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Thanks for your interest in the MicroMountaineer! In keeping with Wes's wishes, I have kept the documentation to a minimum so that this "kit" will be a learning experience for you! Enclosed you will find a copy of the article that was in QST, a board layout, and the parts. I have built a working rig from the parts supplied, so I know that it does work with this parts set, and all the parts you need should be there. I actually have uM rigs for 10, 20, 30, and 40 meters.

A few words about the parts I used. Most are exactly what was called out in the article, however, some are slightly different because of what I had on hand or what was easily available from the parts suppliers.

The NE602 is supplied as an SA602.

The diodes are general purpose silicon or germanium diodes rather than the exact type in the parts list. You only need to be sure that the germanium one (1N270 supplied) is used in the proper part of the power meter) and that the zener diode is used where it is called out.

The toroids are the -37 size rather than the -30 size. The inductance for a given number of turns is very close for each size, so you should be very close to optimum with the turns specified in the article.

I only supplied three sizes of wire rather than the four that were called out. As with the toroid size, the wire size is not really critical, so use the closest size to that called in the article and you will have no problems.

The jacks supplied are stereo jacks which are standard for most headphones now. Wire the two sides together for stereo headphones. For mono headphones and for the key jack, use only one side (plus the ground connection), or you will find that the second side will short to ground and key your TX continuously. Before you wire it in place, plug a plug in the jack and use an ohm meter to determine which side to use.

Build the rig a stage at a time, and test each stage as you go!

That's it for hints. If you have trouble, the best way to contact me is via e-mail.

Have fun with the MicroMountaineer, and let me know how it works out!

73 - Bill - N8ET