

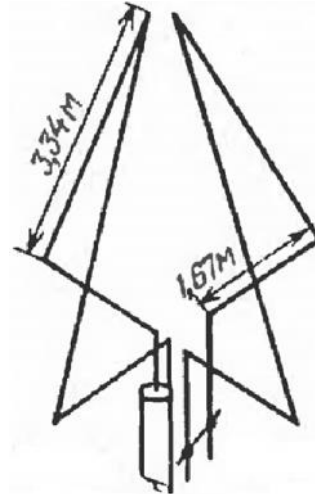
Twin Triangle Antenna for 10- meter Band

Yuriy Kondrat'ev, UA1ZAS

Credit Line: Radio # 2, 1977, p.: 19

The antenna is used at the 10- meter Band. Antenna made from two wires triangles. The triangles are fastened to my Ground Plane antenna for the 20- meter band. The triangles do not influenced to the ground plane.

Tuning of the antenna is simple. SWR of the antenna tune at first by length of the radiated triangle. Then stub is tuned to minimum back radiation. The efficiency of the antenna is close to antenna G4ZU. Antenna may be fed by 50- or 75- Ohm Coaxial cable.



Compact Twin Delta Antenna for 80- and 40- meter Bands

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Credit Line: Old Man # 4, 1976

The antenna has wide broadband at the 80- and 40- meter Bands. So the antenna does not require any tuning. Antenna is simple in design and takes lots room for installation. Antenna radiates a vertical polarisation wave with almost circle DD in horizontal plane. Antenna is not critical to the sizes. It could be got good result at perimeter of each triangle $\lambda/4$ at lower band at the antenna. However, the antenna is still working when perimeter of the each triangle is $\lambda/8$ at the lower band of the antenna.

Antenna is fed by 300- Ohm ladder line. However, for the antenna feeding it is possible use a coaxial cable if the top load resistor would be changed (resistance should be decreased).

Antenna was made practically and hanged up at height 1- meter above the ground. SWR of the antenna was less the 2.0: 1.0 at the bands. SWR may be decreased by changing resistance the top resistor (for local conditions).

