

From: Ryan Benteman <benteman@gmail.com>
Subject: [MAARS] Foxhunting Antenna build days
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To: MAARS <ks0man@googlegroups.com>
Reply-To: ks0man@googlegroups.com

Warmer weather is upon us! Hopefully...

With that brings Fox Hunting! We are going to have two build days at the Manhattan Public Library for building 2m Tape Measure Beam antennas for Fox Hunting.

We'll be using the WB2HOL tape measure beam design as can be found in the following links. It uses 10' of 1" tape measure tape, some PVC fittings, assorted Coax, some soldering and assorted other odds and ends.

http://theleggios.net/wb2hol/projects/rdf/tape_bm.htm

<http://www.jpole-antenna.com/2017/02/07/build-it-2-meter-tape-measure-yagi-beam-antenna/>

Build Days:

Wednesday April 25th, 6:30pm-9:00pm, Auditorium

Friday April 27th, 6:30pm-8:00pm, Auditorium

NOTE: DAYS ANNOUNCED ON THE 4/3/18 NET WERE INCORRECT, THESE ARE CORRECT.

Please reply to benteman@gmail.com with any question on sourcing kits from me for building the beams to keep from clogging up everyone's email inbox.

You might just have all of these pieces in your garage or your junk drawer! If you'd like me to source the parts for you it will be around 20\$ per beam for everything needed to build it. *Minus any attenuators* That includes a length of RG-8x Coax and a silver PL-259 connector. Attaching the PL-259 connector to your radio is up to you, or if you'd like to leave bare Coax that is just fine too! I can supply the kits to the build days, but I will need to know 2 days ahead of time.

If you want to source the parts yourself and just want assistance building it that is great! We'll have soldering irons and tools to cut and assemble the PVC and tape measures. If you just want to come and talk radio that is fine too!

I am using a Fox Hunt Offset Attenuator from KC9ON in my antennas, they come as a kit for 8\$ or prebuilt for 12\$. They show backorder currently but I believe he is supposed to have more come in next week.

<https://kc9on.com/product/fox-hunt-offset-attenuator/>

We'll have soldering irons to assemble the offset attenuator as well if you'd like to buy the kit and solder the board up.

Basic list of materials: *Stole from KB9VBR's site*

Parts List

- 1 25 foot 1 inch wide steel tape measure
- 1 10 foot piece of 3/4 inch Schedule 40 PVC Tube
- 2 3/4 inch PVC Cross connectors
- 2 3/4 inch PVC T connector
- 6 3/4 to 1 1/2 inch stainless Hose Clamps -Mine will have 2 hose clamps and 4 zipties
- 1 5 inch piece of 14 ga wire
- 1 length of RG-58 cable, approx 6 foot
- Solder and Flux
- Electrical Tape

We'll have all the tools you need to build your 2m beam antenna! The adapters to hook into your radio of choice are up to you though.

If you are planning on attending, please email me at benteman@gmail.com so I can get an idea on how many people to expect to help have quantities of tools available.

Construction time of the antenna will be around 1 hour, longer if soldering a attenuator board. Feel free to come and go to one build day or swing by both to chat! There is no set start and finish time, it is just an open build session.

Thanks,

Ryan Benteman

AD0TZ

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