

Sources and Resources for BACKPACK QRP – K3RTU

- Wire Antennas by John Hill KF7SQQ - Available in both print and E book from Amazon.
- Solar Activity & HF Propagation by Paul Harden NA5N. (na5n@zianet.com) To find on the internet simply Google: FDIM Symposium 2005
- Handiman's Guide to SOLAR ACTIVITY & HF PROPAGATION FOR THE QRPer Paul Harden NA5N. (na5n@zianet.com) To find on the internet simply Google the title. This is a one page condensed version of the above document by NA5N and is very handy to carry along in your backpack!
- Amateur Radio and the Great Outdoors by Ed Breneiser. Available from Barnes and Noble in print and on NOOK as an E book.
- Glen Thibodeaux, KF5FNP, "A Tape Measure Vertical Antenna" QST November 2014.
- Jim Smith, K3RTU, "QRP and the Great Outdoors", K9YA TELEGRAPH, November 2015.
- Jim Smith, K3RTU, "Some QRP Encounters" K9YA Telegraph, October 2016.
- www.AA5TB.com a lot of really good info on antennas, coax (RG174) and other related subjects.

- www.balundesigns.com an excellent source of for BALUNS and UNUN's as well as information regarding end fed lengths using a 9:1 UNUN.
- There are a great many webpages and blogs devoted to BACKPACK QRP. Also there are many YouTube videos devoted to actual BACKPACK QRP as well as QRP rigs, antennas and other gear.
- Counterpoise lengths for 50 ft. end fed wire: 40 meters use 30 ft., for 30 meters use 23 ft. and for 20 meters use 17 ft.
- Lengths for low loss using RG-174 coax. Do not exceed these length in order to keep loss at only 1db. For 40 meters 45 ft. 30 meters 37 ft. 20 meters 32 ft. 17 meters 28 ft., 15 meters 26 ft. 12 meters 23 ft. 10 meters 22 ft.
- Web address for the Emergency Amateur Radio Club of Hawaii www.earchi.org . This organization has a detailed web page describing their 9:1 UNUN and even directions and a parts list to homebrew your own. If you decide to purchase their UNUN (about \$56 which includes priority shipping) send a check to their postal address and you will receive their assembled UNUN and about 30 ft. of stranded insulated wire for the antenna.

- Small base loaded telescoping whip single band antennas for HF are available from MFJ. Used with at least one counterpoise cut to the band of operation and they do work. They are especially handy to use with the FT-817, KX2 or KX3.
- The Jackite telescoping fiberglass poles are sold by Amazon as well as direct from their own website.