



January 2022

Volume 61 Issue 01



<http://www.w1mv>



[https://www.facebook.com/w1mvmara /](https://www.facebook.com/w1mvmara/)



<https://twitter.com/search?q=Massasoit%20Amateur%20Radio%20Association&src=typd>

I hope that you all had a wonderful holiday season see you January 18th KB1TEE Rick

Next meeting is January 18th, 2022 Social hour 1830 meeting at 19:00pm. Talk-in is on 147.180+ Meetings are at the Mt Prospect school 166 Mt Prospect St Bridgewater MA. Entry in the back of the school park and walk from the left side.

ON THE AIR Tuesdays 4th 11th 25th 2022 news line and conversation

Presidents Notes

HAPPY NEW YEAR

MARA Facebook page: Our Massasoit Amateur Radio Association Facebook page with club events, meetings, photos, etc. are occasionally updated so that it may be another resource for us on which to spark interest in our club, amateur radio and keep members informed of what we are doing outside of our club meetings and in our community. We are in need of a newsletter editor and club secretary.

Looking forward to a healthy and happy New Year!

Allen wa1bee

President MARA

EVENTS:

WINTER FEST 2022

Saturday January 15, 2022 0900-1300 Whitman K of C hall Rt 18 \$5.00 entry fee visit WA1NPO.org for more information.



NE1PL USNR

We will be on the USS Massachusetts April 23rd 2022 we will be remembering The Doolittle Raid, also known as the Tokyo Raid, was an air raid on 18 April 1942 by the United States on the Japanese capital Tokyo and other places on Honshu during World War II.

NE1PL

May 14th 1000-1400 Armed forces day activation. We are looking for operators for this event this is in addition to our annual 4 events I don't have all the details at this time please email me if you can make it.

kb1tee@gmail.com thank you Rick



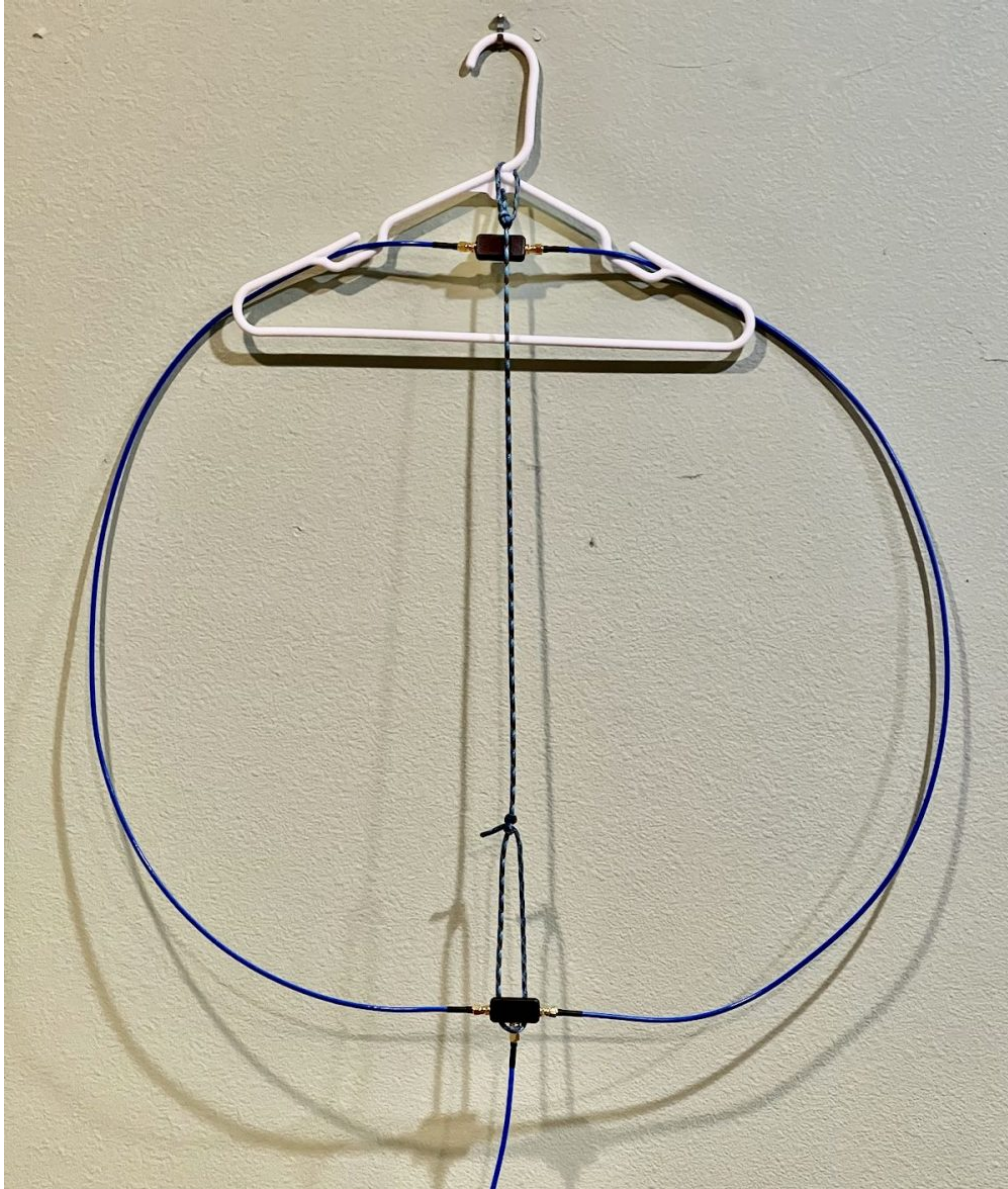
Great Hill Gang

Great Hill Gang / K1USN Swap Net Fridays at 20:00 hours (8pm) On the Marshfield repeater, 145.39 MHz with PL 67.0 EchoLink NEW-ENG 2 node on 9127 — IRLP Reflector 9127 Net Controllers: NA1XX -Mike & K1UVH-Mike

Algonquin Amateur radio HAMfest

Saturday February 19th 2022 1LT Charles W. Whitcomb School 25 Union Street Marlborough, MA 01752 0900-1300 \$5.00 general admission Talk in MMRA 147.27 PL 146.2

Ernie's portable Youloop antenna deployment system



More info at:

<https://swling.com/blog/2022/01/ernies-portable-youloop-antenna-deployment-system/>

You can pack it or store it at one-third size by folding/flexing it like a bandsaw blade Ask any wood shop how. String (piece of parachute cord) has a permanent loop tied at the upper end and a slideable knot (two half hitches, in sailor/Boy Scout jargon) at the bottom so length can be fine-adjusted, controlling both the shape of the loop and eliminating strain on the lower SMA fittings. This is entirely about strain relief on the SMAs ... if the YouLoop is like more ordinary loops I have used, antenna efficiency is not compromised from having a loop that is not a perfect circle.

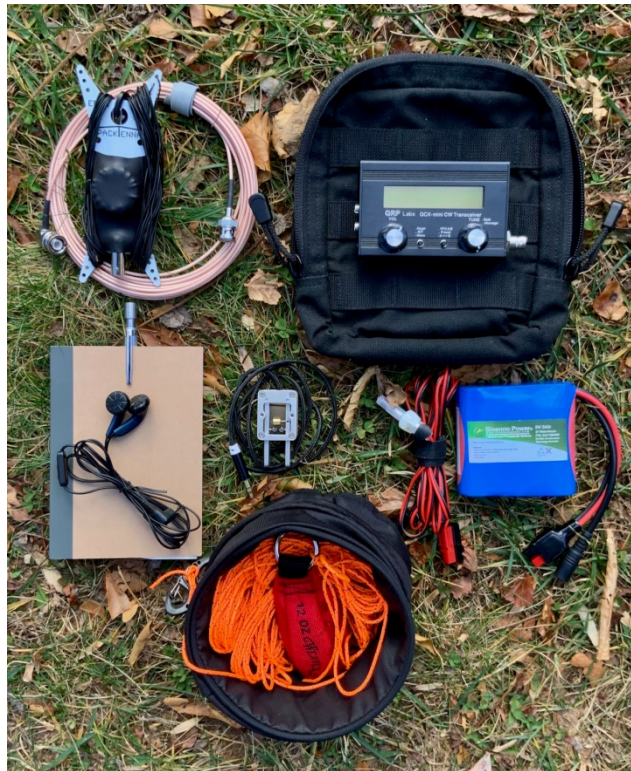
SOTA & POTA with the QRP Labs QCX-Mini and Packtenna EFHW on Flat Top Mountain

When I head out the door to activate a summit, if it involves a long hike, I reach for one of my super compact QRP transceivers like the Mountain Topper MTR-3B, Elecraft KX1, or KX2. If you're carrying your entire station and all of your hiking provisions in your backpack, it's best to keep the load as light and compact as possible.

I purchased the single-band QRP Labs QCX-Mini last year specifically with Summits On The Air (SOTA) in mind. My QCX-Mini is built for 20 meters which tends to be my most productive SOTA band.

The QCX Mini has a rugged, utilitarian feel: basic controls, two line backlit LCD display, and a sturdy aluminum enclosure. It's super compact.

One of the first things I did was build a dedicated field kit around the QCX-Mini. Everything—save my throw line—fits in my Spec-Ops Op Orders pouch:



A window of opportunity opened on the morning of Thursday, December 9, 2021, so I packed my new Spec-Ops EDC backpack with the QCX-Mini kit and drove 1.5 hours to Flat Top Mountain off of the Blue Ridge Parkway near Blowing Rock, North Carolina.

The drive to Flat Top was amazing. Fortunately for me, one long section of the Blue Ridge Parkway was still open and because it was essentially a dead-end road (with one end blocked) I might have passed three other cars in 20 miles of driving. It was absolutely brilliant!

More at info at:

<https://qrper.com/2022/01/sota-pota-with-the-qrp-labs-qcx-mini-and-packtenna-efhw-on-flat-top-mountain/>



Ham Radio on the Moon

Posted date: January 05, 2022in: [VHF](#)

Japan's **OMOTENASHI**, the world's smallest moon lander, will have an X-band and UHF communication system, although it will not carry an amateur band transponder.

OMOTENASHI is a 6 Unit sized CubeSat set for launch via a NASA SLS rocket as early as February 2022. It will have a mission period of 4 to 5 days. The name is an acronym for Outstanding Moon Exploration Technologies demonstrated by Nano Semi-Hard Impactor. **Wataru Torii** of the Japan Aerospace Exploration Agency Ham Radio Club, JQ1ZVI, said radio amateurs can play a role in gathering data from the spacecraft.

The spacecraft is made up of two separable components, both having independent communication systems, an orbiting module and a surface probe. The orbiting module will take the surface probe to the moon. It will transmit beacon or digital telemetry data on 437.31 MHz. The moon lander surface probe will transmit digital telemetry or three-axis acceleration analog-wave with FM modulation on 437.41 MHz. Transmitter power is 1 Watt, enough to be picked up with a high gain yagi.

According to Torii, JQ1ZVI, if they succeed in receiving the UHF signal from the surface probe, one could know the acceleration data of the impact on the moon and the success of the landing sequence. They already have a station for the uplink and downlink at Wakayama in Japan, normally used as an EME station. However, when the moon and satellite is not visible from Japan, help with the reception of the downlink signal will be needed from ham radio stations worldwide.

The orbiting module beacon will transmit on 437.31 MHz using PSK31. The surface probe beacon will transmit on 22.41 MHz using FM, PSK31, and PCM-PSK.

More info at:

<https://qrznow.com/ham-radio-on-the-moon/>

Massasoit Amateur Radio Association Executive Board
President - Allen Hiltz - WA1BEE
Vice President Jeff Lehmann – AJ1L
Secretary Wendy White – KC1GTR
Treasurer: Phil McNamara N1XTB
Call Sign Trustee: Phil McNamara N1XTB

2M Repeater 147.180+ (Tone 67.0)
440 Repeater 444.550+ (Tone 88.5)
APRS Node Node 144.39 W1MV-1
Packet BBS 145.09 N1XTB-4
Packet Node Brockton 145.09 W1JOE-7 (BROCK)
MARA Web Page <http://www.w1mv.org/>
Facebook <https://www.facebook.com/w1mvmara/>
Newsletter Editor kc1gtr.mara@gmail.com
ARC Web Page <http://www.wa1npo.org>
Qsl via www.eqsl.cc
Skywarn <http://wx1box.org> and
www.powersrvcs.org/w1gmf/skywarn.htm
Mailing Address P.O. Box 428 Bridgewater, MA 02324

Monthly meetings are held the 3rd Tuesday of each month, for time being, Tuesday Night
Zoom meeting will be at 7:00pm. Allen will advise if we can go to in person for next month's.

Our Meetings-On-The-Air are held all other Tuesday evenings at 8PM on 147.180+ and includes the Westlink News Report with the latest news about happenings in the world of Amateur Radio.

The South Shore Skywarn Net is held every Saturday evening at 8PM local time on 147.180+ and is open to all hams.

VE Exams are held the 2nd Saturday of every month, in Braintree contact Steve Cohen, W1OD via email w1od@arrl.net. Walk-ins are no longer permitted. We will be hosting VE exams at 8:45 at the Watson building. If you know of anyone planning to take an exam, please have them drop a note to Steve to confirm a reservation.

