

AUGUST 1994



Di-Dah-Dit

The Official Newsletter of the Parkersburg Amateur Radio Klub
P. O. Box 2112 Parkersburg, WV 26101

A Simple Multiband Dipole By Glenn N8LVX

I have never written anything much for any paper, but I hope you can understand this. If not, scrap it, HI.

I have constructed my first dipole for two bands, that uses a single feed line, that allows me to run both 80 and 40 meters. I'm not really saying it's my first dipole, but one which I have taken great pains to construct with care.

The materials list for this project are:

- 5" - 1-1/2" PVC pipe
- 2 - Caps to fit pipe
- 1 - 1" Eye bolt
- 2 - 3/4" Eye bolts
- 2 - 1" brass bolts (#32) with four nuts
- 1 - SO-239 coax connector
- 2 - 1/2" self-tapping sheet metal screws
- 20 to 30 - 3" pieces of 1" PVC pipe

The first part of the project, was the feed point. One of the caps is drilled to accept the 1" Eye bolt shank. This is the anchor point for holding the antenna aloft. Use a nut and washer on each side of plastic. Then the pipe is drilled on each side about 2" down for the 3/4" Eye bolts. Once again use a nut and washer on each side of the plastic. The other cap is drilled to accept the back of the SO-239, and two holes at opposite corners of the base flange for the mounting bolts. Also, 2 - 1/4" holes should be drilled for ventilation. When assembling the 3/4" Eye bolts to the pipe, fasten a length of wire to each that will reach a couple of inches beyond the bottom of the pipe, these wires are connected to the center and base of the SO-239. Glue the top cap to the pipe with PVC cement, the bottom will be press fit, and the sheet metal screws through the cap flange will hold it on, but it can be removed in case of needed maintenance.

The top wire on my dipole is cut to resonate in the 80 meter band, and the lower is in the 40 meter band, these frequencies are where I operate most. (CONTINUED on Pg. 3)

Klub Officers for 1993-94

Parkersburg Amateur Radio Klub

President - Rory Hughes KB8MDN

1st. VP- Roy Mauli N8YYS

2nd. VP- John McGuffey N8NBL

3rd. VP- Earl Hulce KB8HRG

Sec.- Tom Jones N8NMA

Tres.- Jane McGuffey N8MOW

NL Eds- Jerry KA8NJW

Russ N8FID

Prod/printing- Mary KB8BOA

The following is an excerpt from the August, September, October, 1994 issue of the SERA Repeater Journal.

The Art of Belonging . . .

I found out early when I first got my ham license in 1958, it is better to belong, and be wanted and even needed than to go my own little way, and be left alone to do my little thing.

Do you want to be a part of things? Is your desire that of becoming a part of something - being needed, relied upon?

There is room for every ham to be a part of something, be needed, relied upon. These positions come in many forms.

Just try to tell a ham that stays up all night passing phone patch traffic from Antarctica to home - he isn't needed.

Try to convince a ham who has an elaborate BBS or LAN system set up, that his system is not needed.

Can you convince a repeater owner, or club sponsoring a repeater that "We really don't need this stuff?"

In all instances above - I Think Not!!!

Are you one of these people? I don't mean run out and buy a repeater, or set up a BBS system. I mean - have you considered what else you can do to give back something to Amateur radio? Our hobby is a privilege, a very great privilege. And this privilege doesn't come free. We have to give back something in return. There are hundreds of things - you just have to look for them - try them out, find what is to your liking, take on the job - and do the very best you possibly can at it.

Look first at your local club.

Do you ever go to any of their meetings? Are you a member? If you have joined (which you should) do you participate in the meetings? Are you an officer? Do you help with the programs - the repeater projects - field day? Can you think of something to make your club meetings more interesting?

Look at Public service.

When the club calls for volunteers for that race, walk-a-thon, fund drive, do you volunteer?

When bad weather conditions occur, do you turn on your radio and look for weather nets? Are you ready to jump in your car and weather spot if asked to do so?

Traffic handlers are a very important part of Amateur radio, whether it be phone patch traffic, or receiving messages for your area and getting them delivered.

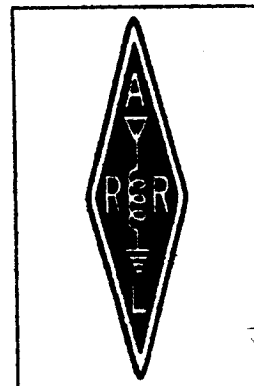
These are just a very few of the things you could look at. Try any of them on for size. I think you will find your niche, and you will fall into it, believing you are helping someone out. You are providing some service to your neighbor, your neighbor's neighbor, or more importantly your ham friends.

When you do it, you will get a warm feeling inside. Even if you don't get public credit, or a pat on the back for your efforts, you'll know you have done well, and after all - does it matter, as long as you know you have done it and done it well.

I challenge you to go out now - look for something you can do. Then you'll know how we feel and why we're dedicated!

We belong! And we feel wanted and needed!

Wayne C. Williams, K4MOB, Editor



AUGUST MEETING MINUTES

Called to order at 7:15 pm. The minutes and treasurers reports were read and approved.

Dave Thompson reported that the .970 site had been weed-eated. Also Earl reported that the new batteries from Russ N8FID were in place. Thanks to all those who helped, Curt, Ray and Dennis, to name a few. The new cavities are on the way.

Rory KB8MDN will be heading up the Homecoming chair rental this year and will be calling for those who can help.

There was a second reading for membership on the following:

Lew Bagdan N3HEJ

Ron Schnell KB8QQA

Tom Horton K5IID

They were voted on and approved.

Tom was appointed to the ways and means committee to assist John McGuffey N9NBL.

There was a discussion about how long a newsletter should be sent after someone's dues become delinquent.

There was a letter read and a discussion on the matter of the repeater trustee. Tim WA8CRW expressed his wish to resign as repeater trustee. It was decided that John N8NBL be the trustee for the .970 machine and Dave WA8CYV would take the job on the .390 repeater.

There was discussion about the Phone Patch and a committee was formed to talk over the possibilities and to decide on a suitable method of installing a new Phone Patch.

It was also decided that the Klub would sell all extra pieces of equipment that it had.

Bob Lyons was appointed to head up the election committee.

Motion was made to adjourn and the meeting ended at 9:08 pm.

ANTENNA Cont.

The pieces of 1" PVC are drilled with a small through hole near each end, and slipped onto both wires as spacers to keep the two wires from touching. I used an inexpensive Radio Shack plastic insulator and the end of the 40 meter wires. The 40 meter wire is fed through one part of the insulator, and the 80 meter wire is just wrapped around the other. This allows the insulator to be moved when trimming the 40 meter wire, without having to remove the 80. The last of the 1" spacers is placed as close to the insulator as possible.

This antenna can be made for any band. The wires are cut using the formula: $468 / \text{freq. mhz.}$ The frequency to use for this, is your choice. Figure for the center of the part of the band that you intend to use most. With careful trimming, this antenna will result in about 1.5 SWR at the resonant frequency, and you should be able to get good band width using an antenna tuner.

COME ONE! COME ALL! TO THE 1994 ALL HAM PICNIC.

The Klub Picnic will be held this year at the Parkersburg City Park on Sept. 12 (MONDAY). This will take the place of the regular Sept. Meeting. Bring a Covered dish and some tableware, etc. The Klub will be providing the meat and the paper goods. Tune into 97

** On what frequencies do JPL and GSFC retransmit the shuttle audio?

Station	VHF	10m	15m	20m	40m	80m	Video
WA3NAN	147.45	28.650	21.395	14.295	7.185	3.860	
W6VIO	224.040		21.280	14.282	7.165		
K6MF	145.585				7.165	3.840	
W5RRR	146.640	28.495	21.350	14.280	7.227	3.850	
W6FXN	145.460						
KA9SZX	146.880						426.25
K4GCC	146.940						
WA4VME	145.170						

All frequencies are in MHz. Use FM on VHF, USB on 10-20m, LSB on 40-80m.

WA3NAN - NASA Goddard Space Flight Center (GSFC), Greenbelt, MD

W6VIO - NASA Jet Propulsion Laboratory (JPL), Pasadena, CA

K6MF - NASA Ames Research Center (ARC), Moffett Field, CA

W5RRR - NASA Johnson Space Center, Houston, TX

W6FXN - Los Angeles, CA

KA9SZX - Champaign-Urbana, IL

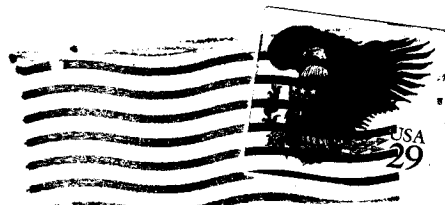
K4GCC - Titusville, FL (near or at Kennedy Space Center)

WA4VME - Melbourne, FL (near or at Kennedy Space Center)

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