

# Off Center Dipole Fed Antenna for 80- 40- 20- 15- and 10- meter Bands

Credit Line: Radio and TV-news, June, 1958

A Four- Bands Off-Center Dipole Antenna (for 80- 40- 20- and 10- meter Bands) is well known among radio amateurs. However, the antenna could be tuned to the fifth band (15- meter) just by adding of two 2 insulators and two closed stub with electrical length  $\lambda/4$  at the 15- meter Band. **Figure 1** shows the antenna.

The parts of the antenna, that are located before the insulators (from feeding terminals), work on the 15- meter Band. The  $\lambda/4$  closed stubs cut off from the antenna the parts of the antenna located after insulators on the 15- meter Band.

At the other bands all parts of the antenna are worked because the stubs included in the overall antenna length.

The  $\lambda/4$  closed stubs made from a ribbon two wire ladder line. Length each of the stub is 4.85- meter. One end of the stub closed another end of the

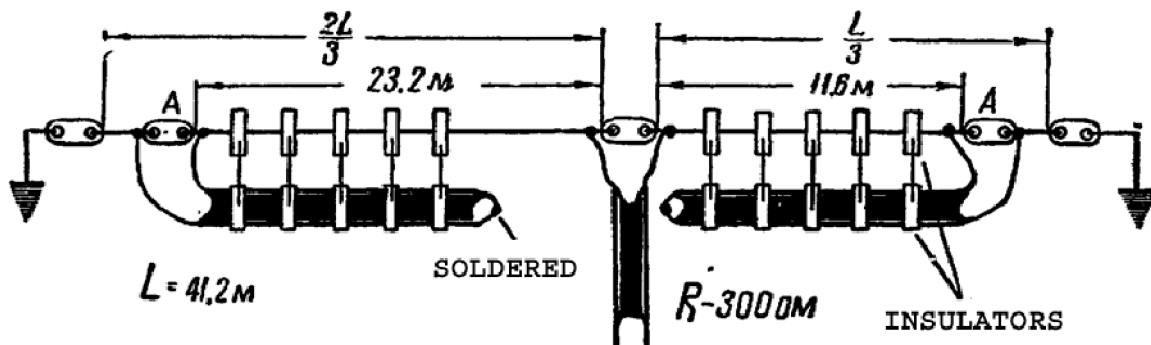
stub soldered to the antenna. Length of the wires between antenna and the stub is 15- cm. Stub should be tuned to the 15- meter Band (for example with help of a DIP-Meter) before the installation into the antenna.



Radio and TV-news, June, 1958  
Front Cover

Both stubs should be tuned onto the same frequency.

The antenna worked great at the all five bands.



**Figure 1** Off Centre Dipole Fed Antenna for 80- 40- 20- 15- and 10- meter Bands