

## RADIO KRONICA 2 by Giovanni – IOKQB *english version*

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Antennas , expectations , results .

Three years ago , coming back to the radio activity , I asked from myself some different questions regarding what kind of antennas to use , operating most on portable.

Frankly , coming from the 70's and 80's school , the handmaking of dipoles , verticals and directives has been one of my first thought .

Without any doubt at all , at first I thrown in the construction of dipoles , always lights and functionals .

Starting from the most classic half wave monoband's one , continuing with the multiband symmetric and asymmetric , ending with the coax folded one .

Of course , coax folded dipoles. Have you ever heard about it or build one of it ?

Reading a marvellous italian book entitled - Antenne riceventi e trasmettenti – Receiving and transmitting antennas - , I read the paragraph regarding the coax folded dipole , founding the usual proper calculation formula ( here is 144: frequency ) and a couple of drawings really explanatory about it .

Practically , we take a length of RG58 cable according with the half wave of the desired band and with it , following the construction's instructions , in a few time we'll have a dipole , silent and efficient .

I won't bore you with the construction's description !

This antenna is really a particular one . Being practically a loop , it's more silent compared with a classic dipole one .

I build two of them , one for 17 and the other one for 20 meters band . Both have an own coax balun 1.1 build on an Amidon T-200 toroid. It's possible to use them in horizontal , vertical and V inverted position as well .

Without Tuner , both antennas work with 1.1 SWR if used on their own bands , while with tuner it's possible to use them even on other different bands with always a 1.1 SWR , then with good results .

In the last spring , due to the continuous bad weather's afternoons we had , my portable activity was just occasionally done . So , experimentally I putted the coax folded dipole for the 17 mts. , that I had been using in several preceding portable and /MM operations , outside my kitchen's window , in a V inverted position .

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In the snap beside , you can see it with its V apex on the top part of the foreground's central window . You'd better to enlarge the snap .



I live on the first floor of a 6 floor's building , surrounded by other similar buildings very close to mine , with a trafficated road downster .

Practically , as it was a big noisy courtyard in Rome's downtown .

The common sense would oblige us to think that in these conditions there are not chances to be heard from the others.

And here it is the surprise . Not only I can listen more than decently signals from all over the world but even I achieve to be heard from the others ! Gosh !!!

Some examples ? Qso with the USA's east coast , South India , Central and Siberian Russia , Middle East and of course all the Europe and the Mediterranean area .

The signal reports are from a 5/5 up to a 5/9+ .

What do you think about it ?Is it enough for starting to build such an antenna which cost is just the amount of the cable RG58 used as a radiator + the toroid + a ten meters of coax cable + a PL 259 ?



## RADIO KRONICA 2 by Giovanni – 10KQB *english version*

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Here , on the snap under it , you can watch the 18 Mhz version , with its coax toroid balun 1.1, rolled up and placed on a table . Little light and efficient .



Practically , just a few Euro to have the pleasure of a functional and simple antenna to build , install and use , on /P or if you prefer , from the QTH .

This is its central section , completed with coax balun on an Amidon T-200



September 14th Saturday ( below's snap ) from my maritime location , 3 kms far north from Civitavecchia's town .Here , the version for the 14 Mhz has been used on the 10 mts fish pole , where there was also the vertical Rybakov that had a 1.5 mm. thick and 9 meters long wire as a vertical radiator + a second similar wire as a counterweight , placed in horizontal position ( This is an interesting variation of the original project ) .

The fish pole was fixed to the wooden fence by 2 elastic hooks .

Ultra fast and strong clamping .My emplacement is , considering what It's possible to watch from this snap , 10 mts left and 8 mts far from the sea's water.

You can see it clearly from the snap at the end of this article.



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This /P Installation was very fast and functional for both antennas .

Interesting results with the coax dipole that here , helped by the tuner , has been used on 18 and 24 Mhz as well , having qso with USA and Angola , with RST of 5/9 .

I'd say that the results have been according with the expectations , then good results .

To install all , It took only 10 minutes .

The only clashing thing has been that , being a contest week end – de gustibus – I had to limit myself into the bands of 18 and 24 Mhz .

Personal consideration : how is it possible that , when it's contest time ( that usually happens on the week ends , just the time when the most of the OM are more active on air ) , there is not any free space to be used by all the OM that'd like to dx normally on these bands ?

What a pity to cannot use the 14 and 21 Mhz on the contest's week ends .

Anyway , from my point of view, for DXing on portable it's necessary just a few Euro's antenna , sun and fantasy !!!

Do you still fear about /P ? Aren't you excited yet from the fresh air ?

This is my summer DX/P location and deck chair , between a bath and another one . The snap has been shoot on September 14<sup>th</sup> .

Here the weather is still good and so , hoping to have other days as good as that one , and inviting you all to experiment and going on /P ,I greet you all with a brotherly embrace  
**GOOD DX TO EVERYONE !!!**

Giovanni - IØKQB

