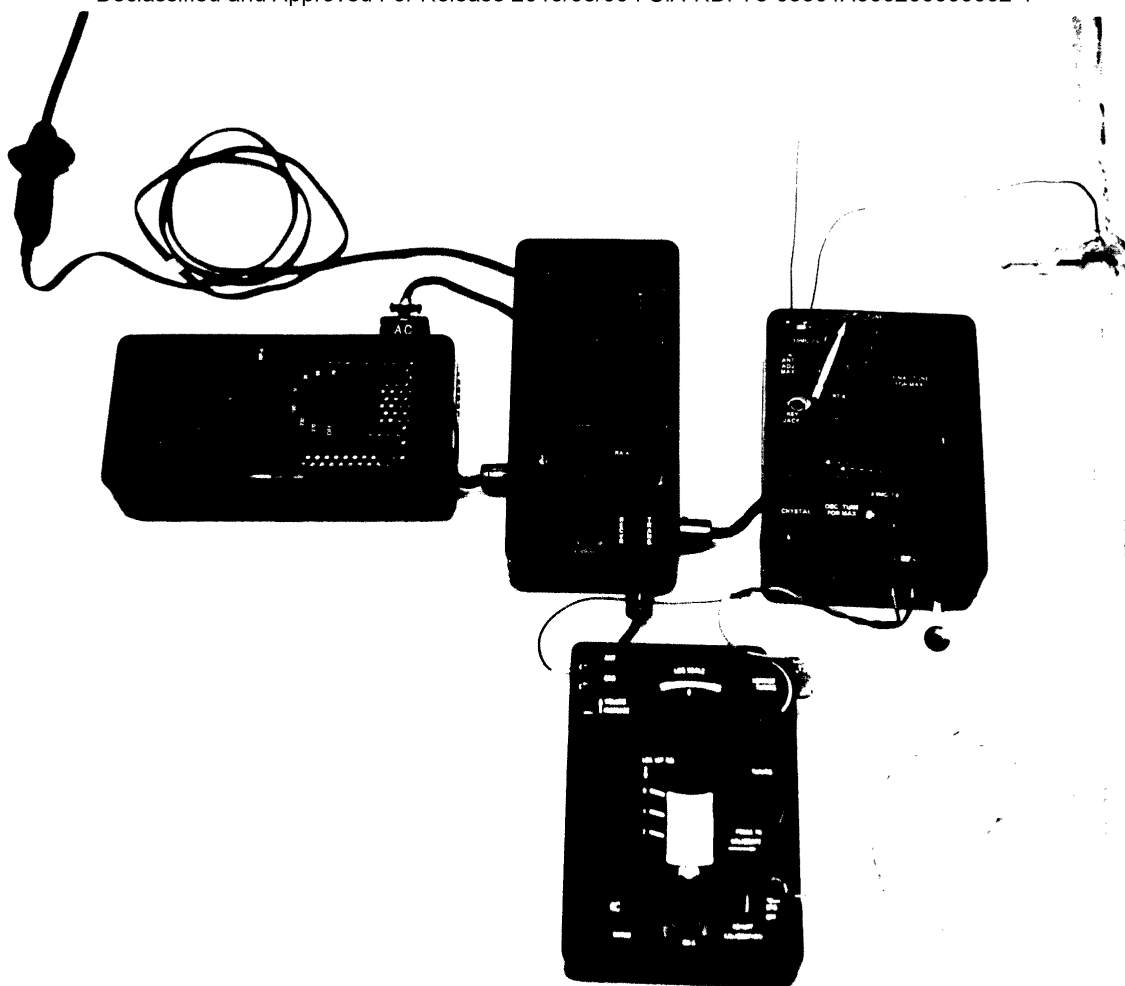


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



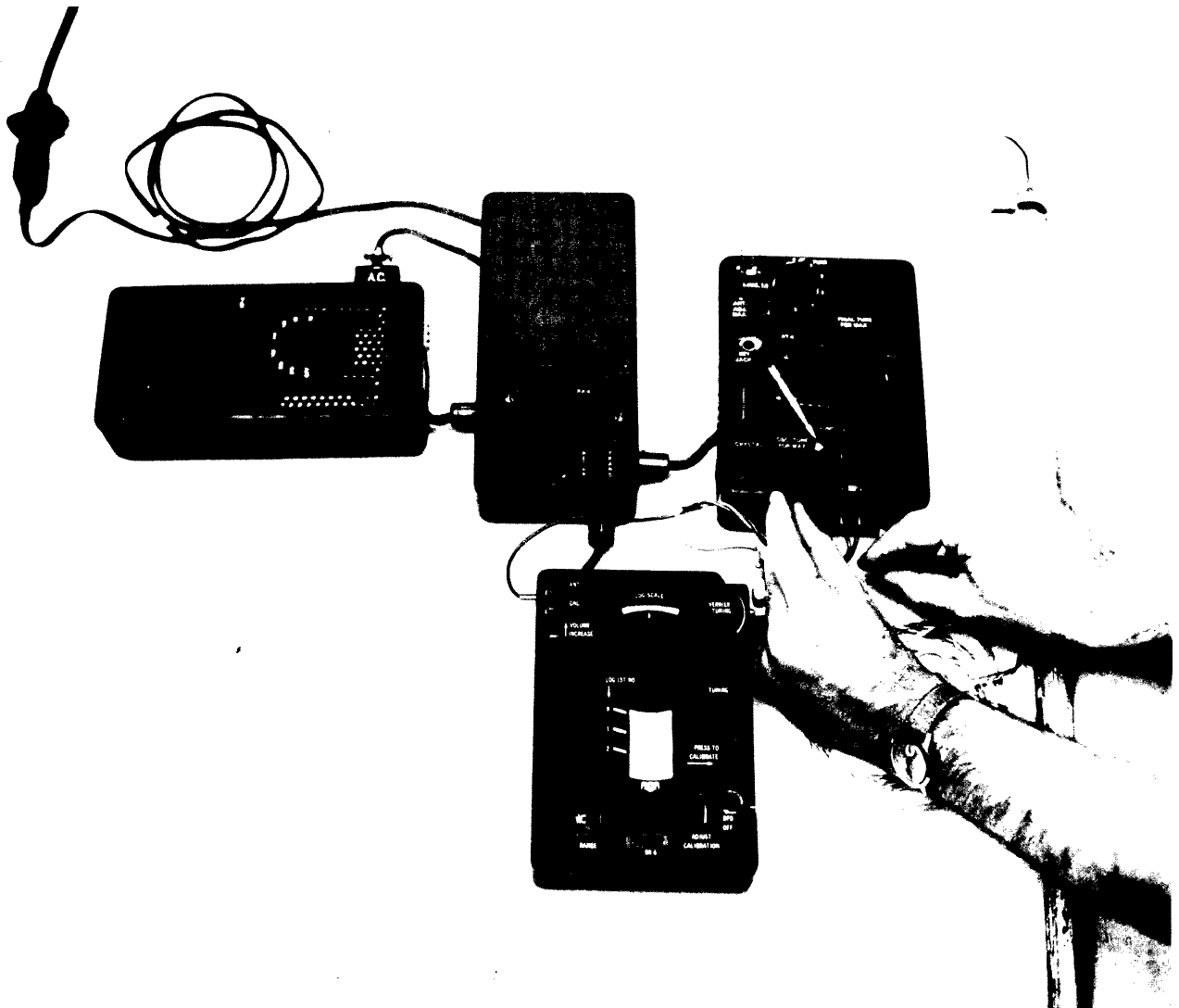
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



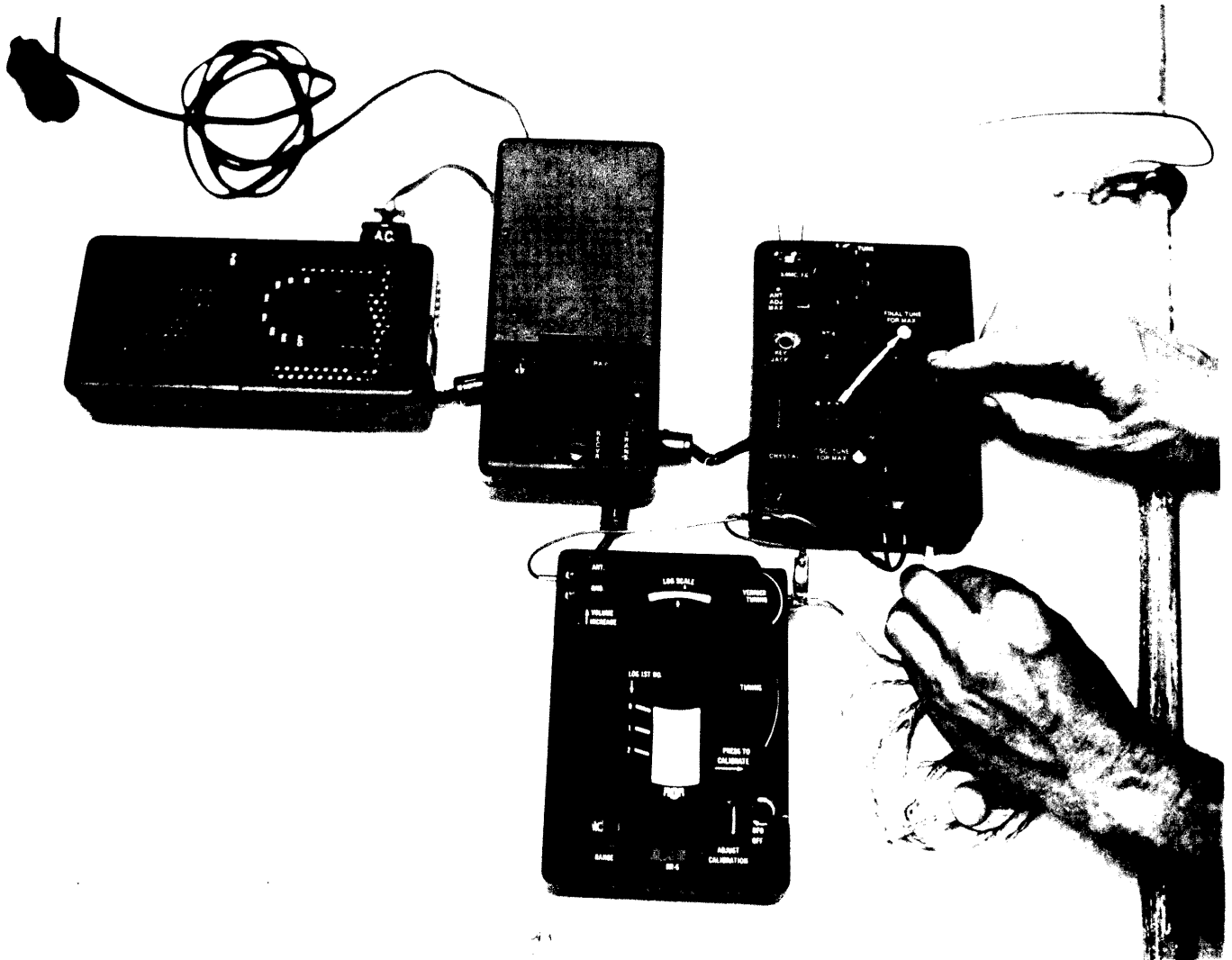
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



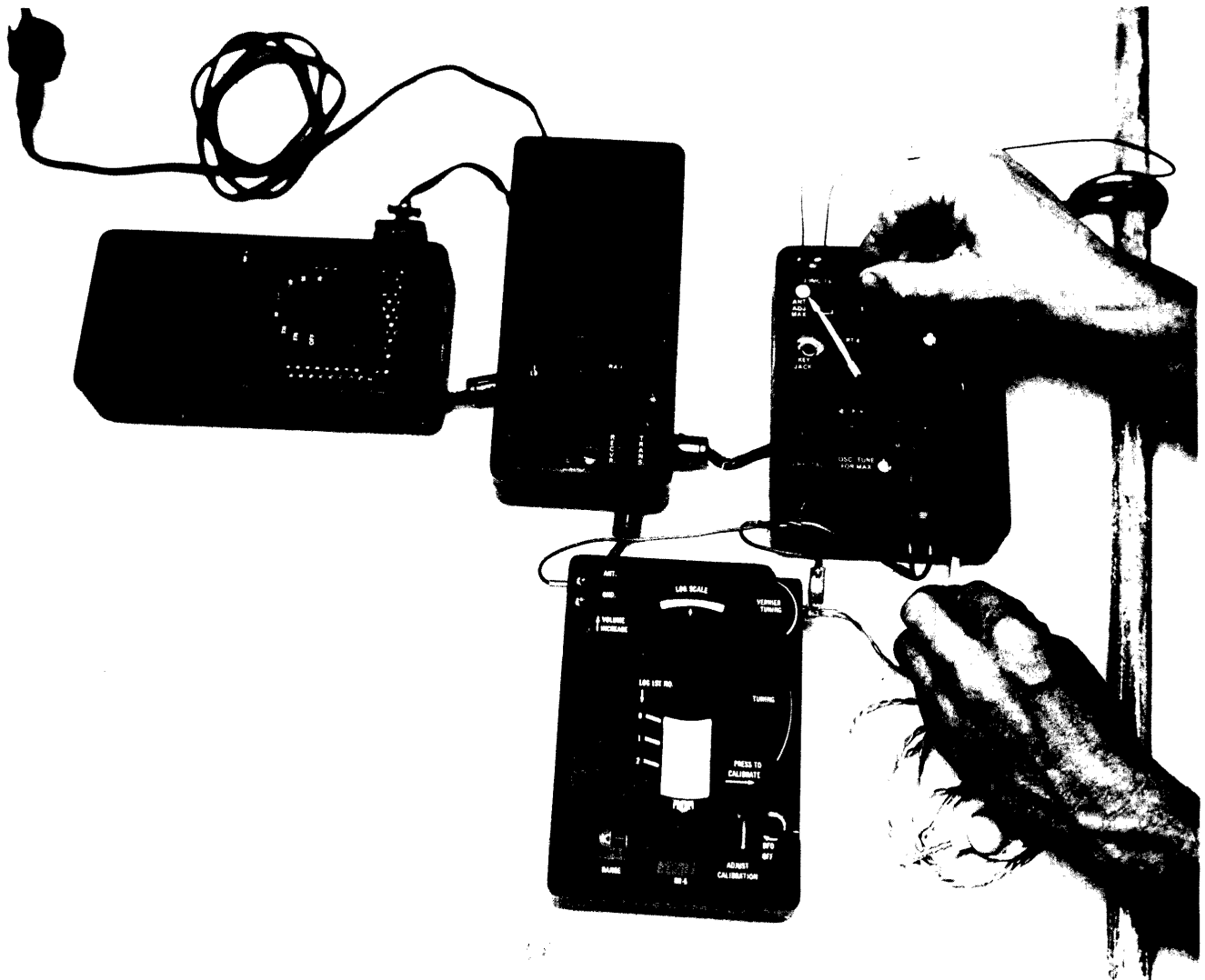
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



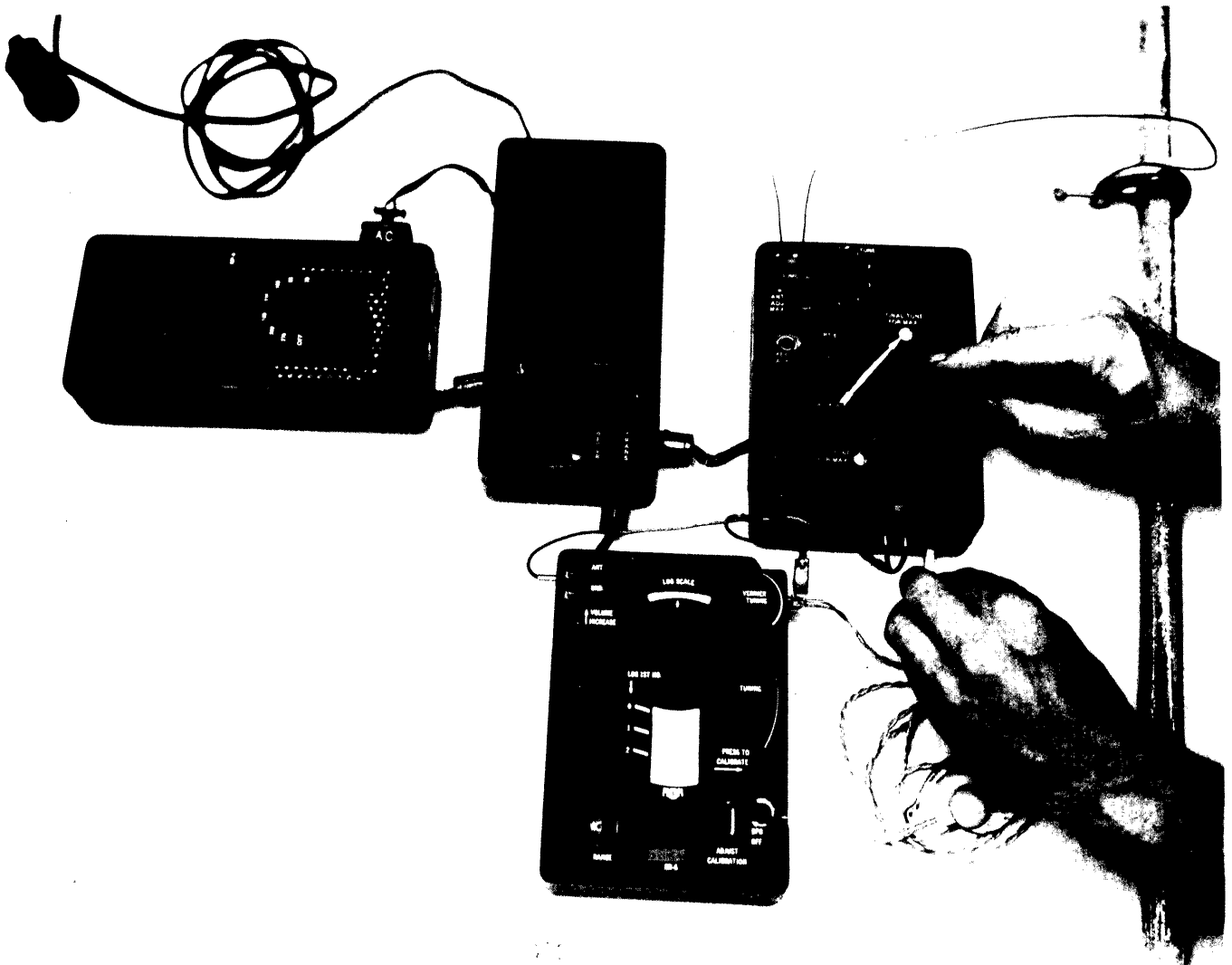
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



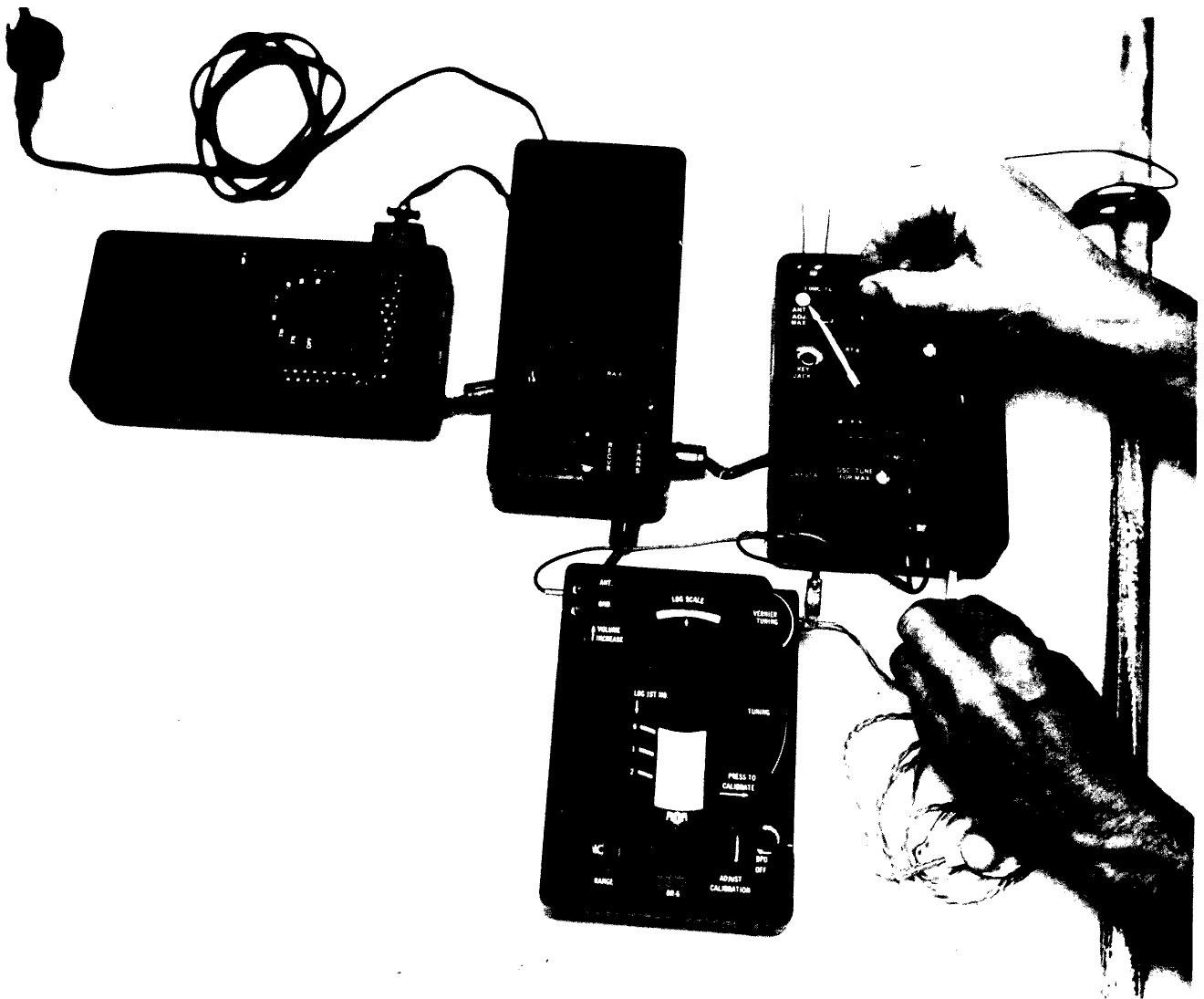
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



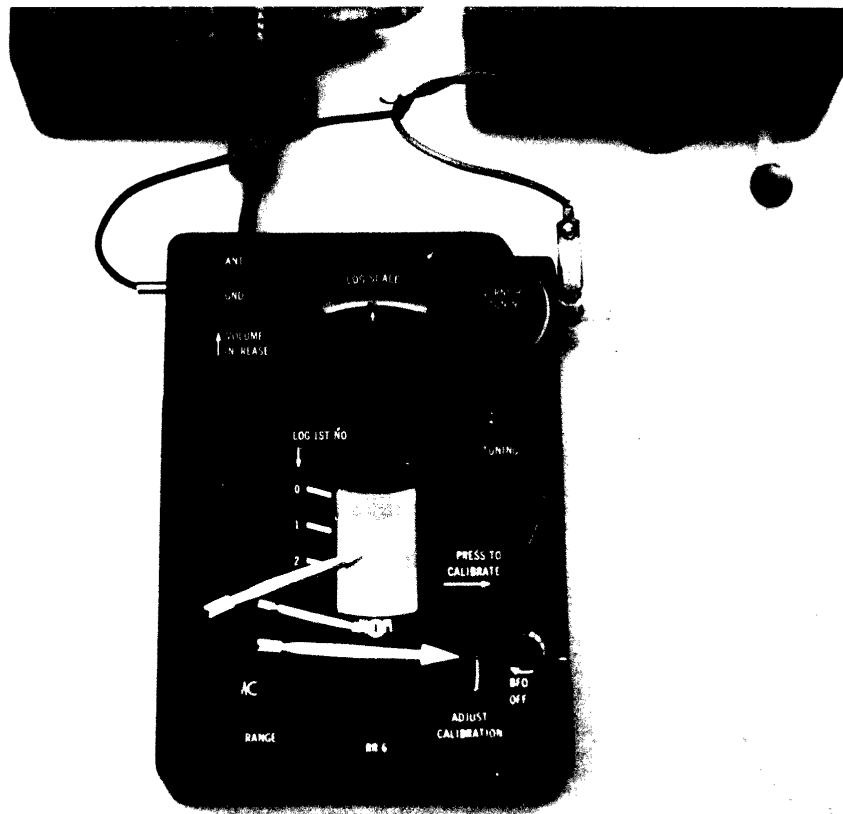
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

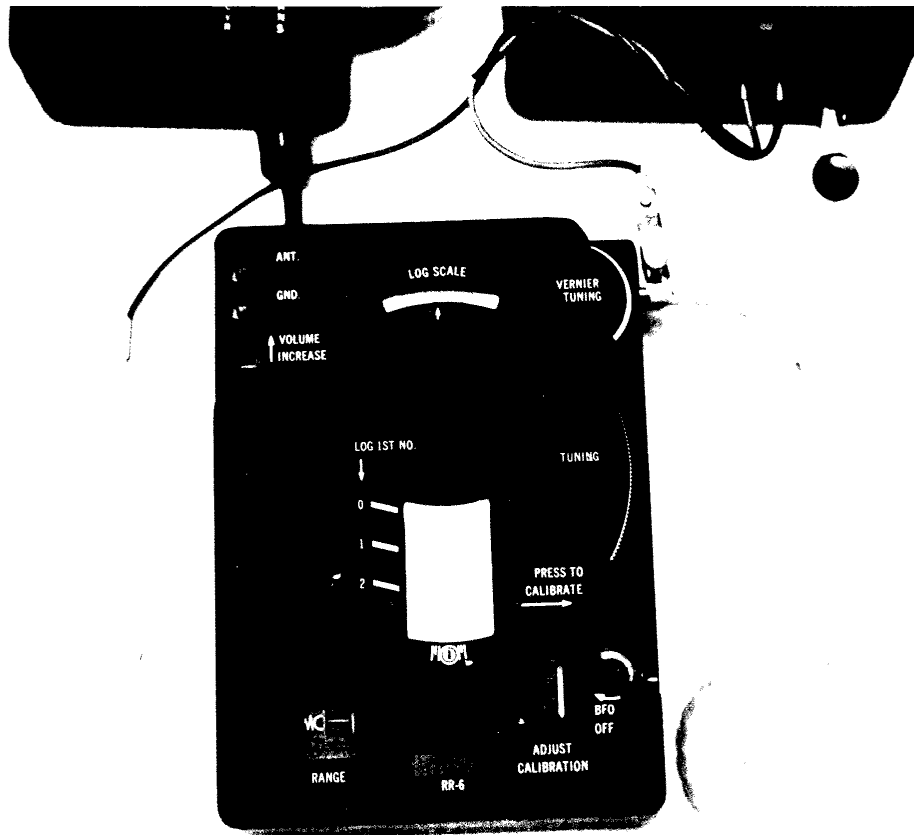
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

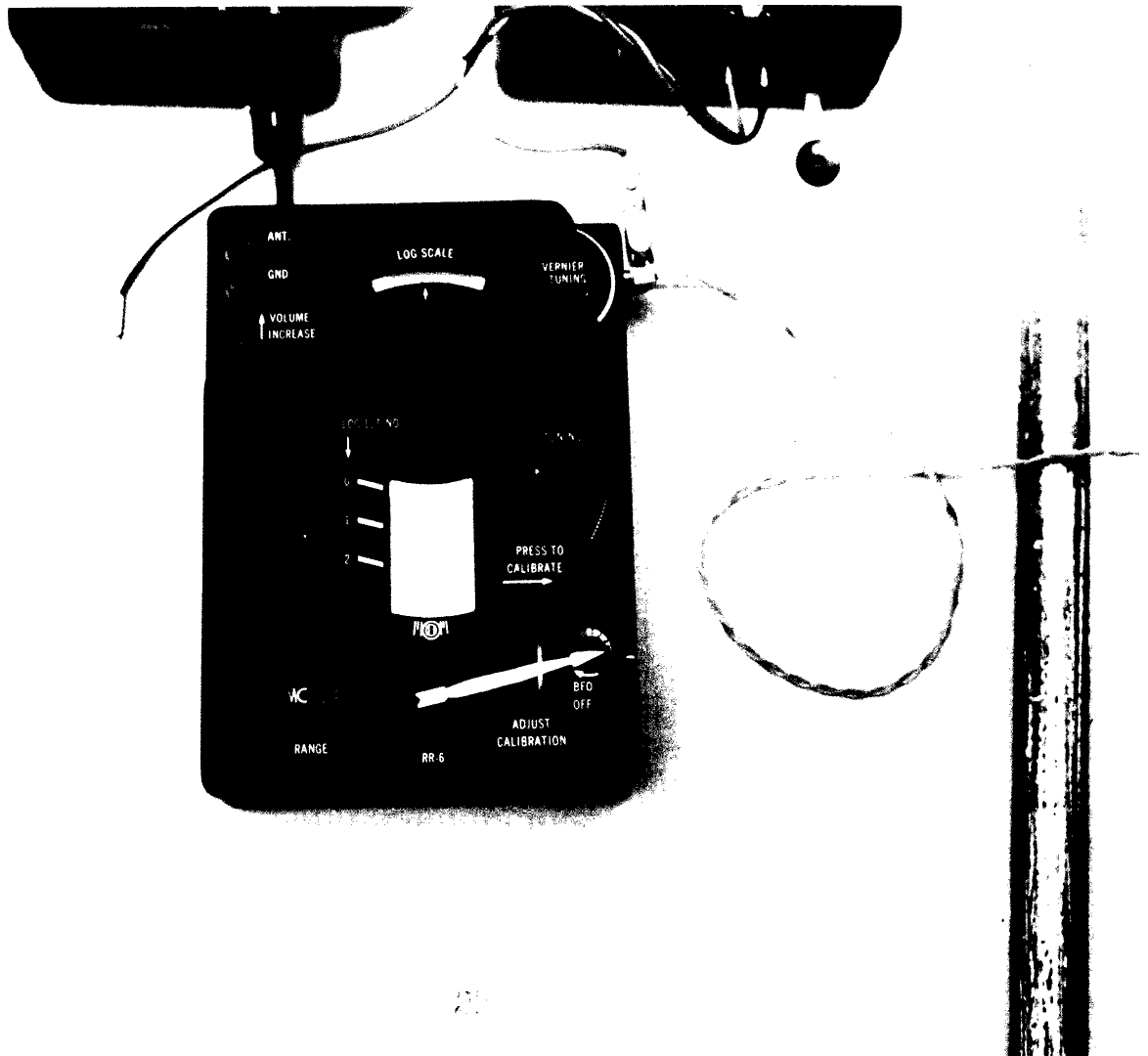


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



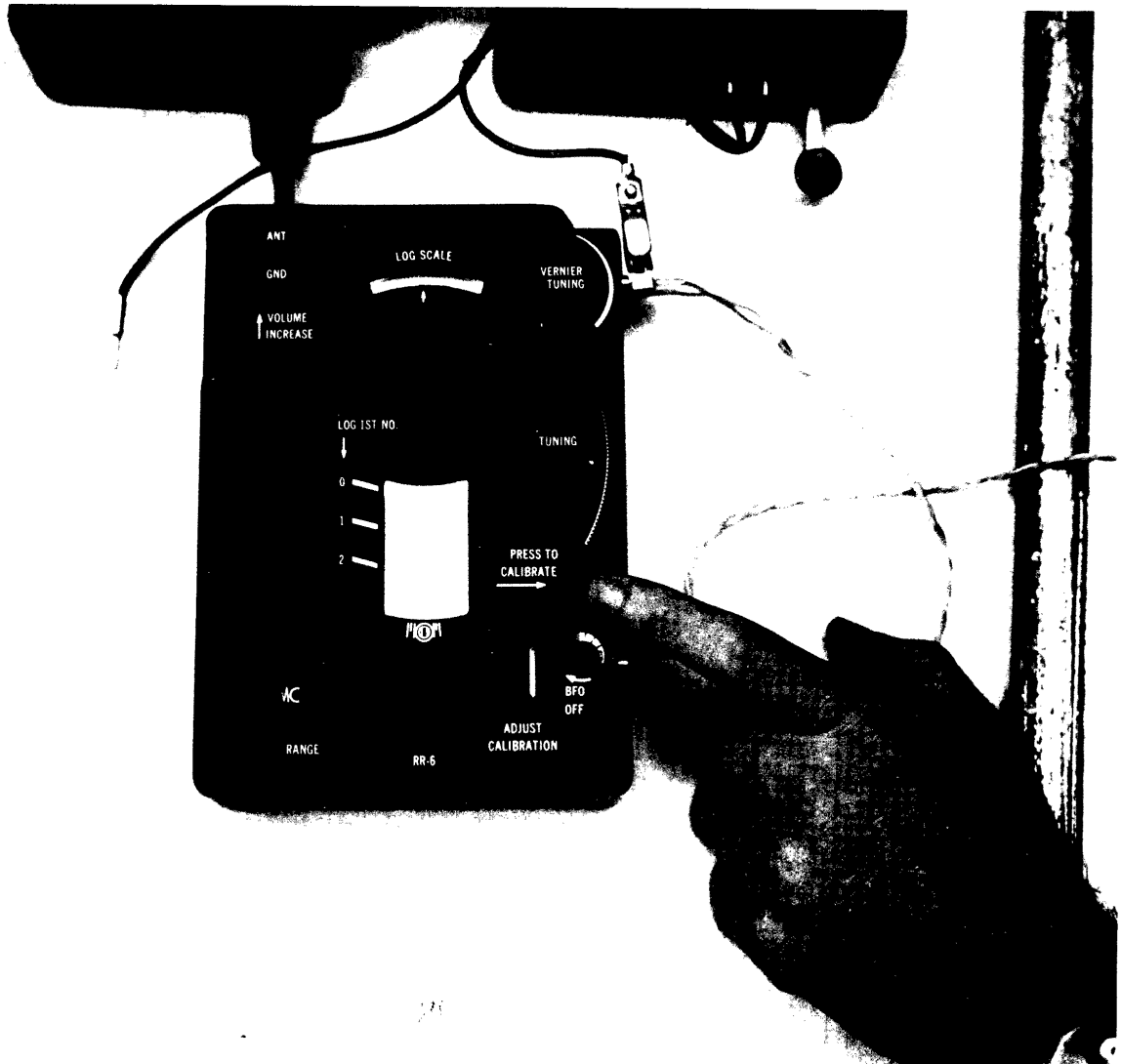
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



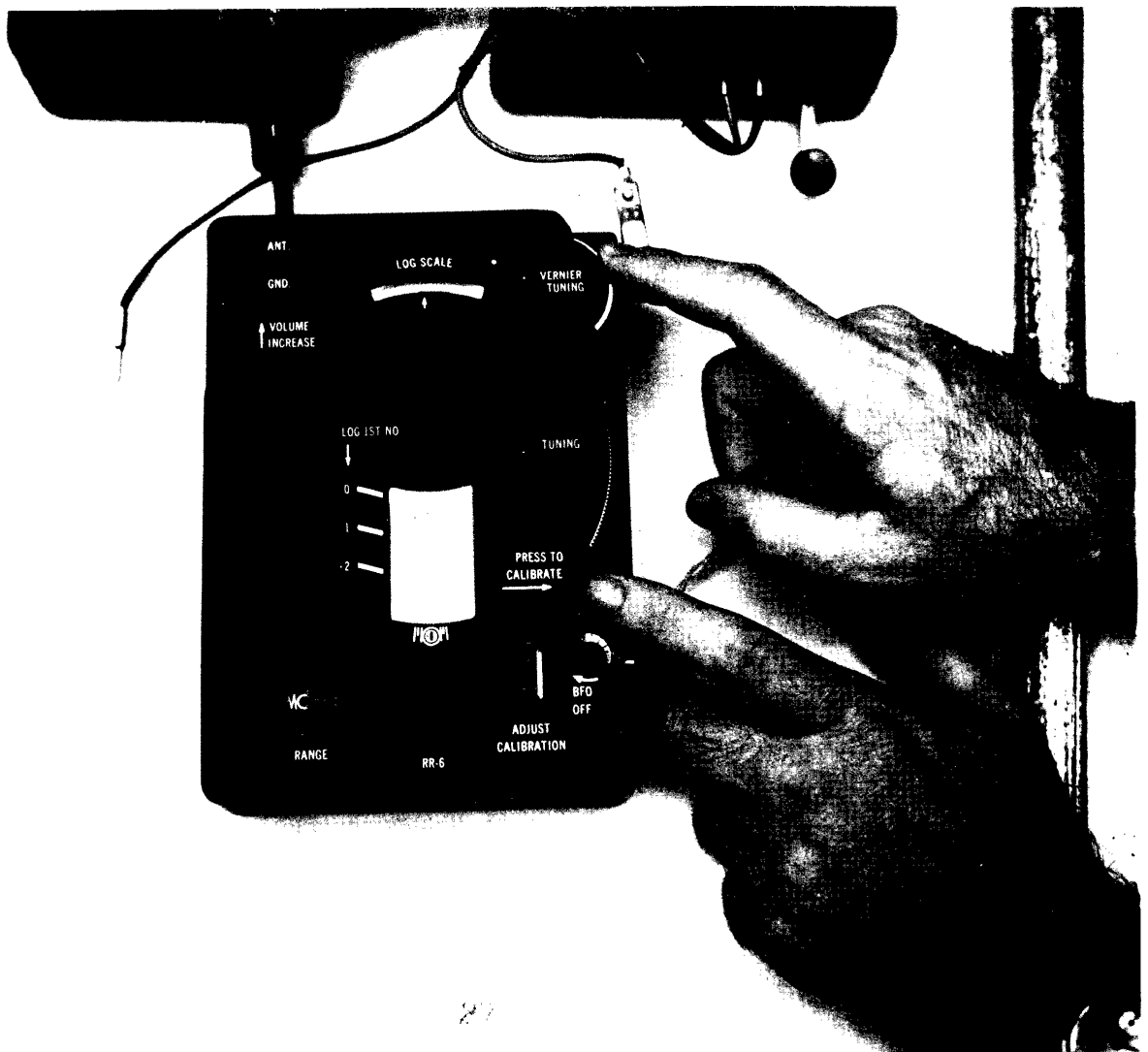
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



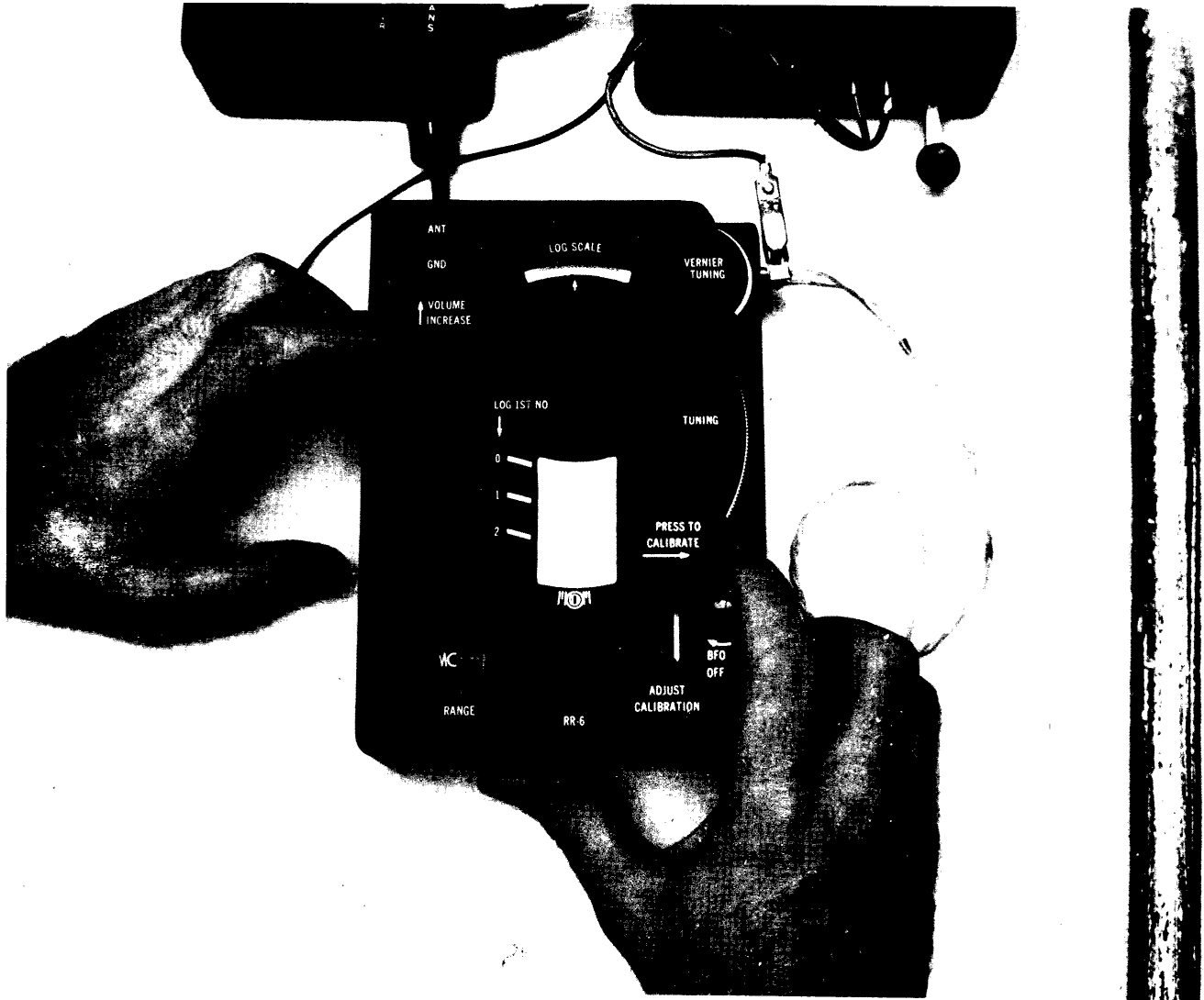
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



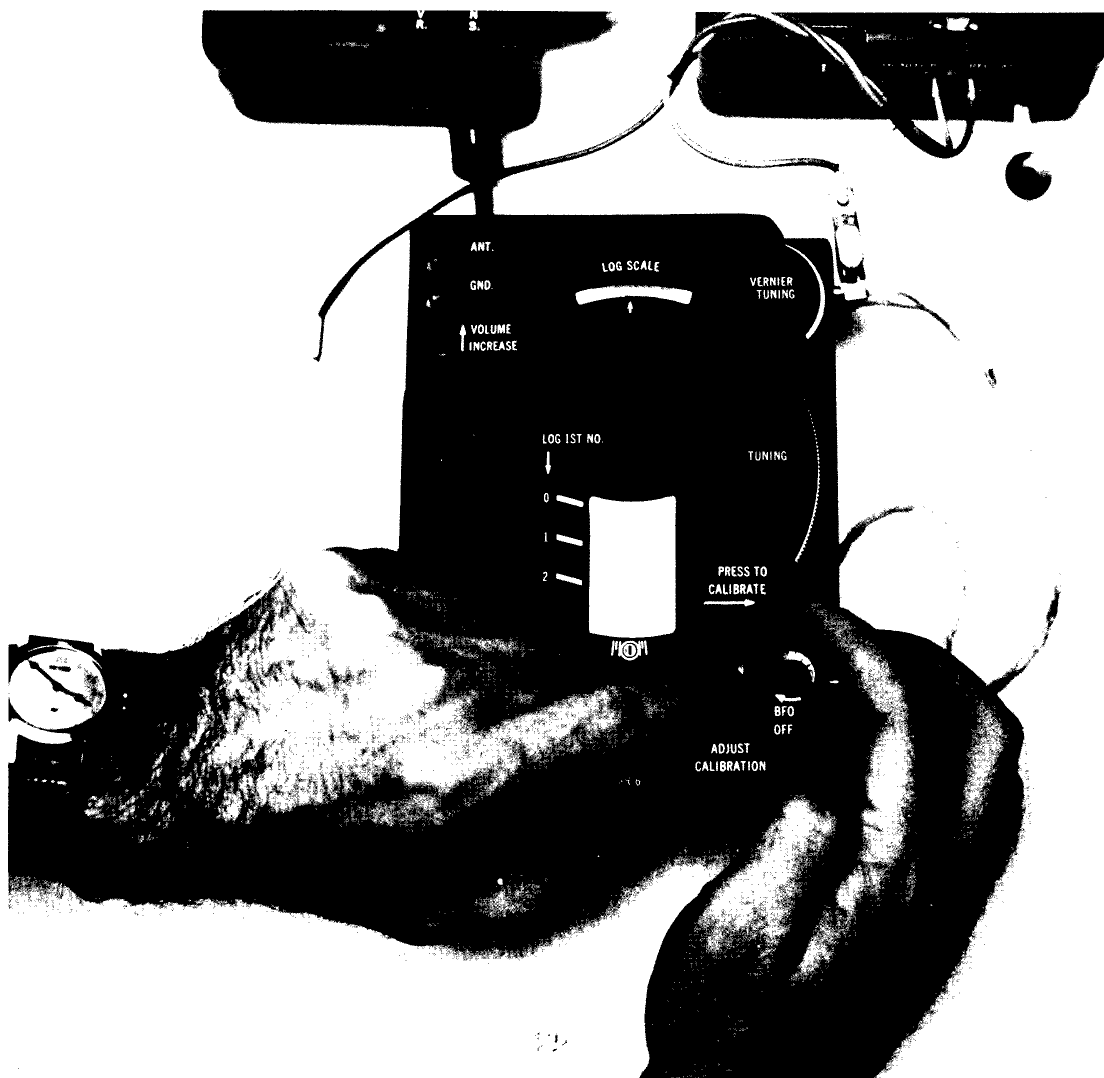
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



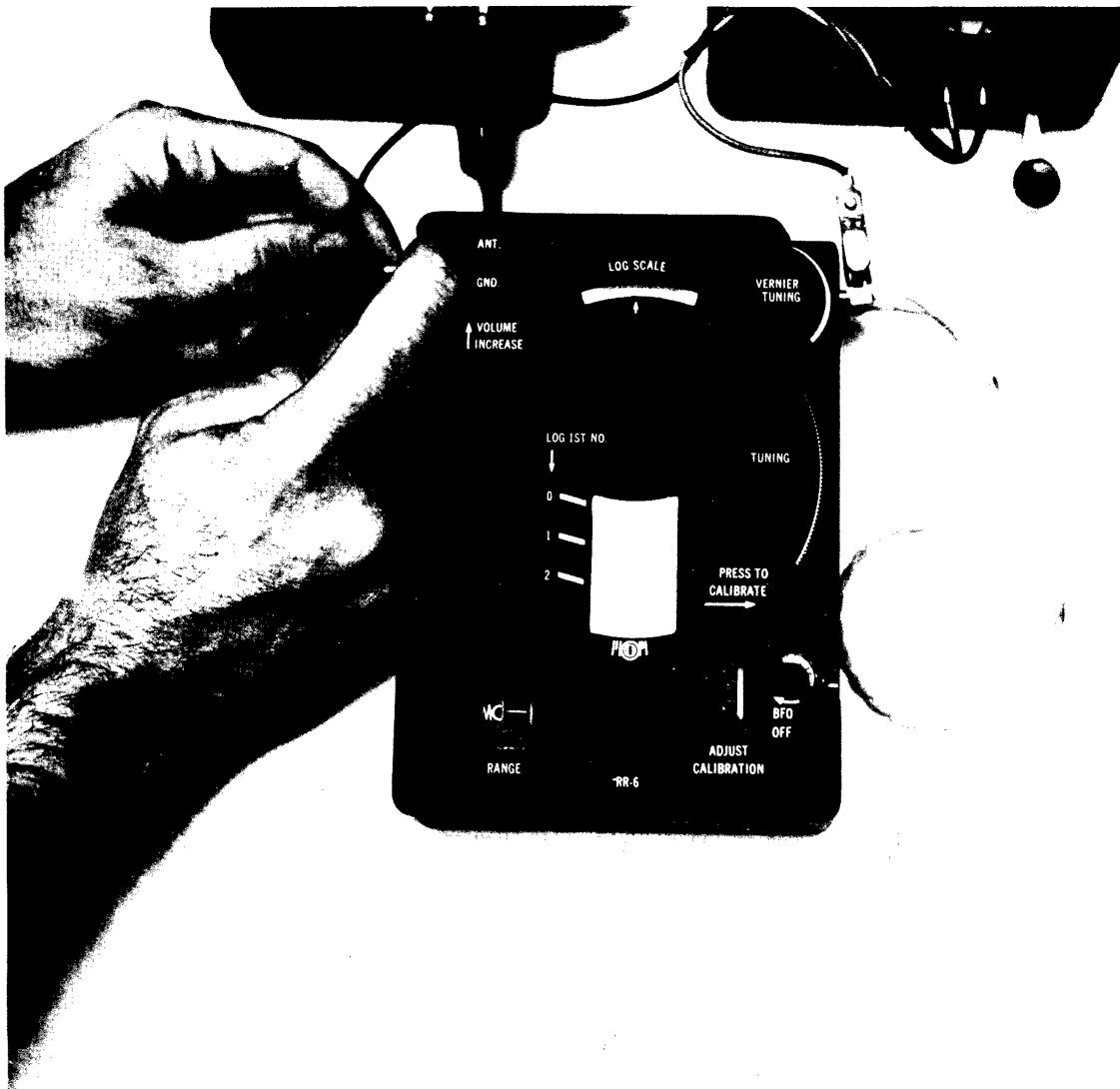
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



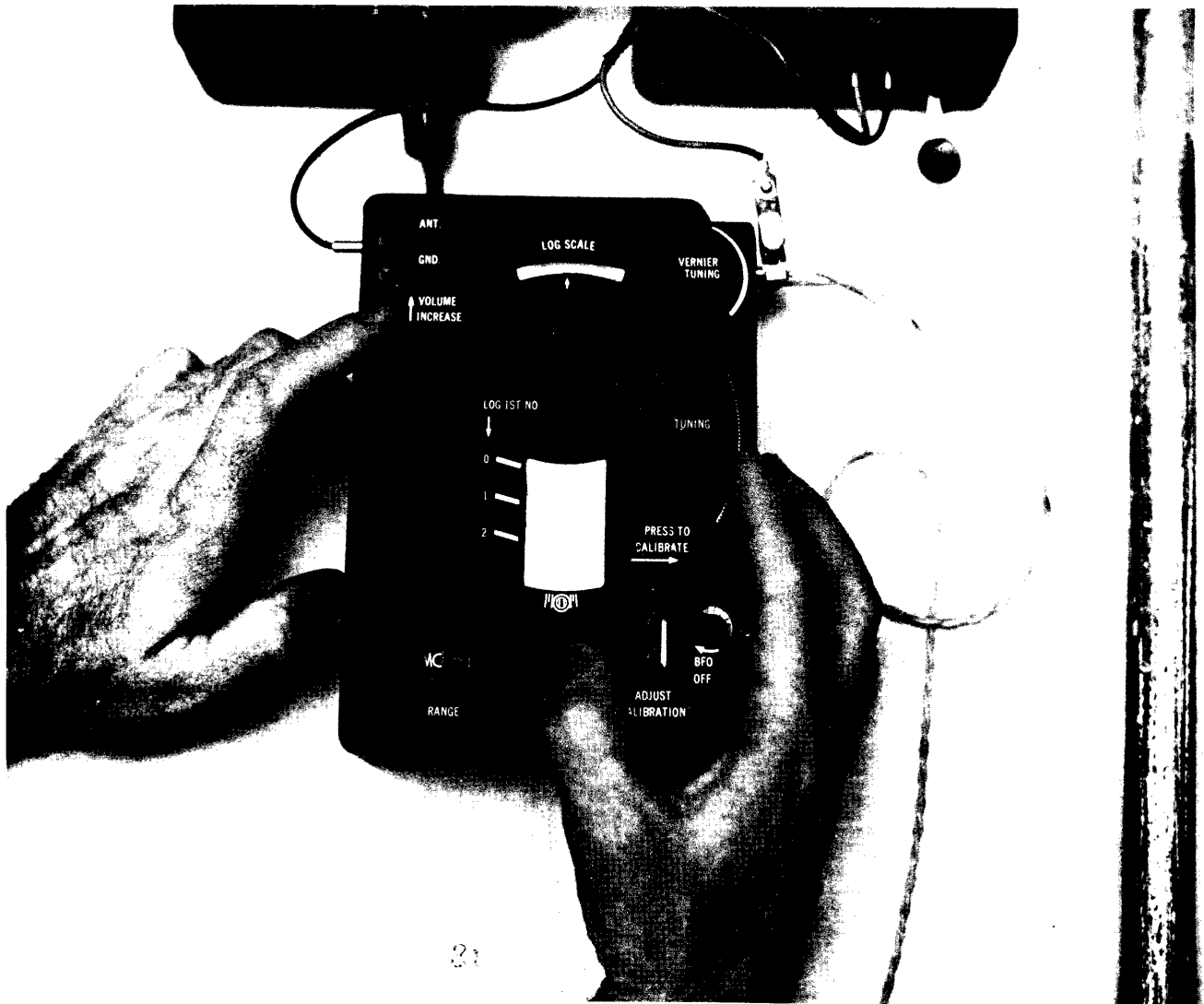
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

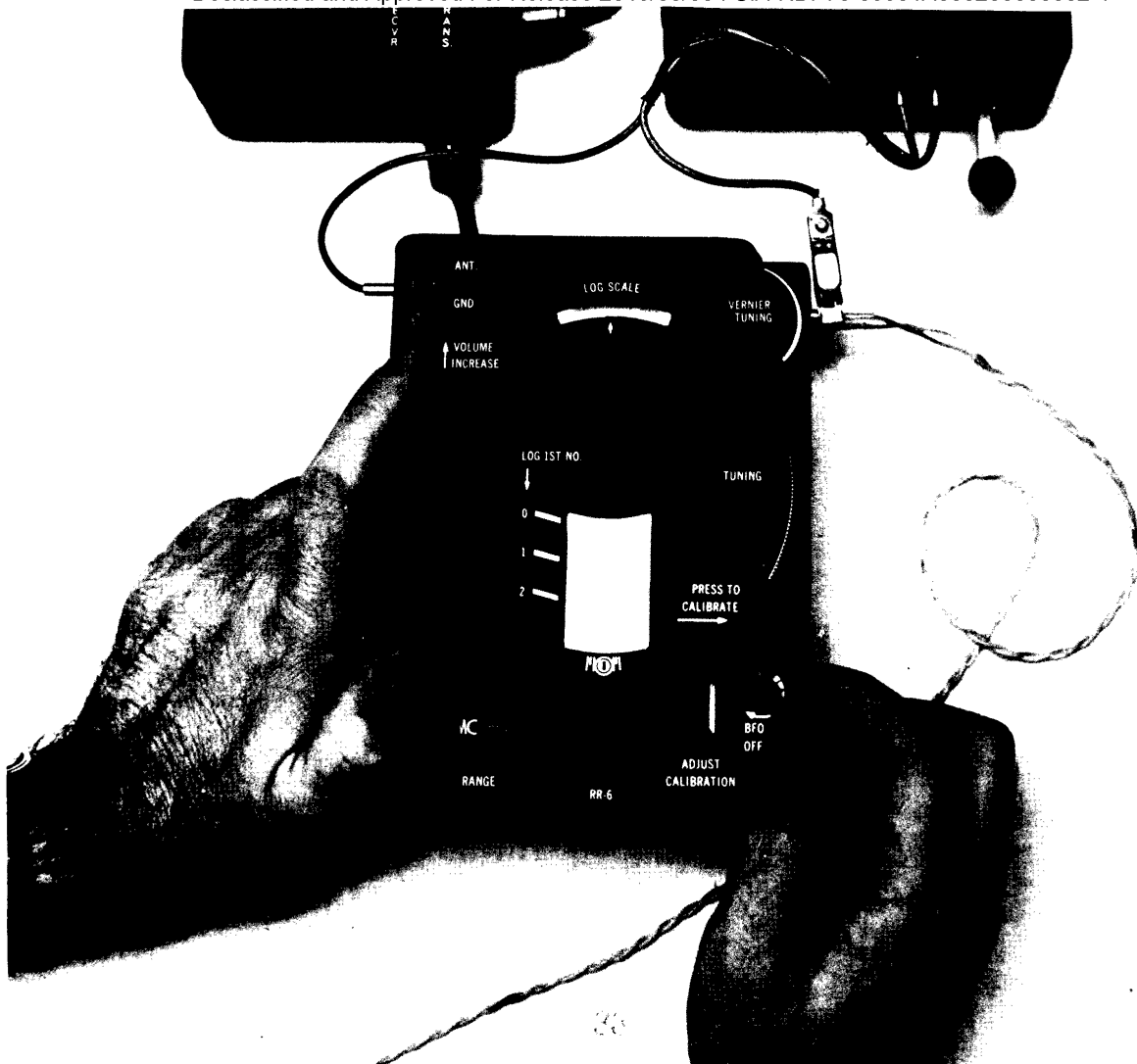


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



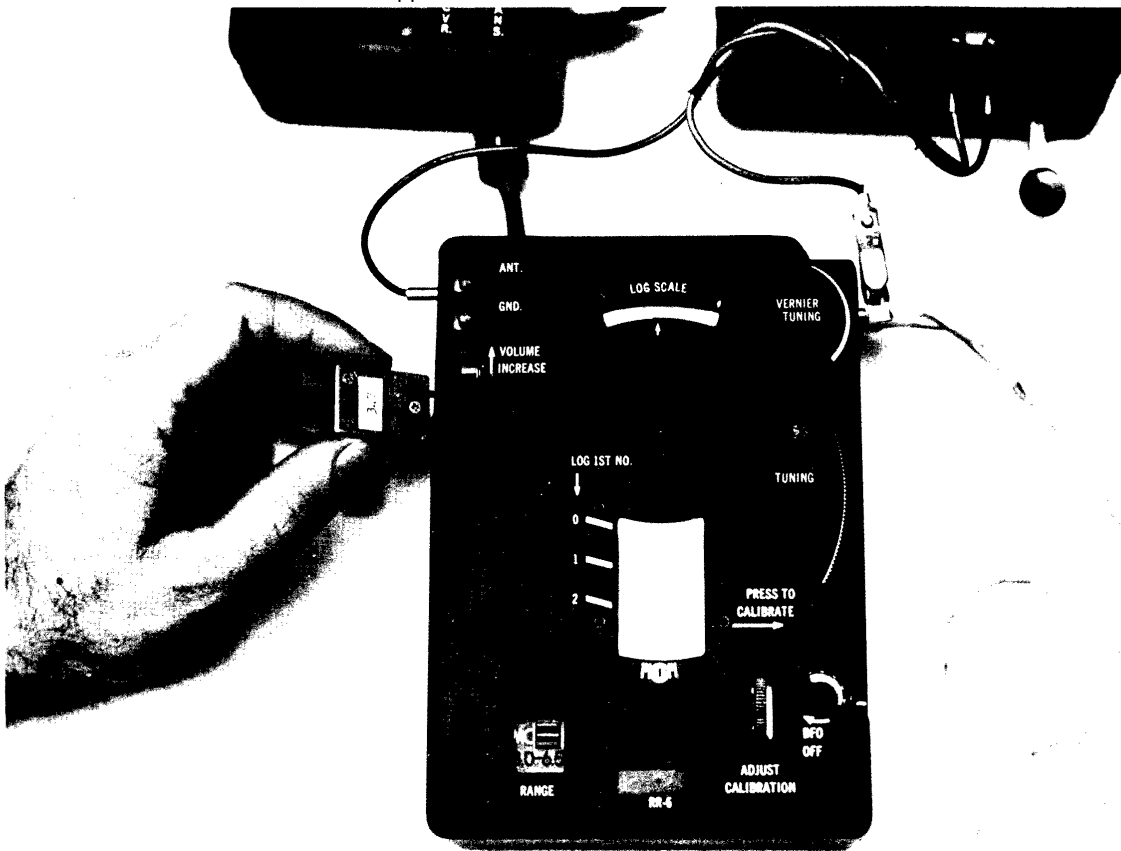
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

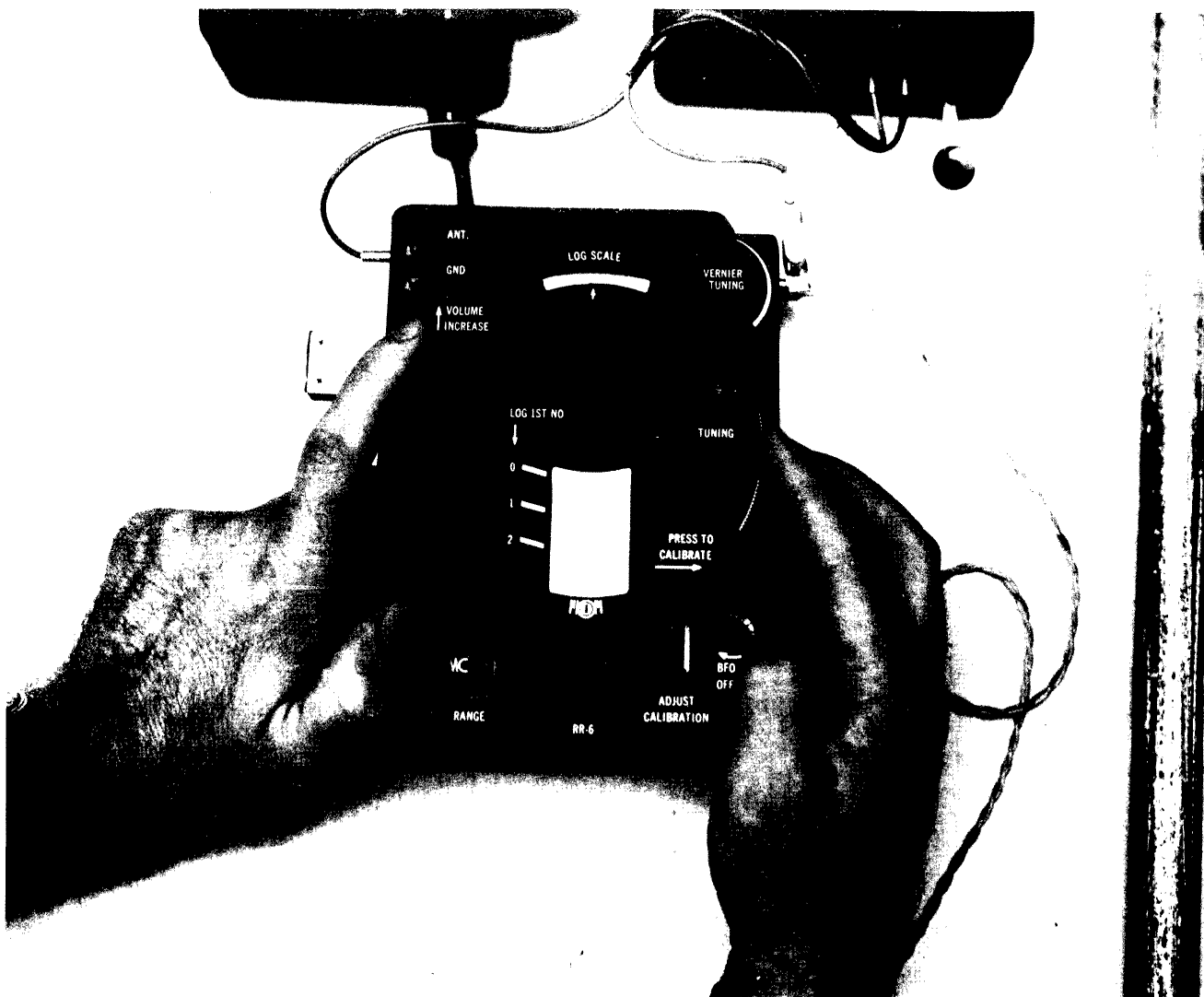


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

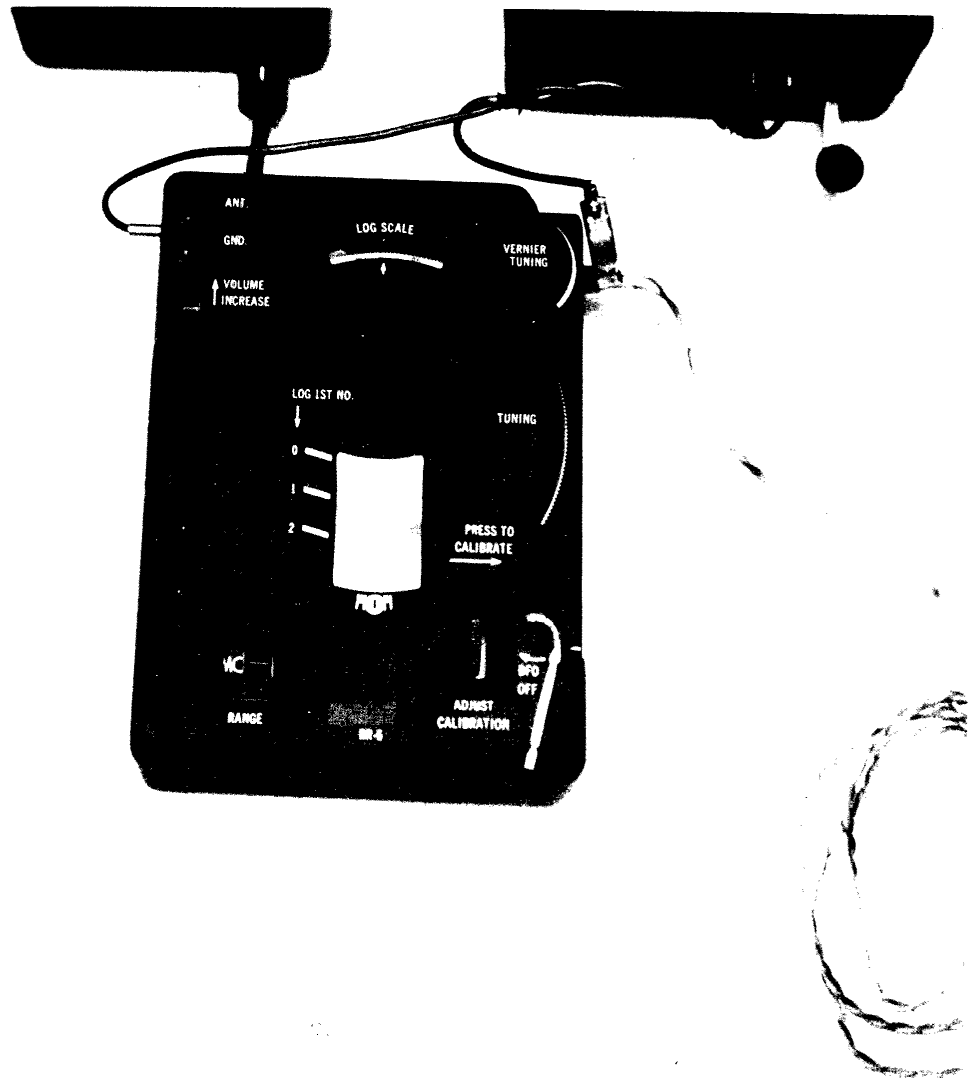
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



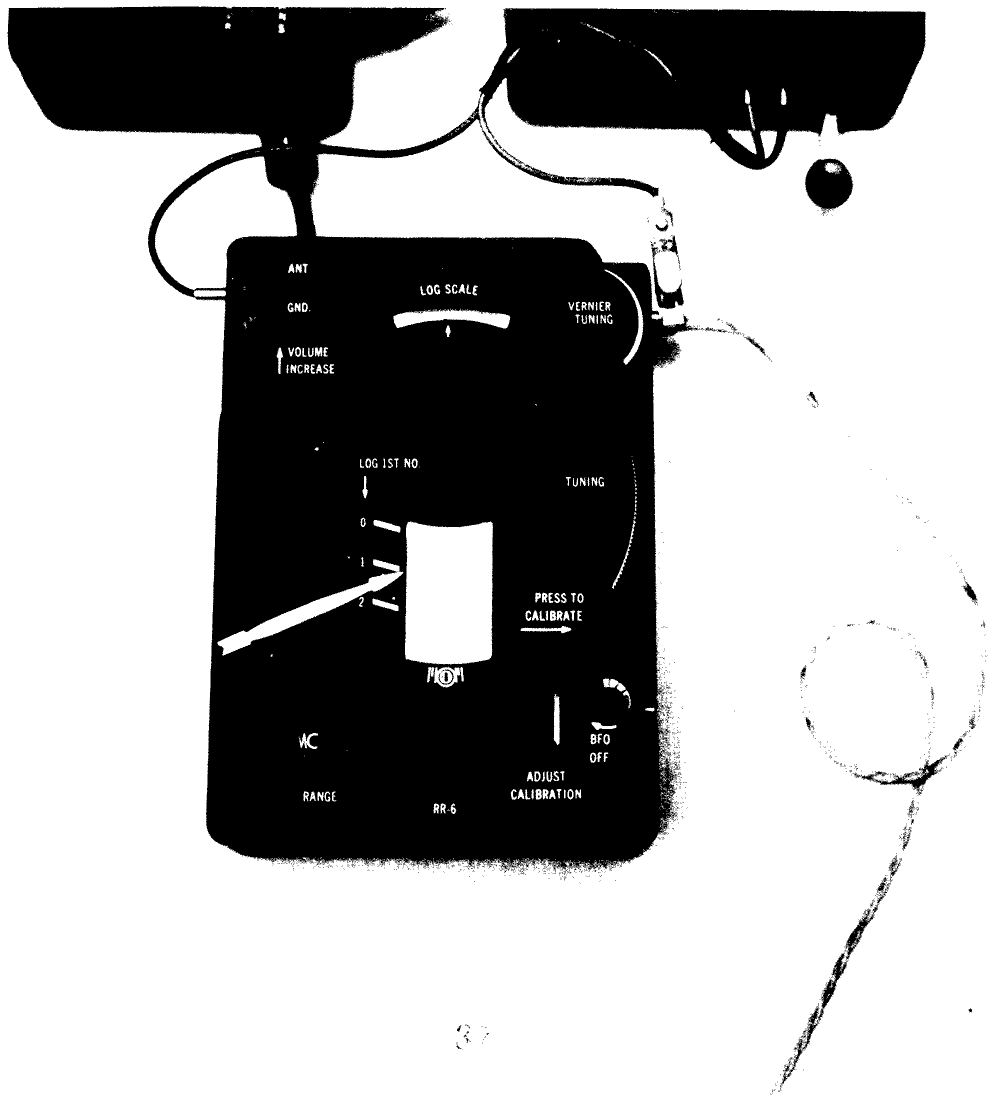
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



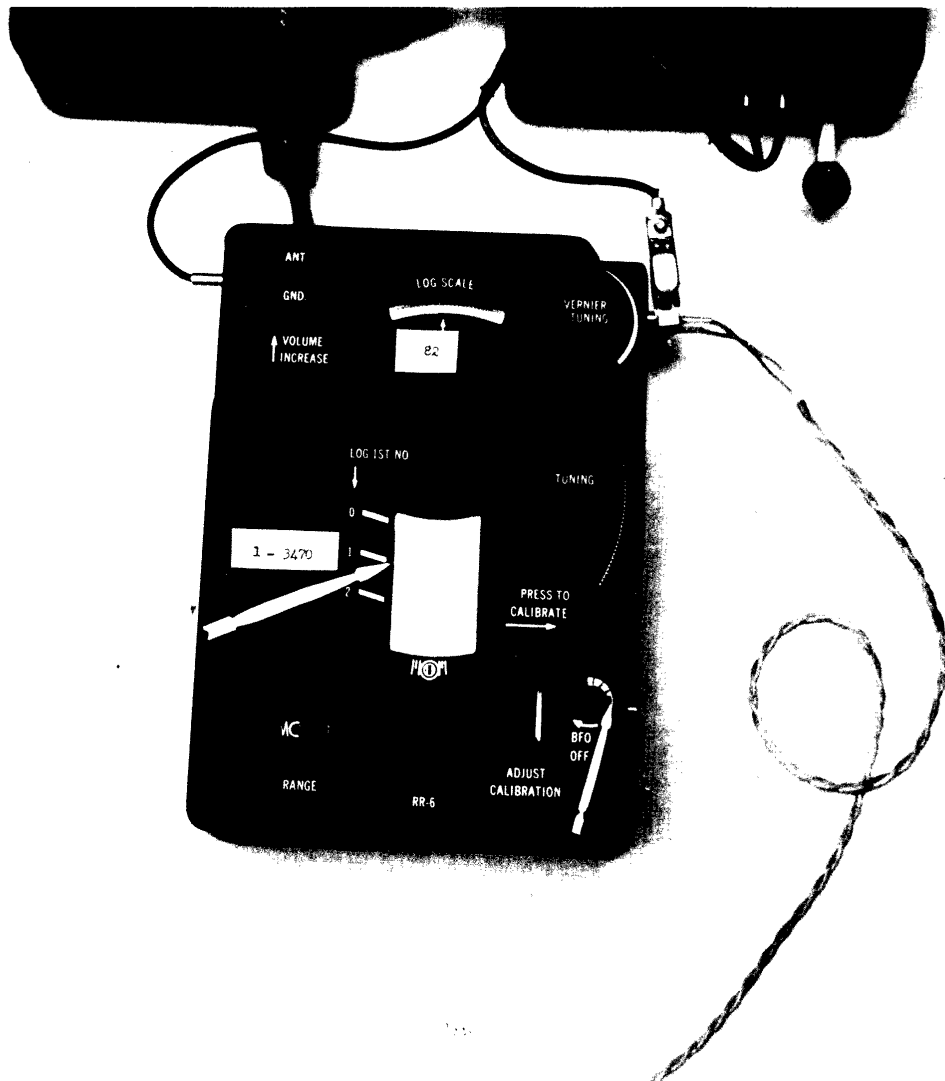
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

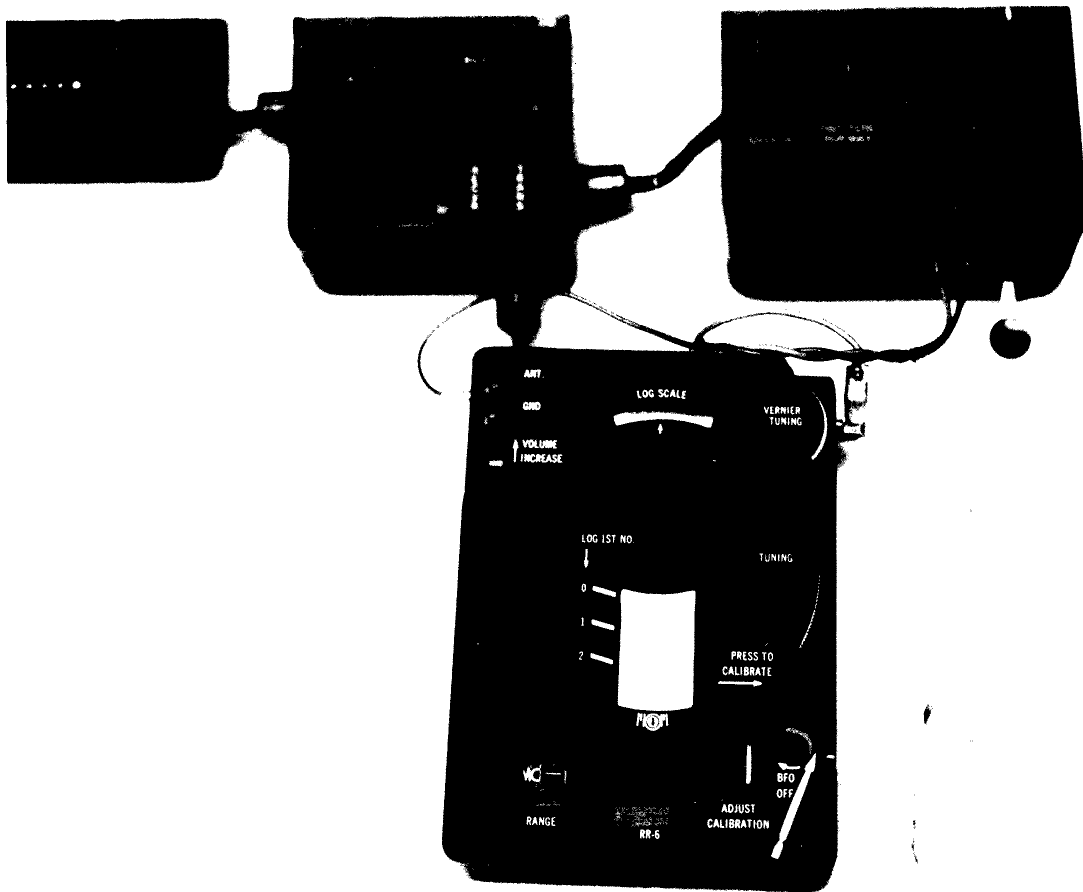


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

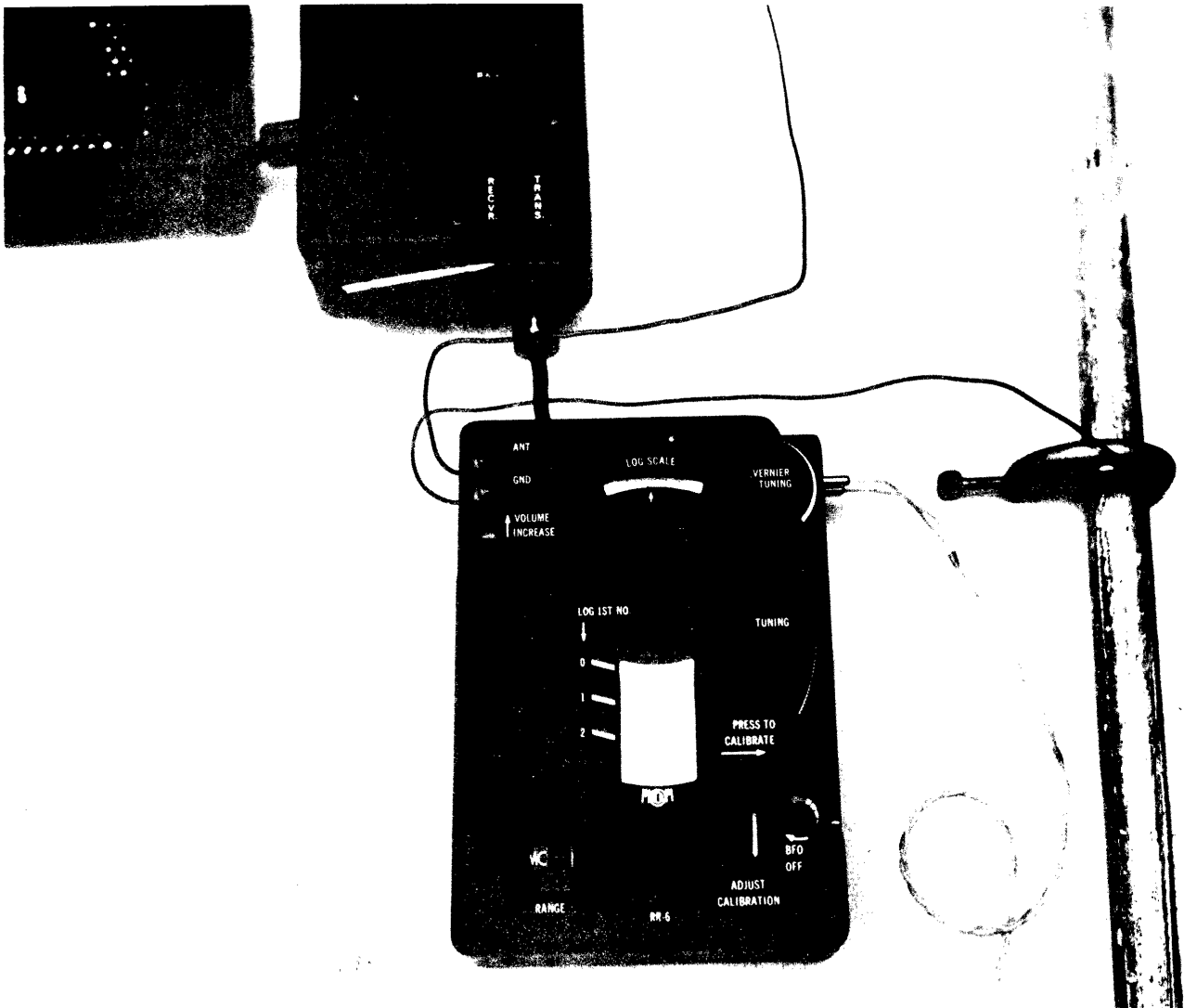
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

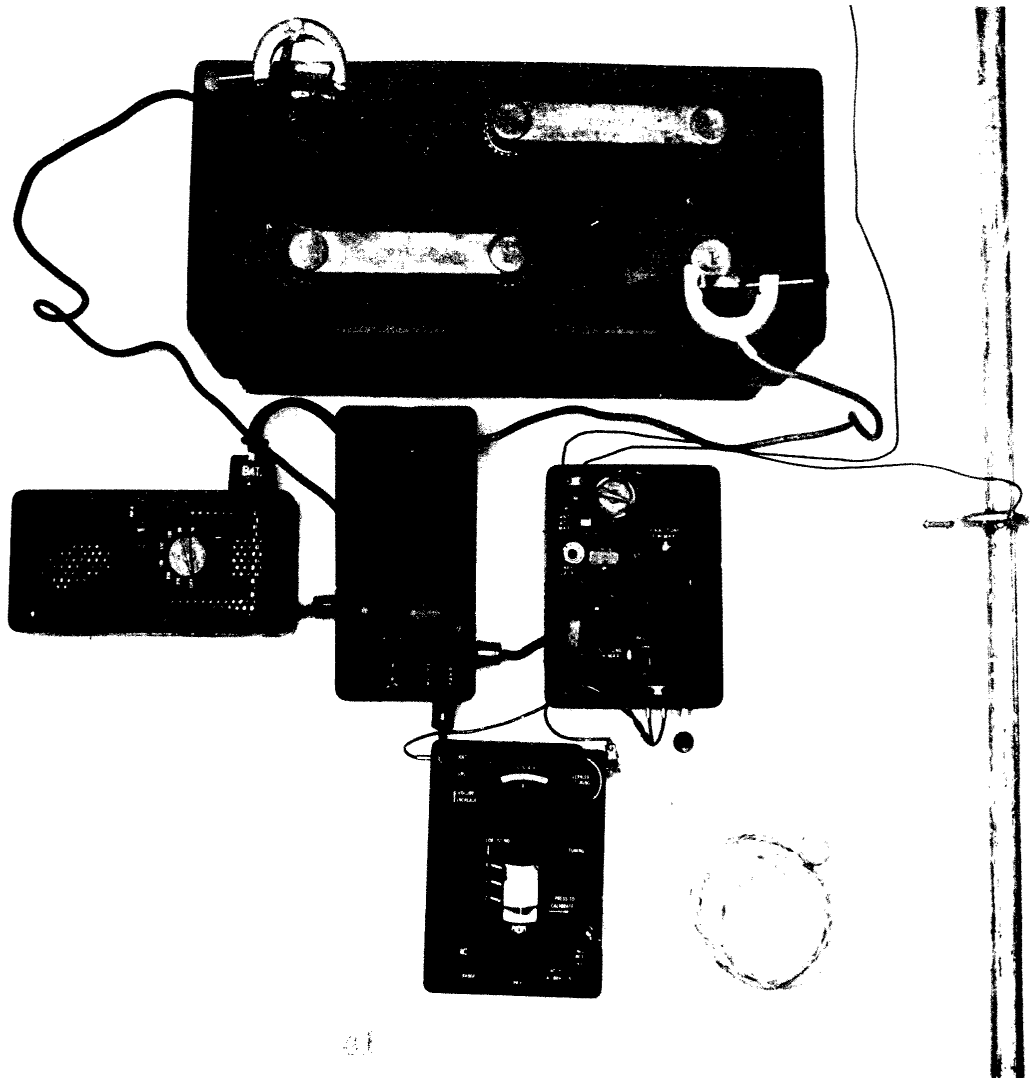


Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



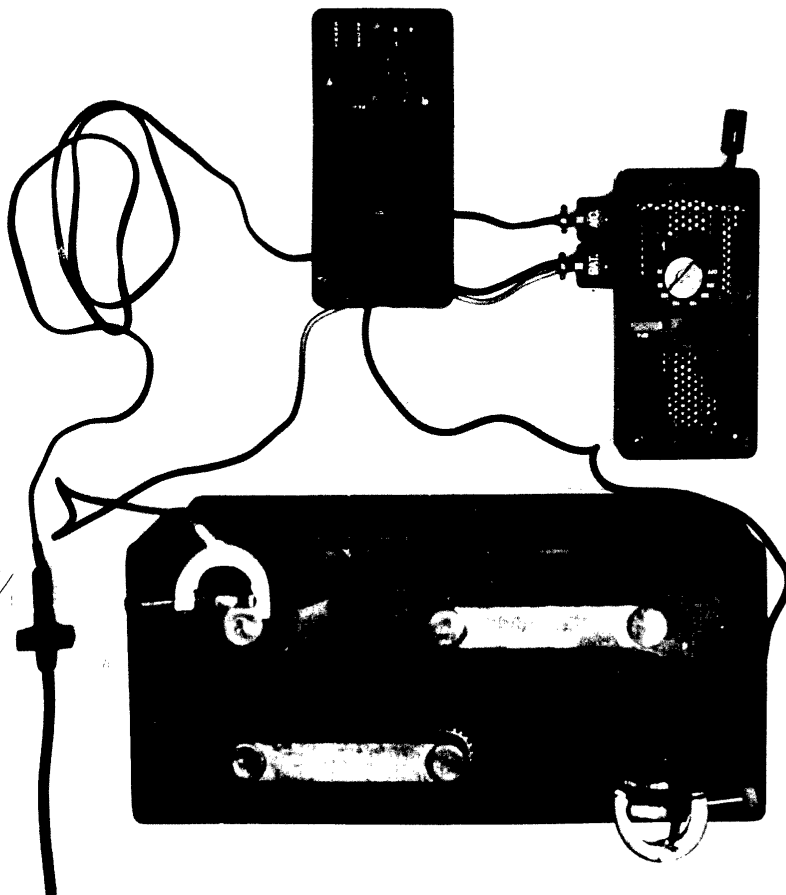
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



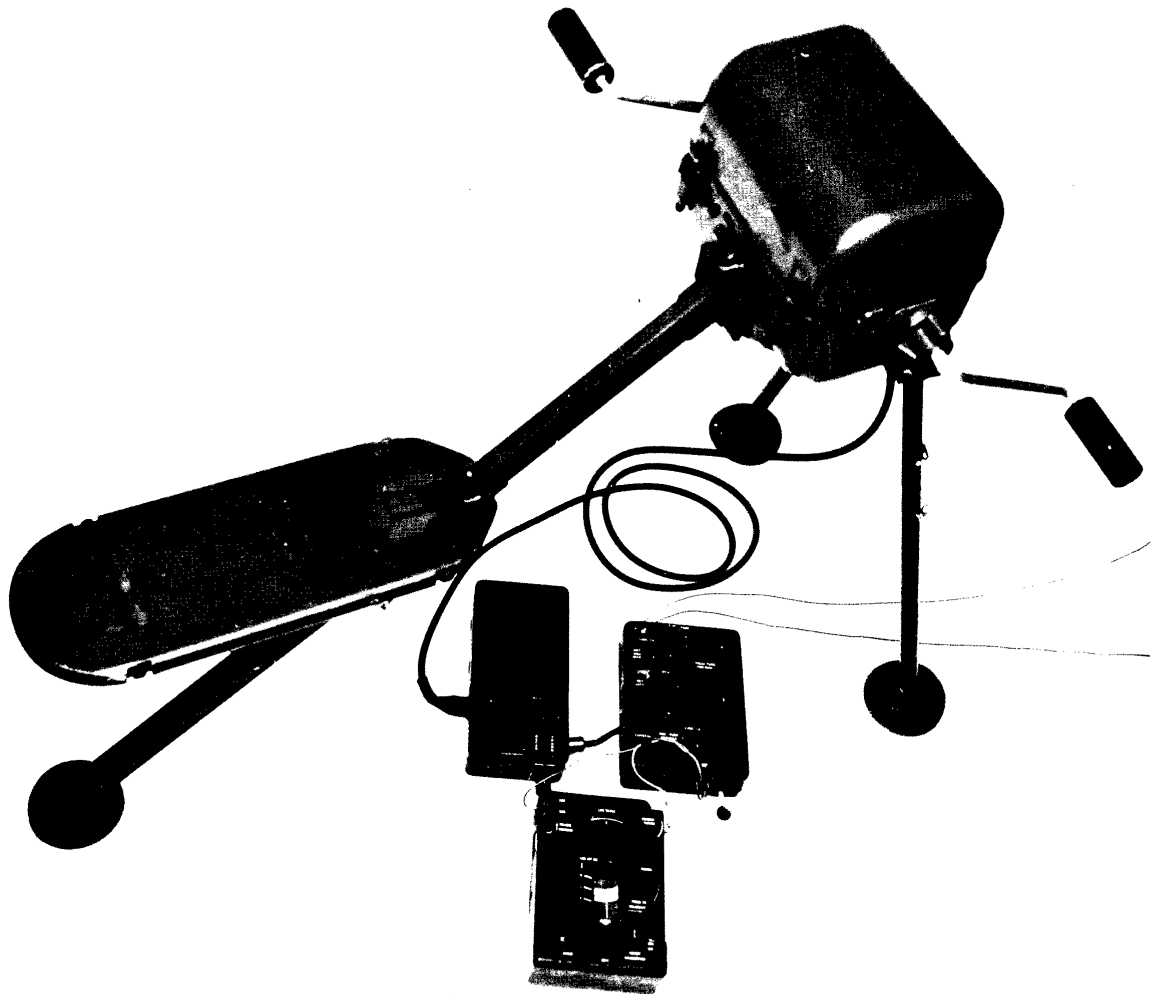
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



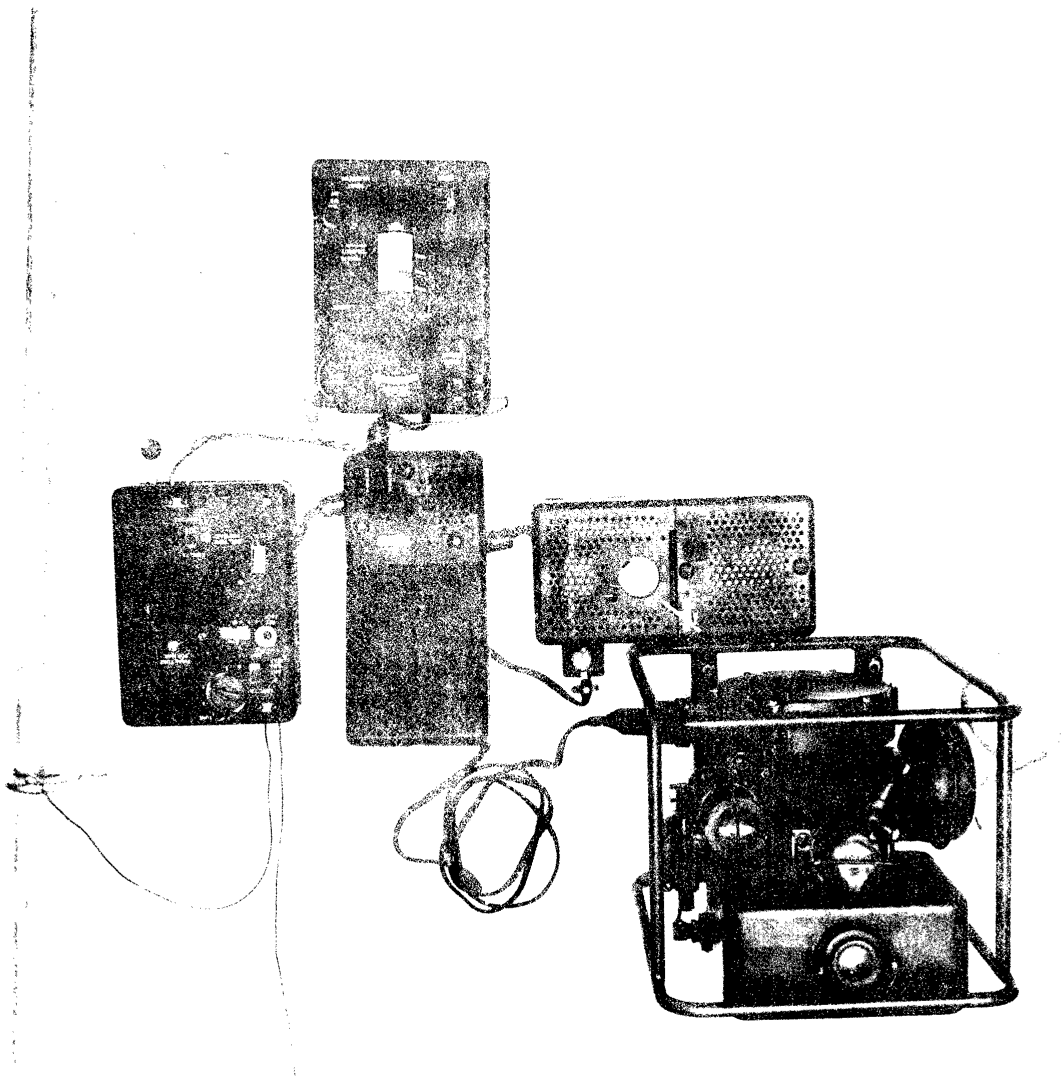
Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

RS-6 ILLUSTRATED OPERATING PROCEDURES

1. Five component units of RS-6 shown in covers.
2. RR-6 (left) and RT-6 (right).
3. RP-6 (left) and RA-6 (right).
4. RT-6 connected to RA-6.
5. RA-6, RT-6 and RR-6 connected.
6. RP-6, RA-6, RT-6 and RA-6 connected.
7. Accessories for RS-6.
8. RS-6 connected to power main and ground for operation. (While length of ground lead is not critical, it should be kept to a minimum).
9. Adjust the voltage selector switch to the first position which produces a glow in the indicator.
10. Set the RECVR-TRANS switch on the RA-6 to TRAN position.
11. A dull red glow will appear in the OCS TUNE FOR MAX indicator when power is present in the transmitter.
12. Convert the kilocycle figure on the crystal for the desired frequency to megacycles.
13. Insert the crystal in the RT-6 transmitter CRYSTAL socket.
14. Adjust the oscillator and antenna band switches to proper range setting for the appropriate crystal frequency.
15. Adjust the Oscillator tuning control to the selected megacycle frequency.

16. Adjust the Final Amplifier tuning control to the selected megacycle frequency.
17. Set the TUNE switch to 0 position.
18. While depressing the sending key, adjust the oscillator tuning control to indicate maximum brilliancy in the neon indicator.
19. While depressing the sending key, adjust the Amplifier tuning control to indicate maximum brilliancy in the neon indicator.
20. While depressing the sending key, adjust the antenna tuning control to indicate maximum brilliancy in the antenna indicator.
21. While depressing the sending key, again adjust the Amplifier tuning control to indicate maximum brilliancy in the neon indicator.
22. While depressing the sending key, again adjust the antenna tuning control to indicate maximum brilliancy in the antenna indicator.
23. To insure accurate tuning on the RR-6 Receiver, it should first be calibrated. Calibration check points are located every 0.5 megacycle along the dial, starting with 3.0 MC. Tune the Receiver to the calibration check point closest to the desired frequency.
24. Disconnect the wire from the Receiver ANT terminal.
25. Adjust the BFO control to zero.
26. Depress the button marked PRESS TO CALIBRATE, wearing the headset. An audible tone should be heard. If no audible tone is heard, increase the volume.
27. Adjust the volume control to the approximate midway point. Rotate the VERNIER TUNING control slightly in both directions until an audible tone is heard.
28. If the tone has a rough or distorted pitch, reduce the volume until a clear, crisp tone is heard. Adjust to zero beat.
29. Adjust the hairline, by means of the ADJUST CALIBRATION control, until it coincides with the calibration point.

30. Reconnect the antenna wire to the Receiver ANT terminal.
31. Tune the Receiver to the desired frequency. At the same time, adjust the volume control to the desired level.
32. When the desired signal is heard, adjust the VERNIER TUNING control for zero beat.
33. Adjust the BFO control for the desired tone, and adjust the volume control to a satisfactory level.
34. If it is desired to employ crystal control for a predetermined frequency of the Receiver, insert the appropriate crystal in the CRYSTAL CONTROL socket.
35. After the crystal has been inserted, tune the Receiver control to the selected frequency, and make any necessary adjustments with the volume control and the BFO control.
36. To log a signal, set the BFO control to zero and tune the Receiver for zero beat on the selected frequency.
37. Note the position of the white horizontal line on the dial scale with respect to the numerals 0, 1, and 2.
38. Record the numeral located immediately above the white horizontal line on the window over the dial scale. Record the two remaining digits from the LOG SCALE.
39. For voice reception, set the BFO Control to OFF position.
40. If it is desired to operate the RR-6 Receiver without the RT-6 Transmitter, set the RECVR-TRANS switch on the RA-6 Accessory unit to RECVR.
41. Connections for operation of the RS-6 on a 6 volt storage battery. If an 8 volt or a 12 volt battery is used, connect only three cells. Connect the black lead to the negative terminal of the battery, and the red lead to the positive terminal.
42. Connections for operation of the RP-6 Power Supply as a battery charger. The power plug to the RA-6 Accessory unit MUST BE DISCONNECTED !



Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1

43. Connections for operation of the RS-6 on Hand Generator GN-58.
44. Connection for operation of the RS-6 on Gasoline Generator SSP-12.

Declassified and Approved For Release 2013/08/06 : CIA-RDP78-03561A000200060002-1