



January 2022
Our 103rd Year
Volume 60, Issue 1

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Website:

<http://www.mvara.org/>

The Voice Coil
Newsletter of the Mahoning
Valley Amateur Radio
Association
Established 1919

The Voice Coil

Inside W1AW

Our program for the January MVARA meeting is a Video tour of the W1AW station at ARRL HQ. Joe Carcia, NJ1Q, W1AW Station Manager will take us on a virtual tour of the station at our January 13, 2022 meeting via Zoom.



W1AW is both the amateur radio call sign and the primary operating station of the American Radio Relay League (ARRL). This station, which is commonly called the Hiram Percy Maxim Memorial Station, is located on the grounds of ARRL Headquarters in Newington, Connecticut. The current location is not the original station location of Brainard Field in Hartford, CN. The story of how it came to its current location and the equipment and mission of the station will be discussed during the presentation.

Be sure to mark your calendar to join us in person or via Zoom for this informative evening at W1AW.

January Meeting Location:

GOP Headquarters, Adamas Plaza
8381 Market St, Boardman, OH 44512
January 13, 2022 7 PM

Meeting also available on Zoom--check your email for link.

Prez Sez

2021 Officers

President: Scott Wilton, KE4UHC

Vice President: Mike McCleery,
K8PRR

Secretary: Doug Sage, KB8TPG

Treasurer: Dean DeMain, W8YSU

Trustees:

Andy Brinco, WA8ZLK (1)

Mark Haverstock, K8MSH (1)

John DeGutis, N8LVA (2)

Joe Vasco, N8SEJ (2)

Newsletter Editor: Mark
Haverstock, K8MSH (1)

Awards Manager: Dave Fairbanks,
N8NB, 330.759.6993, 4770 Logan
Ave. Youngstown, OH 44505

The Mahoning Valley Amateur
Radio Association, Inc, meets the
second Thursday of every month.
Location and time are subject to
change. Dues are \$20.00 per year,
\$10.00 each for additional family
member. Contact Dean,
W8YSU@arrl.net for membership
details.

The club call is **W8QLY**; equipment
operated under this call includes a
two meter voice repeater at 146.745
(-600, 110.9 PL). Club email:
mvara.w8qly@gmail.com

MONDAY NIGHT NET operates
every Monday at 9:00. PM on
146.745 MHz.

SKYWARN NET - First Wednesday
of the month at 8:30 PM on 146.745
MHz as weather warrants.

ARES NET- First and third
Mondays of each month at 8:30 PM
on 146.745 MHz; prior to the
Monday Night Net.

It's now 2022, with
2021 in our rearview
mirror. After starting
the year in a
pandemic with
numbers climbing, I
would say we
endured and had a
pretty successful
year.



We came out with a bang for field day. We didn't
know if we were going to have a place almost up until
Field Day weekend. Then we got permission to use the
barn. Not only did we have the barn but they had
previously chased all the birds out and were keeping
them out and power washed the place for us.

We came in put up antennas on Friday and ran coax
on Saturday morning. We depended on ourselves for
food so it was burgers and dogs but that allowed Dean
some free time and I saw him working quite a lot of
radio.

After Field Day, we had the car show and again what a
great time we had. There were more cars at the show
than ever before and we worked some 40 or more
contacts.

Don't forget NVIS day Some of us also worked a few of
the running events in the area lately and a parade or
two.

Here we are at the beginning of a new year let's hope
that it is as much fun or more. Happy New Year!

Scott, KE4UHC

Refresher Answers

E4C01 (D)

E4C02 (A)

G8B01 (B)

G8B02 (B)

Current Activities

January 8: Ohio VHF+ Simplex Contest sponsored by Ohio ARES 10am-4pm

January 13: Monthly meeting 7pm. GOP HQ.

Comments, Questions?

Email: mvara.W8QLY@gmail.com Snail-mail: MVARA, P.O. Box 14141, Poland, OH 44514

Meeting ideas/ suggestions? Contact Dave, KD8NZF, KD8NZF@zoominternet.net

Swap and Shop

Cushcraft 10 element 2m/440 yagi (5 elements/band) Great condition, ready to install. \$40 OBO.

Mark, K8MSH mh@zoominternet.net

Rick Tenan Estate Items for sale. Contact Ken Starcher at 330-475-2630 if you would like to purchase any of the following items. Leave a message if not available. All proceeds go to Pam Tenan.

Complete Drake "B-Line" station in museum quality condition:

R4B Receiver

T4XB Transmitter with custom cover

MS-4 Speaker and Cabinet with custom cover

MN-2000 Tuner with custom cover

AC-4 Power Supply and connecting cables

Drake W4 wattmeter

Shure 444 Microphone

Items were serviced and brought up to top operating condition by Jeff Covelli.

\$1080 price for the complete set. Separate items are not for sale. Most manuals included.

1. Yaesu FT-990 HF Transceiver in excellent condition. MD-1 mic and manual included. \$675
2. Kenwood TS-820 HF Transceiver in excellent condition with manual. VFO-820, SP-820 and MC-50 mic and connecting cables included. \$ 585
3. Heathkit SB-1400 HF transceiver and SBA-1400 speaker/ps in mint condition. \$200
4. Heathkit HX-30 6 meter transmitter and HA-20 Amplifier in average condition. Includes Comair LM-6N2C 6 and 2 meter manual tuner in fair condition. \$400.
5. Heathkit HO-10 Monitor Scope in good condition. \$ 45.
6. Astron RS-50M DC power supply in excellent condition. \$250.
7. Radio Shack 22-510 25 amp switching power supply. \$75.
8. Allied-Radio Shack AX-190 HF ham band receiver in very good condition. \$100
9. Siltronics (SWAN) FS-301 SWR meter with 1000w and 20w scales in good condition. \$45

Continued, pg. 12

Amateur License Refresher



It's probably been a while since you took your Amateur License exam. Here are a few sample questions from the current question pools just to keep those synapses firing.

Extra Pool

E4C01

What is an effect of excessive phase noise in a receiver's local oscillator?

- A. It limits the receiver's ability to receive strong signals
- B. It can affect the receiver's frequency calibration
- C. It decreases receiver third-order intercept point
- D. It can combine with strong signals on nearby frequencies to generate interference

E4C02

Which of the following receiver circuits can be effective in eliminating interference from strong out-of-band signals?

- A. A front-end filter or pre-selector
- B. A narrow IF filter
- C. A notch filter
- D. A properly adjusted product detector

General Pool

G8B01

Which mixer input is varied or tuned to convert signals of different frequencies to an intermediate frequency (IF)?

- A. Image frequency
- B. Local oscillator
- C. RF input
- D. Beat frequency oscillator

G8B02

If a receiver mixes a 13.800 MHz VFO with a 14.255 MHz received signal to produce a 455 kHz intermediate frequency (IF) signal, what type of interference will a 13.345 MHz signal produce in the receiver?

- A. Quadrature noise
- B. Image response
- C. Mixer interference
- D. Intermediate interference

Answers pg. 2

Mahoning Valley Amateur Radio Association - 2021 Membership

Date: _____

Name: _____ Call: _____

Spouse / Family: _____ Call: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Home Phone #: _____ Cell #: _____

Email: _____
(The MVARA Voice Coil, the club newsletter, will be emailed to this address)

ARRL member? ☐ Yes Expiration Month & Year: _____ ☐ No

Do you want the following to be included in the membership list available to all members?

Name and Call ☐ Yes ☐ No
Address ☐ Yes ☐ No
Phone ☐ Yes ☐ No
Email Address ☐ Yes ☐ No

Membership

☐ *Renewal* ☐ *New Member* Single membership \$20.00 \$ _____

☐ *Renewal* ☐ *New Member* Additional family members, \$10.00 each \$ _____

W8QLY Repeater Support

\$12.00 Basic Support Donation \$ _____
\$ Other Support Donation \$ _____

Total Enclosed _____

Make checks payable to: Mahoning Valley Amateur Radio Association. Please bring this form and your payment to the next meeting or mail to: MVARA, P.O. Box 14141, Youngstown, Ohio 44514

You can also remit your payment of club dues to the following PayPal address: w8qly@arrl.net Select "Pay a Friend". If you pay via PayPal you MUST also submit this completed form to the club e-mail address: w8qly@arrl.net ALSO!!

Links



On All Bands <https://www.onallbands.com/> Tips and answers to your ham radio questions, interviews, and product reviews--complete with archive of past blogs.

Ham Radio Concepts <https://www.youtube.com/c/hamradioconcepts> Reviews, things you can do with ham radio, and more.



HIGH EMOTIONS AT QRP CLUB MEETING



QRP Club president Butch Johnson recalls the feisty meeting, while checking the QRP forum on Usenet.

By [WBØRUR](#), on the scene

KERRVILLE, South Carolina — Arguing and fisticuffs marked the monthly meeting of the Kerrville QRP Ham Radio Club this past weekend. Gathered at the local Denny's Restaurant to discuss club business and enjoy the "Early Bird" special, the mood turned sour quickly when it was discovered that none of the members have ever been able to make a QSO.

"It's that darn low power!" yelled club president "Butch" Johnson, a ham since 1995. Johnson has tried to make a QRP contact for the last 5 years with no success. "It's like making a QSO with static electricity! 500 milliwatts!? One watt!? There's just no way!"

Johnson's outburst came as the club was having a rowdy debate over long wire antennas, commercial QRP equipment, logging software and upcoming Field Day plans.

"It's all moot! It doesn't matter!" shouted the club's chief executive. "No one can work anyone else! We might as well be using tin cans!"

The club participates in a number of contests, special events and on-the-air operating activities. To date, there are no QSOs in any of the member's logbooks.

Tempers flared briefly when club member John Hartsberg reportedly took a swing at Johnson. For his part, Hartsberg says he was reaching for the Tabasco sauce and lost his footing. "I've had a case of vertigo the past few days from my sinus condition," says 74-year old Hartsberg.

"Sure, I'm a little frustrated," says one club member who asked to remain anonymous. "I was promised freedom and mobility! Work the world on 1-watt! Oh sure, I can throw the QRP rig in a backpack and hike into the woods. And when I get there, I CAN TALK TO MYSELF!"

The Club members' mood softened as the waitress brought the "pork chop and applesauce dinner" specials to those in attendance.

www.hamhijinks.com

Contest and Special Event Operating Information
Dave Fairbanks N8NB

Data below as well as more information courtesy of the following website:
<http://www.hornucopia.com/contestcal/index.html>.

January 2022

+ AGB New Year Snowball Contest	0000Z-0100Z, Jan 1
+ SARTG New Year RTTY Contest	0800Z-1100Z, Jan 1
+ AGCW Happy New Year Contest	0900Z-1200Z, Jan 1
+ WW PMC Contest	1200Z, Jan 1 to 1200Z, Jan 2
+ AGCW VHF/UHF Contest	1400Z-1700Z, Jan 1 (144) and 1700Z-1800Z, Jan 1 (432)
+ Original QRP Contest	1500Z, Jan 1 to 1500Z, Jan 2
+ ARRL Kids Day	1800Z-2359Z, Jan 1
+ K1USN Slow Speed Test	0000Z-0100Z, Jan 3
+ OK1WC Memorial	1630Z-1729Z, Jan 3
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jan 4
+ ARS Spartan Sprint	0200Z-0400Z, Jan 4
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 4
+ QRP Fox Hunt	0200Z-0330Z, Jan 5
+ Phone Weekly Test - Fray	0230Z-0300Z, Jan 5
+ CWops Mini-CWT Test	1300Z-1400Z, Jan 5
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jan 5
+ CWops Mini-CWT Test	1900Z-2000Z, Jan 5
+ UKEICC 80m Contest	2000Z-2100Z, Jan 5
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Jan 6 and 0200Z-0300Z, Jan 7
+ CWops Mini-CWT Test	0300Z-0400Z, Jan 6
+ CWops Mini-CWT Test	0700Z-0800Z, Jan 6
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 6
+ NRAU 10m Activity Contest	1800Z-1900Z, Jan 6 (CW) and 1900Z-2000Z, Jan 6 (SSB) and 2000Z-2100Z, Jan 6 (FM) and 2100Z-2200Z, Jan 6 (Dig)
+ EACW Meeting	1900Z-2000Z, Jan 6
+ SKCC Sprint Europe	2000Z-2200Z, Jan 6
+ NCCC RTTY Sprint	0145Z-0215Z, Jan 7
+ QRP Fox Hunt	0200Z-0330Z, Jan 7
+ NCCC Sprint	0230Z-0300Z, Jan 7
+ K1USN Slow Speed Test	2000Z-2100Z, Jan 7
+ YB DX Contest	0000Z-2359Z, Jan 8
+ PODXS 070 Club PSKFest	0000Z-2400Z, Jan 8
+ Old New Year Contest	0500Z-0900Z, Jan 8
+ SKCC Weekend Sprintathon	1200Z, Jan 8 to 2400Z, Jan 9
+ RSGB AFS Contest, CW	1300Z-1700Z, Jan 8
+ ARRL RTTY Roundup	

+ EUCW 160m Contest	2000Z-2300Z, Jan 8 and 0400Z-0700Z, Jan 9
+ NRAU-Baltic Contest, SSB	0630Z-0830Z, Jan 10
+ DARC 10-Meter Contest	0900Z-1059Z, Jan 9
+ NRAU-Baltic Contest, CW	0900Z-1100Z, Jan 9
+ Midwinter Contest	1000Z-1400Z, Jan 9
+ K1USN Slow Speed Test	0000Z-0100Z, Jan 10
+ 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Jan 10
+ OK1WC Memorial	1630Z-1729Z, Jan 10
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jan 11
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 11
+ QRP Fox Hunt	0200Z-0330Z, Jan 12
+ Phone Weekly Test - Fray	0230Z-0300Z, Jan 12
+ CWops Mini-CWT Test	1300Z-1400Z, Jan 12
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jan 12
+ CWops Mini-CWT Test	1900Z-2000Z, Jan 12
+ CWops Mini-CWT Test	0300Z-0400Z, Jan 13
+ CWops Mini-CWT Test	0700Z-0800Z, Jan 13
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 13
+ EACW Meeting	1900Z-2000Z, Jan 13
+ NCCC RTTY Sprint	0145Z-0215Z, Jan 14
+ QRP Fox Hunt	0200Z-0330Z, Jan 14
+ NCCC Sprint	0230Z-0300Z, Jan 14
+ K1USN Slow Speed Test	2000Z-2100Z, Jan 14
+ Malaysia DX Contest	0000Z-2359Z, Jan 15
+ UBA PSK63 Prefix Contest	1200Z, Jan 15 to 1200Z, Jan 16
+ PRO Digi Contest	1200Z, Jan 15 to 1159Z, Jan 16
+ Hungarian DX Contest	1200Z, Jan 15 to 1159Z, Jan 16
+ North American QSO Party, CW	1800Z, Jan 15 to 0559Z, Jan 16
+ ARRL January VHF Contest	1900Z, Jan 15 to 0359Z, Jan 17
+ WAB 1.8 MHz Phone	1900Z-2300Z, Jan 15
+ Feld Hell Sprint	2000Z, Jan 15 to 0559Z, Jan 16
+ RSGB AFS Contest, Data	1300Z-1700Z, Jan 16
+ Run for the Bacon QRP Contest	2300Z, Jan 16 to 0100Z, Jan 17
+ K1USN Slow Speed Test	0000Z-0100Z, Jan 17
+ OK1WC Memorial	1630Z-1729Z, Jan 17
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jan 18
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 18
+ QRP Fox Hunt	0200Z-0330Z, Jan 19
+ Phone Weekly Test - Fray	0230Z-0300Z, Jan 19
+ CWops Mini-CWT Test	1300Z-1400Z, Jan 19
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jan 19
+ CWops Mini-CWT Test	1900Z-2000Z, Jan 19

+ Walk for the Bacon QRP Contest	0000Z-0100Z, Jan 20 and 0200Z-0300Z, Jan 21
+ NAQCC CW Sprint	0130Z-0330Z, Jan 20
+ CWops Mini-CWT Test	0300Z-0400Z, Jan 20
+ CWops Mini-CWT Test	0700Z-0800Z, Jan 20
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 20
+ EACW Meeting	1900Z-2000Z, Jan 20
+ NCCC RTTY Sprint	0145Z-0215Z, Jan 21
+ QRP Fox Hunt	0200Z-0330Z, Jan 21
+ NCCC Sprint	0230Z-0300Z, Jan 21
+ K1USN Slow Speed Test	2000Z-2100Z, Jan 21
+ BARTG RTTY Sprint	1200Z, Jan 22 to 1200Z, Jan 23
+ RSGB AFS Contest, SSB	1300Z-1700Z, Jan 22
+ North American QSO Party, SSB	1800Z, Jan 22 to 0559Z, Jan 23
+ NA Collegiate Championship, SSB	1800Z, Jan 22 to 0559Z, Jan 23
+ Classic Exchange, Phone	1400Z, Jan 23 to 0800Z, Jan 24 and 1400Z, Jan 25 to 0800Z, Jan 26
+ K1USN Slow Speed Test	0000Z-0100Z, Jan 24
+ OK1WC Memorial	1630Z-1729Z, Jan 24
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jan 25
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 25
+ SKCC Sprint	0000Z-0200Z, Jan 26
+ QRP Fox Hunt	0200Z-0330Z, Jan 26
+ Phone Weekly Test - Fray	0230Z-0300Z, Jan 26
+ CWops Mini-CWT Test	1300Z-1400Z, Jan 26
+ CWops Mini-CWT Test	1900Z-2000Z, Jan 26
+ UKEICC 80m Contest	2000Z-2100Z, Jan 26
+ AWA Linc Cundall Memorial CW Contest	2300Z, Jan 26 to 2300Z, Jan 27 and 2300Z, Jan 29 to 2300Z, Jan 30
+ NAQCC CW Sprint	0130Z-0330Z, Jan 27
+ CWops Mini-CWT Test	0300Z-0400Z, Jan 27
+ CWops Mini-CWT Test	0700Z-0800Z, Jan 27
+ RTTYOPS Weeksprint	1700Z-1900Z, Jan 27
+ EACW Meeting	1900Z-2000Z, Jan 27
+ NCCC RTTY Sprint	0145Z-0215Z, Jan 28
+ QRP Fox Hunt	0200Z-0330Z, Jan 28
+ NCCC Sprint	0230Z-0300Z, Jan 28
+ K1USN Slow Speed Test	2000Z-2100Z, Jan 28
+ CQ 160-Meter Contest, CW	2200Z, Jan 28 to 2200Z, Jan 30
+ REF Contest, CW	0600Z, Jan 29 to 1800Z, Jan 30
+ UBA DX Contest, SSB	1300Z, Jan 29 to 1300Z, Jan 30
+ Winter Field Day	1900Z, Jan 29 to 1900Z, Jan 30

BA DX Contest, SSB	1300Z, Jan 29 to 1300Z, Jan 30
+ Winter Field Day	1900Z, Jan 29 to 1900Z, Jan 30
+ K1USN Slow Speed Test	0000Z-0100Z, Jan 31
+ QCX Challenge	1300Z-1400Z, Jan 31
+ OK1WC Memorial	1630Z-1729Z, Jan 31
+ QCX Challenge	1900Z-2000Z, Jan 31

DX Operating Information

Dave Fairbanks N8NB

Credit for the below information and further information on these operations and others can be found at the following website: <http://www.ng3k.com>

January						
2022 Jan01	2022 Jan20	St Martin	FS <small>NEW</small>		DXW.Net 20211222	By F8AAN as FS/F8AAN; 40-6m; CW; 100w; verticals
2022 Jan04	2022 Feb06	Sint Maarten	PJ7	LoTW	DXNews 20211219	By VA3QSL as PJ7VA3QSL fm IOTA NA- 105; 40-6m; CW SSB + digital; QSL via VA3QSL
2022 Jan09	2022 Feb18	Montserrat	VP2MDF	W2APF	TDDX 20211215	By W2APF; 80-10m; CW SSB; 100w; Buddipole, Hexbeam, Delta Loop
2022 Jan20	2022 Feb01	Guadeloupe	TO6S	F6KJS Direct	F5LRL 20211021	By F6BCW F1MNQ F1TCV F5LRL VE7KW fm Terre de Haut I (IOTA NA- 114, FK95eu87, WLOTA- 3998); HF; CW SSB RTTY FT8; 2 stations; 24/24; QSL OK via REF Buro w/ about 9 month delay; see Web for QSL instructons
2022 Jan20	2022 Jan27	Mauritius	3B8HH	See qrz.com	TDDX 20211203	By HB9DNG fm Pereybere; 80-2m; CW PSK RTTY, some SSB; daily fm 1800z; end date not specified
2022 Jan23	2022 Feb01	Aruba	P4	DL4MM	DL4MM 20211020	By DL4MM as P4/DL4MM; HF w/ focus on low bands and WARC; CW FT8 SSB; QRV for CQ 160m CW using P40AA (also on FT8)

SWAP & SHOP Continued

10. Radio Shack Pro-2044 Scanner. \$30
11. Royce 2-100 Field Strength & SWR meter. \$15
12. Midland 23-135B Field Strength meter. \$10
13. Lafayette Telsat SSB-75 SSB and AM transceiver. \$45
14. Radio Shack HTA20 2 meter mobile transmit amp. \$55.
15. DSI-5500 50hz-512mhz frequency counter. \$55
16. MFJ-260C dummy load. \$40
17. MFJ-1702 2 position coax switch. \$35
18. MFJ-945D Mobile tuner. \$80
19. MFJ-945E Mobile tuner. \$115
20. MFJ-949E Deluxe Versatuner II. \$115
21. Large backlit "On the Air" sign. \$25
22. RCI-5054 6m SSB transceiver. \$170
23. J-38 style straight key mounted to heavy base. \$20 ob.

Antenna items below:

1. CSH-A4S Beam with optional A-744 driven element for 40 meters. It may need some adjustments. \$75.
2. Diamond X200 vertical for 2M and 70CM. \$100
3. Ham IV rotator and controller. \$450.



The Last Word

“Tomorrow is the first blank page of a 365-page book. Write a good one.” — Brad Paisley

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<https://www.facebook.com/mahvalradio>



The **VOICE COIL** is the monthly publication of the Mahoning Valley Amateur Radio Association, Inc. (MVARA) and is intended to present news, issues and opinions of interest to MVARA members and the Amateur Radio Community. We encourage contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world.

Permission is granted to reprint material contained herein as long as proper credit is given to this newsletter and the author. Ideas for and contributions to the VOICE COIL should be submitted to:

MVARAVoiceCoil@gmail.com

Submissions must be received **no later than the 24th** of the month prior to the month of issue, unless otherwise specified. **Submissions should be in MS Word format or ASCII text—no PDF, please!** Material received after the deadline will be used in the next month's VOICE COIL if it is still current and /or newsworthy.

Swap and Shop Policies

Swap and Shop listings are open to all licensed Mahoning Valley Hams, based on space available—you don't need to be an MVARA member. Please submit your list to mvara.w8qly@gmail.com **AND** mvaravoicecoil@gmail.com for placement in both *Voice Coil* and website. MVARA assumes no responsibility for transactions made or inaccuracies in ads. You are responsible for checking your ad and notifying us of any corrections. Ads will run for two consecutive issues unless notified otherwise.

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