

# Edmonds Woodway Amateur Radio Club

Meeting of 13 April 2023 Pr. Ed Sershon N7PHY Presiding

## General Announcements:

- Daily 10 meter gatherings continue at 1200 local time at 28.350 MHz USB. Band conditions continue to improve. Visitors from around the country have lately shown up. Everybody is welcome.

## From the Treasurer:

- Bank balance is still in the black.
- Currently we have 50 paid up members. The latest additions to the paid up for 2023 list are: Michael KJ7JTZ, Nathan N0UVI, Srikanth KE5VJD, Tony KF7LTK, Brian KK7HWQ, Matt K7UAP, and Jerry WA7EDM. Thank you for dues and donations!
- Outgo coming up: Field Day rental of the MTCSC plus our usual donation to the MTCSC.
- Members who wish to get more details regarding the state of our finances should contact our Treasurer, Barry K7BWH.

## General Business

- N6CES Tower Project: The attempt to raise the tower ended in failure. The cable snapped when the tower was almost at full height. While everyone was certainly shocked nobody was injured. A small crew came a couple weeks later to bring the tower all the way down so that the extent of the damage could be learned. The base of the lower section of the tower was seriously damaged. The middle and upper sections of the tower appear to be at least useable as short tower sections by themselves.
- Barry K7BWH is headed to Graylands Beach State Park on 4/16 for several days of 6 meter work from grid square CN76. He is attempting to contact Lloyd Berg N9LB in Wisconsin to complete his quest to get every grid square in the continental US. They will be using moon bounce in this attempt. Barry has outfitted his rover with a 48 volt battery system in an effort to do away with noisy generators and inverters. Apparently there are Hams in Japan who also need CN76 and attempts will be made to reach them as well.

- There will be a club breakfast get together at the Family Pancake House at 23725 on Highway 99 in Edmonds on Saturday April 22nd. The gathering starts at 9:00 AM.
- 7th Area QSO party is scheduled for 5/6/2023
- Net Control operators are needed for the following dates: 5/16, 6/6, 6/13, and 6/20. Please Let Ed N7PHY or Greg N7IAD know if you would like to give it a try. You don't have to do it alone. Help is available.

### **Presentation by Dave Funk WA7RSO**

Dave's presentation was on Gamma Matching for antennas. This presentation was well received and was quite interesting. I (Tom K7BXA) must admit that it mostly went way over my level of electrical understanding. So I will not attempt to summarize Dave's presentation except to point out two of his cardinal rules:

1. Always deal with feed line reactance first. Otherwise you are in for a world of headaches while attempting to tune your antenna.
2. Longer gives lower. Meaning that a longer cable will lower the sweet spot frequency. Knowing this, start with a cable which is near the proper length but err on the short side. Use very short jumper cables to achieve the proper length.

See this link for another take on Gamma Matching:

**<https://www.electronics-notes.com/articles/antennas-propagation/antenna-theory/antenna-gamma-impedance-matching.php>**

To quote from the article and to paraphrase Dave:

It can take a considerable amount of time to adjust the system for a good level of VSWR across the band required.

That is why you want to deal with reactance up front.

### **List of attendees in person as well as via Zoom:**

1. Greg Gadbois N7IAD
2. Susan Hegeberg W7MXW
3. Walt Jamison W7PRB
4. Dave Funk WA7RSO
5. Ed Sershon N7PHY
6. Tom Ormond K7BXA
7. John Vanderbeck KM7O

8. Chuck Greeno WA7BRL
9. Brian Radabaugh KG7PD
10. Matt Hackett K7UAP
11. Mike Schone W7NP
12. Scott Hayden KB7RSV
13. Ric W7HUG
14. Brett Grant KI7YBP
15. Robert Grinnell KD7WNV
16. Rick Singh K7TR
17. Elizabeth KI7AUH