



February 2022  
Our 103rd Year  
Volume 60, Issue 2

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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**

## **Prez Sez**



I hope everyone out there has managed to dig themselves out of the snow by now. If not, it is a good time to work some radio. I know we were snowed in for a couple of days I even had to drag the car to the road with the tractor before I could get the drive cleared. I don't know about you, but I've seen enough snow for a while

The Board has been working very hard at a plan for the future of the club. Some of the things that we have been working on are membership, education, activities, public service, and public relations. We have continued with an already formed for Membership/New Member Committee. They will give us insight on what new members want and how to recruit new members to the club.

The education committee will keep us on track with our technician and general classes. They will also help with the newly renamed "What's Next" which used to be Ham Radio Bootcamp to help newly licensed operators explore the hobby now that they have a license.

The activities committee oversee public relations and plan all the clubs' activities--there are going to be more than ever. We are going to be planning participation in QSO parties, car show, classes, project builds and more--we are going to be having some fun!

73,  
Scott, KE4UHC

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### **February Meeting Location:**

GOP Headquarters, Adamas Plaza  
8381 Market St, Boardman, OH 44512  
February 10, 2022, 7 PM

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

### 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](mailto: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](mailto: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.

## Baofeng: Can a Cheap Ham Radio Be Any Good?

The **Baofeng UV-5RA** is popular because it costs less than \$50. Many new hams buy one because it's an inexpensive and workable solution to getting on the air.

Most competing handheld radios from Yaesu, Icom, Kenwood, or Alinco are priced at around \$100 to as much as \$500--and that's sometimes without accessories such as headsets. However, they're more durable.

Here's a quick summary of the pros and cons of the most popular model, UV-5R.

### Pros

- The Baofeng UV-5R ships with a drop-in charger and a headset.
- The price is right, and it will be cheap to replace if you break or lose it.
- Easy-to-find and inexpensive batteries.
- Supported by CHIRP programming software.

### Cons

- Keypad programming/menu is not user-friendly.
- Build quality--not as durable as a more expensive radio
- Manuals not always well-written

The good news is that with a few changes, it can be a reliable, useful handheld and mobile unit with decent range.

1. Ditch the standard rubber duck antenna and replace with a longer one. For mobile use, get a magnet mount antenna and SMA Female to UHF SO239 Female jumper cable. Both will increase your range significantly.
2. Use only the FDTI USB programming cable and the CHIRP programming software. They work well together and will make setting up the radio easier.
3. Purchase a high capacity battery, the BL-5 3800 mAh. Not only do you have a spare, but this one lasts much longer than the stock battery--an advantage if the power goes out.
4. It also can receive the weather broadcasts from NOAA--be sure to program in your local frequency.

Use these helpful websites to get the most out of your Baofeng:

\*Chirp programming software-

<https://chirp.danplanet.com/projects/chirp/wiki/Home>

\*Cheat Sheet- <https://w7apk.com/baofeng>

\*Miklor information site- <https://www.miklor.com/>

🌟 **Refresher Answers:** E4D01 (A), E4D02 (A), G8C01 (C), G8C02 (A)

## Current Activities

**February 10:** Monthly meeting 7pm. GOP HQ and Zoom.

### Comments, Questions?

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

Meeting ideas/ suggestions? Contact Dave, KD8NZF, [KD8NZF@zoominternet.net](mailto:KD8NZF@zoominternet.net)

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## Swap and Shop

**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. (From Dave, N8NB)

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***



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

E4D01

What is meant by the blocking dynamic range of a receiver?

- A. The difference in dB between the noise floor and the level of an incoming signal that will cause 1 dB of gain compression
- B. The minimum difference in dB between the levels of two FM signals that will cause one signal to block the other
- C. The difference in dB between the noise floor and the third-order intercept point
- D. The minimum difference in dB between two signals which produce third-order intermodulation products greater than the noise floor

E4D02

Which of the following describes problems caused by poor dynamic range in a receiver?

- A. Spurious signals caused by cross-modulation and desensitization from strong adjacent signals
- B. Oscillator instability requiring frequent retuning and loss of ability to recover the opposite sideband
- C. Cross-modulation of the desired signal and insufficient audio power to operate the speaker
- D. Oscillator instability and severe audio distortion of all but the strongest received signals

## General Pool

G8C01

On what band do amateurs share channels with the unlicensed Wi-Fi service?

- A. 432 MHz
- B. 902 MHz
- C. 2.4 GHz
- D. 10.7 GHz

G8C02

Which digital mode is used as a low-power beacon for assessing HF propagation?

- A. WSPR
- B. Olivia
- C. PSK31
- D. SSB-SCG8B01

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](mailto: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](mailto:w8qly@arrl.net) ALSO!!

# KE4UHC you're 5/9 in Ohio

Dave, KD8NZF

If you operate on HF and participate in contests or qso parties you are well versed with the R-S-T signal report system. In many contests it is common to report every contact as 59 to save time and move on to the next contact. But occasionally you may be asked to give a true report. So, how do you judge the signal?



The R in R-S-T stands for readability and is on a scale from 1 to 5:

1. Unreadable
2. Barely readable, occasional words distinguishable
3. Readable with considerable difficulty
4. Readable with practically no difficulty
5. Perfectly readable

Of course, there can be some grey areas here. How do you rate their signal if they are fading? When they fade out you may lose them all together, but when they fade in they sound like they are sitting next to you. Which gets us to the S part of the report. S is a judgement of the Strength of their Signal and is on a scale from 1 to 9.

1. Faint—signals barely perceptible
2. Very weak signals
3. Weak signals
4. Fair signals
5. Fairly good signals
6. Good signals
7. Moderately strong signals
8. Strong signals
9. Extremely strong signals

The T part is a judgement of the Tone of the signal, and this is for use on Morse Code signals. For phone only the R-S parts are used. The tone is also rated 1 to 9.

Value 1936 definition modern definition

- 1 Extremely rough hissing note Sixty cycle a.c. or less, very rough and broad
- 2 Very rough a.c. note, no trace of musicality Very rough a.c., very harsh and broad
- 3 Rough, low-pitched a.c. note, slightly musical Rough a.c. tone, rectified but not filtered
- 4 Rather rough a.c. note, moderately musical Rough note, some trace of filtering
- 5 Musically modulated note Filtered rectified a.c. but strongly ripple-modulated
- 6 Modulated note, slight trace of whistle Filtered tone, definite trace of ripple modulation
- 7 Near d.c. note, smooth ripple Near pure tone, trace of ripple modulation
- 8 Good d.c. note, just a trace of ripple Near perfect tone, slight trace of modulation
- 9 Purest d.c. note Perfect tone, no trace of ripple or modulation of any kind



## HAM QUILTS HOBBY OVER FUNNY PHONETICS



By [K5KVN](#), on the scene

**NORFOLK, Va.** – Mitch Eversdale blames it on “Three Lovely Ladies.” Those are the phonetics a ham in Michigan used when talking to a station with a callsign suffix of “TLL.” And it was the last straw for the long-time ham radio operator.

“It happens all the time and I’m sick of it. Just the other day, I was tuning around 40m and someone made ‘WB’ into ‘Wild Bill,’” said Eversdale.

A retired Navy radio operator, Eversdale admits he’s a “hardcore traditional man” when it comes to phonetics.

“Can you imagine saying something that ridiculous on a Navy frequency? I believe you’d get thrown into the drink if you did,” he says.

His ham radio friends, like Benny Roddenfall, have told him he needs to lighten up.

“I don’t know why he gets so worked up about it. Heck, he nearly punched me at the club meeting last week when I referred to QST Magazine as “Q Street,” says Roddenfall.

After overhearing the contact between the Michigan ham and the station ending in “TLL,” Eversdale says he’s through with being on-air.

“I’ll focus my attention on a hobby that takes things more seriously, like embroidery. There’s a hobby that can’t get things wrong.”

### [hamhijinks.com](http://hamhijinks.com)

photo credit: [ian\\_pettigrew](#) via [photopin cc](#)

# 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>.

### February 2022

+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 1
+ QCX Challenge	0300Z-0400Z, Feb 1
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 1
+ QRP Fox Hunt	0200Z-0330Z, Feb 2
+ Phone Weekly Test	0230Z-0300Z, Feb 2
+ CWops Test	1300Z-1400Z, Feb 2
+ Mini-Test 40	1700Z-1759Z, Feb 2
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 2
+ Mini-Test 80	1800Z-1859Z, Feb 2
+ CWops Test	1900Z-2000Z, Feb 2
+ UKEICC 80m Contest	2000Z-2100Z, Feb 2
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Feb 3 and 0200Z-0300Z, Feb 4
+ CWops Test	0300Z-0400Z, Feb 3
+ CWops Test	0700Z-0800Z, Feb 3
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 3
+ NRAU 10m Activity Contest	1800Z-1900Z, Feb 3 (CW) and 1900Z-2000Z, Feb 3 (SSB) and 2000Z-2100Z, Feb 3 (FM) and 2100Z-2200Z, Feb 3 (Dig)
+ EACW Meeting	1900Z-2000Z, Feb 3
+ SKCC Sprint Europe	2000Z-2200Z, Feb 3
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 4
+ QRP Fox Hunt	0200Z-0330Z, Feb 4
+ NCCC Sprint Ladder	0230Z-0300Z, Feb 4
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 4
+ Vermont QSO Party	0000Z, Feb 5 to 2400Z, Feb 6
+ 10-10 Int. Winter Contest, SSB	0001Z, Feb 5 to 2359Z, Feb 6
+ EurAsia HF Championship	0600Z-1800Z, Feb 5
+ F9AA Cup, CW	1200Z, Feb 5 to 1200Z, Feb 6
+ Mexico RTTY International Contest	1200Z, Feb 5 to 2359Z, Feb 6
+ FYBO Winter QRP Sprint	1400Z-2400Z, Feb 5
+ Minnesota QSO Party	1400Z-2400Z, Feb 5
+ FISTS Saturday Sprint	1600Z-1800Z, Feb 5
+ British Columbia QSO Party	1600Z, Feb 5 to 0359Z, Feb 6 and 1600Z-2359Z, Feb 6
+ AGCW Straight Key Party	1600Z-1900Z, Feb 5
+ European Union DX Contest	1800Z, Feb 5 to 1800Z, Feb 6
+ North American Sprint, CW	2300Z, Feb 5 to 0300Z, Feb 6



+ Classic Exchange, CW	1400Z, Feb 6 to 0800Z, Feb 7 and 1400Z, Feb 8 to 0800Z, Feb 9
+ K1USN Slow Speed Test	0000Z-0100Z, Feb 7
+ OK1WC Memorial	1630Z-1729Z, Feb 7
+ RSGB 80m Club Championship, SSB	2000Z-2130Z, Feb 7
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 8
+ ARS Spartan Sprint	0200Z-0400Z, Feb 8
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 8
+ NAQCC CW Sprint	0130Z-0330Z, Feb 9
+ QRP Fox Hunt	0200Z-0330Z, Feb 9
+ Phone Weekly Test	0230Z-0300Z, Feb 9
+ CWops Test	1300Z-1400Z, Feb 9
+ Mini-Test 40	1700Z-1759Z, Feb 9
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 9
+ Mini-Test 80	1800Z-1859Z, Feb 9
+ CWops Test	1900Z-2000Z, Feb 9
+ CWops Test	0300Z-0400Z, Feb 10
+ CWops Test	0700Z-0800Z, Feb 10
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 10
+ EACW Meeting	1900Z-2000Z, Feb 10
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 11
+ QRP Fox Hunt	0200Z-0330Z, Feb 11
+ NCCC Sprint Ladder	0230Z-0300Z, Feb 11
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 11
+ CQ WW RTTY WPX Contest	0000Z, Feb 12 to 2359Z, Feb 13
+ SARL Field Day Contest	1000Z, Feb 12 to 1000Z, Feb 13
+ Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 12
+ Dutch PACC Contest	1200Z, Feb 12 to 1200Z, Feb 13
+ SKCC Weekend Sprintathon	1200Z, Feb 12 to 2400Z, Feb 13
+ KCJ Topband Contest	1200Z, Feb 12 to 2359Z, Feb 13
+ YLRL YL-OM Contest	1400Z, Feb 12 to 0200Z, Feb 14
+ OMISS QSO Party	1500Z, Feb 12 to 1500Z, Feb 13
+ RSGB 1.8 MHz Contest	1900Z-2300Z, Feb 12
+ AWA Amplitude Modulation QSO Party	2300Z, Feb 12 to 2300Z, Feb 13
+ Balkan HF Contest	1300Z-1700Z, Feb 13
+ PODXS 070 Club Valentine Sprint	0000Z-2359Z, Feb 14
+ K1USN Slow Speed Test	0000Z-0100Z, Feb 14
+ CQC Winter QSO Party	0100Z-0259Z, Feb 14
+ 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Feb 14
+ ARRL School Club Roundup	1300Z, Feb 14 to 2359Z, Feb 18
+ OK1WC Memorial	1630Z-1729Z, Feb 14
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 15

+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 22
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 22
+ SKCC Sprint	0000Z-0200Z, Feb 23
+ QRP Fox Hunt	0200Z-0330Z, Feb 23
+ Phone Weekly Test	0230Z-0300Z, Feb 23
+ CWops Test	1300Z-1400Z, Feb 23
+ Mini-Test 40	1700Z-1759Z, Feb 23
+ Mini-Test 80	1800Z-1859Z, Feb 23
+ CWops Test	1900Z-2000Z, Feb 23
+ UKEICC 80m Contest	2000Z-2100Z, Feb 23
+ CWops Test	0300Z-0400Z, Feb 24
+ CWops Test	0700Z-0800Z, Feb 24
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 24
+ EACW Meeting	1900Z-2000Z, Feb 24
+ RSGB 80m Club Championship, CW	2000Z-2130Z, Feb 24
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 25
+ QRP Fox Hunt	0200Z-0330Z, Feb 25
+ NCCC Sprint Ladder	0230Z-0300Z, Feb 25
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 25
+ CQ 160-Meter Contest, SSB	2200Z, Feb 25 to 2200Z, Feb 27
+ REF Contest, SSB	0600Z, Feb 26 to 1800Z, Feb 27
+ FTn DX Contest	1200Z, Feb 26 to 1200Z, Feb 27
+ UBA DX Contest, CW	1300Z, Feb 26 to 1300Z, Feb 27
+ South Carolina QSO Party	1500Z, Feb 26 to 0159Z, Feb 27
+ NA Collegiate Championship, RTTY	1800Z, Feb 26 to 0559Z, Feb 27
+ North American QSO Party, RTTY	1800Z, Feb 26 to 0559Z, Feb 27
+ High Speed Club CW Contest	1400Z-1700Z, Feb 27
+ North Carolina QSO Party	1500Z, Feb 27 to 0100Z, Feb 28
+ K1USN Slow Speed Test	0000Z-0100Z, Feb 28
+ QCX Challenge	1300Z-1400Z, Feb 28
+ OK1WC Memorial	1630Z-1729Z, Feb 28
+ QCX Challenge	1900Z-2000Z, Feb 28
+ RSGB FT4 Contest	2000Z-2130Z, Feb 28



# **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>

<b>February</b>						
2022 Feb01	2022 Feb10	<b>Surinam</b>	<b>PZ5KV</b> <small>NEW</small>	Club Log OQRS	<a href="#">DXW.Net</a> 20220118	By DL6KVA; HF, CW
2022 Feb03	2022 Feb20	<b>Zimbabwe</b>	<b>Z2</b>	LoTW	<a href="#">DXNews</a> 20211118	By DL7BO as Z22O and dDJ6TF as Z21A; 160-10m; CW SSB FT8 FT4
2022 Feb04	2022 Feb13	<b>Ivory Coast</b>	<b>TU5PCT</b>	LoTW	<a href="#">DXNews</a> 20220111	By OK1BOA OK1FCJ OK6DJ fm IJ85ce; 80-10m; CW SSB RTTY FT8; QSL via Club Log OQRS
2022 Feb05	2022 Feb25	<b>Mauritius</b>	<b>3B8GY</b>	SP2JMB	<a href="#">DXNews</a> 20220110	By SP2JMB SP2TO fm IOTA AF-049; HF; CW SSB RTTY
2022 Feb06	2022 Feb28	<b>Senegal</b>	<b>6W</b> <small>NEW</small>	Club Log OQRS	<a href="#">OPDX</a> 20220121	By ON4AVT as 6W/ON4AVT fm Warang; 80-10m; SSB + digital; end fed wire, double Zepp; operation to continue until April
2022 Feb08	2022 Feb15	<b>Maldives</b>	<b>8Q7AH</b> <small>NEW</small>	LU4DXU	<a href="#">TDDX</a> 20220120	By LU4DXU fm Dharavandhoo Island (IOTA AS-013); HF; SSB FT8
2022 Feb08	2022 Mar01	<b>St Kitts &amp; Nevis</b>	<b>V4</b>	LoTW	<a href="#">DXNews</a> 20211014	By KG9N as V4/KG9N fm St Kitts (IOTA NA-104); @V47JA; HF; QSL via KG9N
2022 Feb12	2022 Feb15	<b>Ogasawara</b>	<b>JD1</b>	LoTW	<a href="#">TDDX</a> 20220111	By JE1XUZ as JE1XUZ/JD1; HF; CW SSB FT8; 50w; QSL via JE1XUZ (B/d)
2022 Feb12	2022 Mar08	<b>Maldives</b>	<b>8Q</b> <small>NEW</small>	Home Call	<a href="#">DXNews</a> 20220121	By OK2WM as 8Q7WM and OK2WX as 8Q7WX fm Innahura I (IOTA AS-013); 160 80 40m; CW SSB
<b><a href="#">ARRL International DX Contest, CW</a> (Feb 19-20, 2022) Check here for pericontest activity too.</b>						
2022 Feb24	2022 Mar08	<b>St Vincent</b>	<b>J88PI</b>	GW4DVB Direct	<a href="#">TDDX</a> 20210823	By GW4DVB fm Palm I (IOTA NA-025, FK92ho); 40-6m; SSB FT8
2022 Feb25	2022 Feb27	<b>Puerto Rico</b>	<a href="#">KP3RE</a>	EA5GL	KP3V 20211215	By KP3V KP3H KP4RD KP4VP WP4U WP4N NP3MR NP3MJ WP4AW fm Vieques I (IOTA NA-249); 80-10m; CW SSB FT8
2022 Feb26	2022 Mar26	<b>Sint Maarten</b>	<b>PJ7AA</b>	AA9A	AA9A 20211219	By AA9A; 80-10m; CW SSB FT8 FT4

## **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.

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**Selling for an estate. Please contact Scott Wilton at 727-501-5195 for any more information. All equipment is well taken care of and looks brand new.**

- IG-102 RF Signal Generator has test leads and powers up on plug in. Comes with assembly manual \$45
- Sencore MU 150 tube tester has manual and instruction manual powers up \$400
- Heathkit Vacuum tube tester IM-18 has manual has leads and powers up. \$50
- Allied Knight 50 watt transmitter T-50 has manual has extra frequency modules \$85
- Hummerlund HQ-One Seventy A has manual. Extra tubes. Powers up \$125
- The technical materials corp. Communications receiver Model GPR-90 Has manual and extra tubes - \$275
- Astron power supply VS 35M \$100
- Hallicrafters Transceiver Model HT-37 Powers up. \$250
- Yesu FT950 No box no mic. Has manual \$725
- Heathkit digital frequency counter Model IM-2410 Frequency range 10Hz – 50MHz and 20MHz – 225MHz \$50
- Hallicrafters T.O.Keyer Model HA-1 \$50
- Heathkit Linear amplifier Model SB-200 Powers up
- MFJ Versa Tuner V 3kw Series Roller Inductor Model MFJ-989C Has manual \$200
- MFJ HF/VHF SWR analyzer Model MFJ 259B has manual \$150

# MVARA 24/7 Club Connection

All MVARA members are encouraged to join and use the MVARA 24/7 Club Connection. It is hosted on Groups.io which is a modern internet platform designed to help people organize and share knowledge. There are no advertisements and your data is never tracked. It is a supercharged email system that uses a forum/topic format to organize posts. Many Ham clubs around the country have found Groups.io very useful to share experiences and organize activities.

The MVARA group is a private group limited to club members only. No one else will be able to view our files or posts. You can have all the posts sent to your email address or set your account to not get emails and view all the posts with your web browser.

You will need to have Groups.io account and then apply for membership in the MVARA group. There is video on our web site [mvara.org/videos.html](http://mvara.org/videos.html) by Dave KD8NZF that shows how to use and join the 24/7 Club Connection.

Here is the link to obtain a Groups.io account  
<https://groups.io/register>

If you have a Groups io account you can join the MVARA group here: <https://groups.io/g/mvara>

We hope everyone finds this new platform useful and enjoyable to use.

Rich, KB8GAE





## *The Last Word*

“If you can’t convince them, confuse them.” - Harry S. Truman.

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The Facebook logo, consisting of the word "facebook" in its characteristic blue, lowercase, sans-serif font.

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](mailto: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](mailto:mvara.w8qly@gmail.com) **AND** [mvaravoicemail@gmail.com](mailto:mvaravoicemail@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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