

Next Meeting: Friday November 25 6:30 PM at the MCL Cafeteria in Kettering .

Meeting is always the 4th Friday of the month except for when impacted by holidays

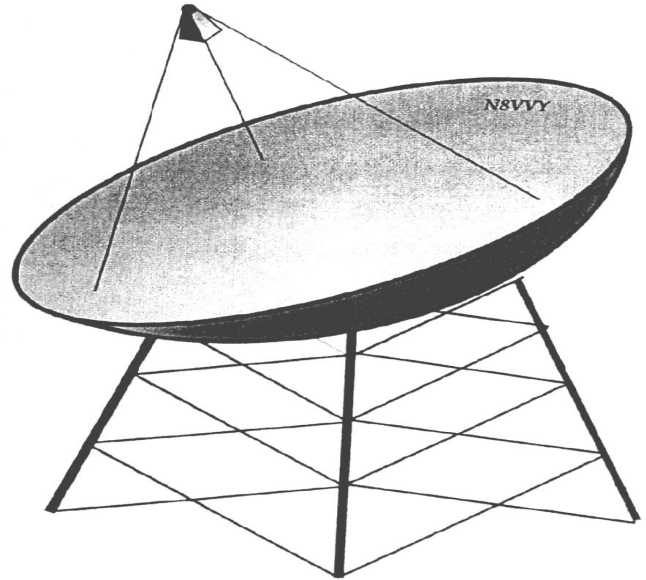
ANOMALOUS PROPAGATION

October 2022

Newsletter of the **Midwest VHF/UHF Society**

Editor: Jim Bacher, WB8VSU

For a Word document template for articles send a request to Jim (j.bacher@ieee.org) and I will send you a Word format Template. Thank you!



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Beacons: 1296.079 W8KSE EM79ur Dayton, OH---- 2W to Big Wheel at 800' AGL.
MVUS Skimmer -. <http://www.reversebeacon.net/dxsd1/dxsd1.php?f=0&c=w8kse&t=de>

Contents

De N8ZM	3
Millimeter Parts	4
ARRL 10 GHz+ Contest Report	5
MVUS Renewal	8

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De N8ZM

At last month's meeting I talked about an idea that N8UR and I had been kicking around for attracting more young people into ham radio. Now we all know, from experience, that this is one of the best hobbies ever. We learn about technologies, how organizations work, fundamentals of how to communicate with others clearly, geography, how to deal with various government entities, and much, much more. That is the value of this hobby. But one thing we don't seem to have learned is how to share our excitement and passion for all of this learning.

Now some of us ARE very good at this sharing, but I am inclined to think that most of us are not. Sure, when we hang around with other hams, we have a great time talking about anything and everything, because we have an audience that is like-minded. But I sometimes think that we tend to be a bit bashful when we talk with non-hams about what we do and why we enjoy it. I will admit that I am one of those. Maybe it is that we believe that non-hams won't get it, or that they'll think we are some sort of weird or scary smart, so we kind of lighten up on the enthusiasm around them so as to not reinforce those notions.

That might be self-defeating from a recruitment standpoint. Most of us probably became interested in this great hobby when we were teenagers; or maybe younger. Me? I was about 7 years old when my dad got me a crystal set kit to build. And I was hooked on radio after that. It seems that there is some good science to back up the idea that adolescents of both genders are at their most curious and enthusiastic about learning in the years prior to high school.

My point is that this is the age where we should be targeting our efforts, and so I have been reaching out to some teachers I know in my local school system to see how we might work with them to reach this audience. They have been helping me connect with the right people in the community but we have a lot to do yet, and I am optimistic.

It would be great if MVUS could make this outreach a project, and I hope that some of you will support it. What tasks are involved? I honestly don't know yet, but in the Dayton there are events like Tech-Fest that are aimed at just this age group, and hams have been participating in it for several years. For those of who do not live near here, I am sure there are similar opportunities presented.

I don't pretend to be the first person to think of this, but I hope that given this information, MVUS members can be a source of excitement for some youngsters.

See you at the MCL on the 28th!

de N8ZM

Millimeter Parts

Author: Kent Britian, WA5VJB

My new car has 6 millimeter Radars to try and keep driver stupidity to a minimum.

But in the event of most any collision, the odds are one of these Radars is going to get damaged. Usually it's just breaking off the mounting tabs.

The shop just replaces the Radar module. So make friends with a mechanic working in a shop specializing in collision repair and see about keeping these 'bad' modules from going to the local land fill. Not sure which ones are the best to modify to a ham band yet, but getting a good sample is the first step.

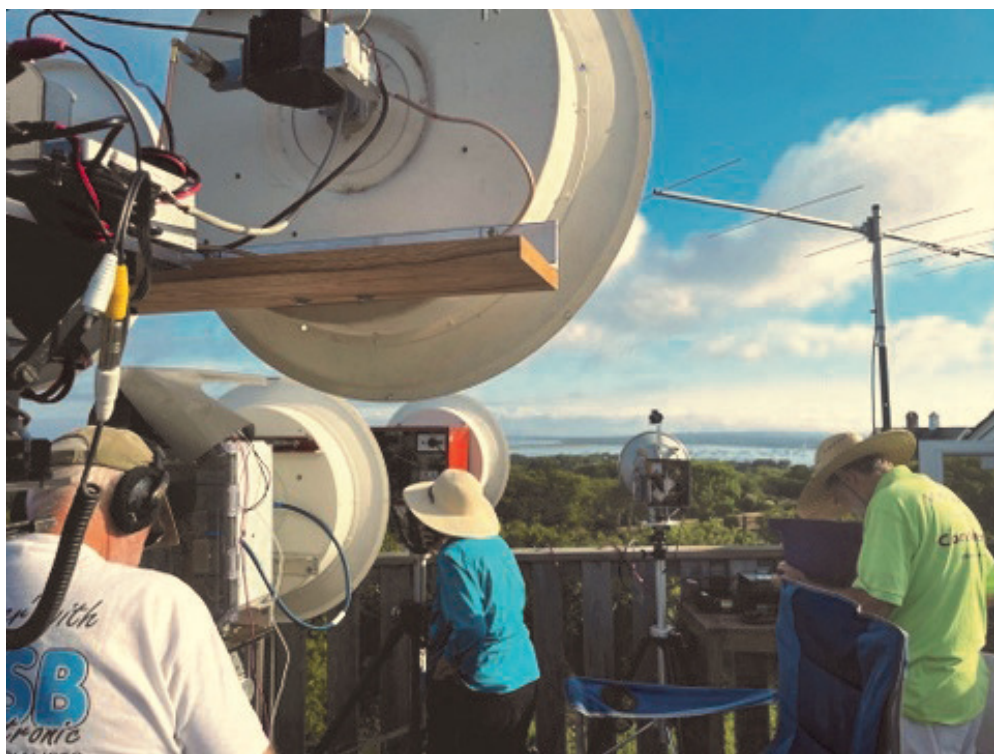


ARRL 10 GHz+ Contest Report

Author: Dave, K1RZ

Round 1. On Monday before the contest Dale AF1T, Mickie W1MKY, Steve K3WHC and me met on the ferry boat to Block Island FN41ee, and set-up that evening on the porch on the highest point on the island and started playing Ham Radio on 10 GHz. Tuesday during the day we worked Ray N3RG (CW), Jeff K1TEO (USB), Mike W3IP (CW & Q65-15C) and Roger W3SZ (Q65-15C) just to be sure every was working. On Tuesday evening I worked Peter VA3ELE FN03dm on Q65-15C to give Peter FN41 for his 57th grid on 10GHz using airplane scatter – the computer did the work. Finished out the evening working John N9ZL FM08us on CW for the farthest DX of the day. Good activity for a Tuesday I'd say. Hi.

On Saturday we started the contest working Tyler KM3G near his home at FM19ps for our first contact. Followed by our local beacon Jeff K1TEO, and then Phil K3TUF and Paul WA3GFZ (both on Penobscot Knob PA) in FN21be. Then to the State of Maine reps John K1OR and Larry K1CA in FN53fu. Then Roger W3SZ on Q65-15C at FM19rx (and later on at



home QTH FN20AD, also Q65-15C). And then during the next hour John W3HMS on CW, also at FM19rx. During that hour we worked Tommy W1AUV FN41oo and John N9ZL FM08us on Hogback Overlook VA at 629 km.

Also the team of W1FKF, KA1NKD and W1EX at FN43bj from the parking lot below the Mt Kearsarge NH summit. Then worked Dave K1ZZ and Linda KA1ZD on the school parking lot at FN42ad. Later on also worked Fred N1DPM and John AA1I at this same spot. And then worked the team of Paul W1GHZ and Chip W1AIM at FN34wl. Followed by Chris KG6CIH on Mt Agamenticus at FN43pf. And later on worked Leandra AF1R at this same spot. Went on to work Glenn KC0IYT on Mt. Wachusset FN42bl and Ray VE3FN in FN25dk. All good locations for sure. And then Ron WZ1V went out on his side-

Continued on page 6

Continued from page 5

walk in front of his house on the road lined with trees and found that the roadway actually was headed directly at Block Island, and Ron worked us all. Thanks for your good effort on these four contacts Ron. Many operators were out at all kinds of locations and this made it real fun for all involved.

Rainscatter. Who better to work for our first RS contacts than Andy K0SM in FN12ev. I immediately opened the <https://rainscatter.com> app on the phone and set up to also work Jim N2JMH FN12bw, Kevin VE3KH FN03cg, Wayne N2WK FN03xe, Peter VA3ELE FN03dm (operating his home station while out portable) and Hugh VA3TO FN03cn (at 721 km for best DX of round 1) – all on RS in the next couple of hours.

Late Saturday evening on the porch the dew was extremely heavy. And Dale said that other times this has happened when he'd been on Block Island it was a precursor to a band opening the next morning. And sure enough the K3EJJ/B north of Baltimore was S9 in the 6 o'clock hour on Sunday morning. We worked everyone else in Maryland and PA within the first two hours of the day to include Brian N3OC FM19le,

Maurice K3EJJ FM19of, Tyler KM3G FM19rx and Chris NG3W FN11bo. Thanks to you for getting on before the inversion layer burned off. And thanks to the many more who continued to operate through the day on Sunday. Overall Round 1 was very successful with 88 QSOs, 58 unique calls, and 27,521 kilometers for 33,321 points.



Round 2. Bill W2RMA, Steve K3WHC and I had talked about operating from Reddish Knob FM08jl in WV at 4400 ft ASL over the recent years. And we decided to make the effort to do just that on Saturday. It is an interesting site, and when we got up there coming up from Harrisburg VA before sunrise, it was a pleasant morning – shirt sleeve weather, and very little wind. But in trying to tune in beacons and other relatively local stations we felt like there was a inversion layer below us in altitude as we were unable to hear these local stations, and may have to wait until the layering in the atmosphere would burn off in a few hours. Three hours later I made my first contact with Paul W1GHZ on Block Island at FN41ee. It was a airplane scatter contact, and each of us worked Paul, but with the typical slowness of a airplane scatter contact. The predominant propagation of the day,

Continued on page 7

with very few exceptions were the same – aircraft scatter, and happy for it. Then I worked Phil K3TUF in FN10we, Chris NG3W FN11cp and John N9ZL on the next ridge over to the northeast at FM08us – and also worked John on 24 GHz. Plus we worked Gene WA4PGI FM07as down in the valley near his home QTH, with Gene using tower bounce off a nearby tower. Then we three worked Dale AF1T and Mickie W1MKY at FN41ni on Martha's Vineyard MA out at Gay Head light house, for our Best DX of the contest at 786 km. In the late afternoon we broke down our WV operation and drove to Bedford PA.

Sunday we got up to Blue Knob Ski Resort FN00rg and set up on another very pleasant morning in terms of visibility and temperature. We worked W1GHZ again on Block Island FN41ee. And then we worked N2JMH and VE3KH using tower bounce off a ski-lift tower about 100 yds away and generally in the direction of WNY and Toronto. And later, using reflection off the same ski-lift we worked Wayne N2WK and Peter VA3ELE (Peter operating his Toronto station remotely while motoring across the north shore of Lake Ontario). Just after local noon we worked the team of Rus K2UA, Dave K2DH, Tony K8ZR and Mike N2MG on Greylock at FN32jp at 517 km. We also worked John W3HMS FN10mf, plus Phil K3TUF and Claire KA3TUF in FN10we. And then the team of Jeff W2FU, Bruce WA2TMC and Chris K2CS at FN02xu. We finished by working Tyler KM3G in FM19pt.

My final score was 116 QSO's, 38,242 km, 66 unique calls and 44,842 points. Thanks to everyone who went out to make this activity more fun for all to enjoy. Thanks for the QSOs and the tries.

reprinted from: Cheese Bits October 2022 14

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Bellbrook OH 45305

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