



April 2022
Our 103rd Year
Volume 60, Issue 4

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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



By the time you read this we will be back in the throes of winter. I hope all of you took advantage of the nice weather we had and got out and checked the antennas and coax and connections. I know I did and I found a couple of connections that were not tight. Those were connections on the inside of the house.

I have been looking at the calendar for the next few months and I think we have a pretty good one for ham radio and club events. Our first classes for the technician's license are underway. We currently have 7 students. We will be having NVIS day at lake Milton that is always fun. Just one day and we pretty much have it all figured out there for antennas. We have Field Day the last full weekend of June and that is always a good time. I want to go big this year and run 8A and I think we can do it.

Then there is the car show. Boy, we really had a good time last year. A record number of cars and we made quite a few contacts as I remember. We can't forget the corn roast, a great time for fellowship food and fun. And we may even throw in a few special event stations or get in on a few QSO parties too.

I sure would like to see a whole bunch of you to show up at all these events and get in on the fun.

April Meeting Location:

GOP Headquarters, Adamas Plaza
8381 Market St, Boardman, OH 44512
April 14, 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, 330.501.5031, 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.

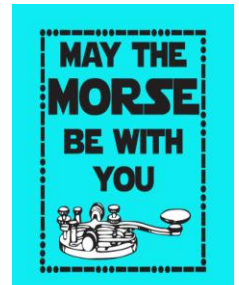
The club call is **W8QLY**; equipment
operated under this call includes a
two meter voice repeater at 146.745
(-600, 110.9 PL). Club email:
mvara.w8qly@gmail.com

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.

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Our program for the April meeting will be a presentation by Joe Fischer, AA8TA. Joe will be speaking about Morse Code and the CW Academy put on by CWOPS.

As a youngster, Joe became a HAM, in the code required days. He worked up from the initial 5 WPM for Novice to the required 13 WPM for an Advanced Ticket. At that point it was time to go off to College and in his words spent the next 35 years as an Advanced ticket holder without making a single HF contact. He was active for some of that time on VHF and repeaters.

About 2010 he rose to the surface and discovered there was no longer a code requirement to take the EXTRA exam, became an Extra and got back into Ham Radio. He also got back into CW and was up to about 20 WPM. He was inclined to change his call sign and says he moved from WB8TDO to W8JPF, then as he became more involved with CW to the current AA8TA. He explains he chose that call because of how easy it is to send with Morse. Compare my call, KD8NZF, to his in Morse:

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AA8TA

- . - - . . - - . -

KD8NZF

Today Joe is in his fifth year as an Advisor with the CW Academy. CW Academy is a program of the CWOPS group aimed at increasing the numbers and skills of Morse operators in Ham Radio.

Please mark your calendar for the April 14th meeting as we discover what is new in the world of CW and the opportunities to learn CW.

Answers: License Refresher: E5A01 (-.), E5A02 (-.-.), G9B01 (-...), G9B02 (-...)

Current Activities

April 14: Monthly meeting 7pm. GOP HQ and Zoom. Joe Fischer and Morse Code.

May: Roll up 2M JPole antenna project—details to be announced.

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

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
- Hammarlund 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
- Yaesu 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

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.

>Continued Page 8



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

E5A01

What can cause the voltage across reactances in a series RLC circuit to be higher than the voltage applied to the entire circuit?

- A. Resonance
- B. Capacitance
- C. Conductance
- D. Resistance

E5A02

What is resonance in an LC or RLC circuit?

- A. The highest frequency that will pass current
- B. The lowest frequency that will pass current
- C. The frequency at which the capacitive reactance equals the inductive reactance
- D. The frequency at which the reactive impedance equals the resistive impedance

General Pool

G9B01

What is one disadvantage of a directly fed random-wire HF antenna?

- A. It must be longer than 1 wavelength
- B. You may experience RF burns when touching metal objects in your station
- C. It produces only vertically polarized radiation
- D. It is more effective on the lower HF bands than on the higher bands

G9B02

Which of the following is a common way to adjust the feed-point impedance of a quarter wave ground-plane vertical antenna to be approximately 50 ohms?

- A. Slope the radials upward
- B. Slope the radials downward
- C. Lengthen the radials
- D. Shorten the radials

[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!!

New Member Benefit – Goodman Perpetual Parts Bin



Some pretty interesting things do happen at Mahoning Valley Amateur Radio Association (MVARA) meetings. Our latest March meeting saw the creation of the Kevin Goodman Perpetual Parts Bin. Kevin, KF8OG, was a long time MVARA member and an excellent builder and electronics repairman.

Mike Goodman, N8PDV, Kevin's son has donated a substantial gift of electronics parts from his Dad's estate to the MVARA with the idea of those parts helping Club Members that build Ham Radio projects.

The MVARA accepted Mike Goodman's donation. The donation will continue to benefit MVARA Members into the long term future. To do that a motion was made at the March membership meeting to require that Club Members using any parts from this service be asked to make a financial donation to support the Parts Bin. Financial donations can also be made by any Club member at any time.

Those financial donations will be held in a special "Parts Bin Fund" created and maintained by the Club treasurer and will only be used for the perpetuation of the Goodman Parts Bin. Once per year the Club President will appoint one current Club officer and two current Club trustees to the "Parts Bin Committee" which will inventory the physical Parts Bin and decide what new parts to purchase with the donated funds, if any. Thus, this new member benefit will perpetually honor Kevin Goodman and his contributions over many years to the MVARA and continue to supply our members with electronic project parts for experimentation and the advancement of the art of Amateur Radio.

So, all you project builders out there, you've got a new source of parts for whatever project you're working on. Check with any Club officer on how to use this new benefit. The Goodman Perpetual Parts Bin is pretty impressive. Ask Andy, WA8ZLK. He was the first to use it and was amazed at the many and various parts that are currently available. What nice is that as our Members use this new benefit today, they will insure that the Goodman Perpetual Parts Bin will be benefitting MVARA members long into the future. That's what makes a Club like ours pretty amazing. Aren't you glad you're a member?

Attend more meetings. There are lots of fun things happening at the MVARA. *DE WB8YHD*

DXPEDITION TO NORTHERN KOREA SCHEDULED



By [WBØRUR](#), on the scene

MOUNTAIN VIEW, KANSAS – In what’s being called a tremendous yet terribly confusing opportunity for amateur radio, a Kansas ham radio club is moving forward with plans for an April DXpedition to northern Korea.

Members of the Great Windy Plains Radio Club are in the final preparation stage for their trip to northern Korea – a small town located in Culpeper County, Virginia. The trip is expected to take the 12-person group approximately 15 hours via a caravan of older pickups and recreational vehicles.

“Our travel time is limited by Jimmy’s 1984 Holiday Rambler,” says club president Ralph Watson. “Ever since that head gasket blew during Field Day ’08, his RV won’t go faster than 42 mph. It’ll cut into our operating time, but it’s a small price to pay for his kitchenette and fresh water tank.”

Northern Korean leaders were agreeable to the club’s operating conditions adds Watson. “In fact, the Chamber of Commerce has agreed to supply us with coffee and soft drinks during our stay.”

The GWPRC will set up operations in the lobby of the Holiday Inn Express, located on the northern side of Korea near the Culpeper and Rappahannock county line (on Eggbornsville Road).

“They’ve got a free continental breakfast, too,” adds Watson. “It’s really a win-win for everyone.”

“The club has wanted to stage a DXpedition for a long time,” says ‘Junior’ Hardy, a club member. He is also volunteering the use of his Swan 350 transceiver for the 20 meter SSB operation.

“But we don’t hear as well as we used to, so working pileups is out of the question. And most of us have prostate issues, so traveling long distances on a boat isn’t a possibility.

“We’re excited about activating northern Korea,” says Hardy. “We’ll QSL as soon as possible, too!”

The club will use call sign “KP5A” while operating from northern Korea. They will be active daily except during lunch when the group can be found at the Golden Corral in nearby Shenandoah.

[hamhijinks.com](#)

Swap and Shop Continued

Rick Tenan Estate Items

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-RadioShackAX-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
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-945D Mobile tuner. \$80
17. MFJ-945E Mobile tuner. \$115
18. MFJ-949E Deluxe Versatuner II. \$115
19. Large backlit "On the Air" sign. \$25
20. RCI-5054 6m SSB transceiver. \$170

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.

Dave Fairbanks, (330-501-5031)

1. Alpha Delta parallel dipole. Multi-band resonant, 1000w pep, 250 watt RTTY. 80,40,20,15 and 10 meters. 82 ft. total length. Antenna was assembled and used a short time and worked fine. Dxengineering part number ALF-DX-CC.

2. Geochron Digital Atlas 2 4k. 6 months old and works perfectly. It gives viewers a beautiful view of earth with the sunrise-sunset rendered in real time by its self-contained mini-computer that plugs into your monitor or TV. It displays night lights of cities, weather, travel routes, satellite tracking and much more. Dxe part number GEO-400-1000B.

FCC Fee Has Arrived

The FCC released a [Public Notice](#) on March 23, 2022, stating that the amateur radio application fees, including those associated with Form 605 application filings, would become **effective on April 19, 2022**. The Federal Communications Commission's authority to impose and collect fees is mandated by Congress.

The \$35 application fee, when it becomes effective on April 19, will apply to new, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications. The fee will be per application.

Administrative updates, such as a change of name, mailing or email address, will be exempt from fees.

VEC and VE team licensing procedures will not change. When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate. The candidate will have **10 calendar days**, from the date of the application file number being issued, to pay. After the fee is paid, and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license. The link will be good for 30 days.

Per usual procedures, examinees that pass multiple exams at one session, will have one application transmitted to the FCC reflecting the highest level license class earned. Again, our procedures will not change. The candidates will have an extra step before the license is issued. VE teams can point candidates to our FCC Application Fee webpage www.arrl.org/fcc-application-fee. Our new ARRL VEC CSCEs also include information about the application fee and points candidates to the webpage.

For VE teams holding exam sessions the weekend before April 19, the FCC stated if these applications are not submitted to the FCC before April 19, they will be subjected to the fee if received on or after April 19.

The ARRL VEC urges teams to upload sessions via our documents upload page to get your sessions to us as quickly as possible. Assuming the FCC electronic batch filing (EBF) system is functioning properly on Monday April 18, the VEC staff will work to get these to the FCC before April 19. Email the VEC department (VEC@arrl.org) for the upload instructions.

Additionally, the FCC stated that applications processed and dismissed will not be entitled to a refund. This includes vanity requests where the applicant does not receive the requested call sign. However, returned applications that are missing information will not require an additional fee, if the missing information is given to the FCC within the proper amount of time.

Youth Licensing Grant Program

Anticipating the implementation of the fee in 2022, the ARRL Board of Directors, at its July 2021 meeting, approved the "ARRL [Youth Licensing Grant Program](#)." Under the program, ARRL will cover a one-time \$35 application fee for license candidates younger than 18 years old for tests administered under the auspices of the ARRL Volunteer Examiner Coordinator (ARRL VEC). Qualified candidates also would pay a reduced exam session fee of \$5 to the ARRL VEC. ARRL is finalizing details for administering the program.

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>.

April 2022

+ QRP Fox Hunt	0100Z-0230Z, Apr 1
+ NCCC RTTY Sprint	0145Z-0215Z, Apr 1
+ NCCC Sprint	0230Z-0300Z, Apr 1
+ K1USN Slow Speed Test	2000Z-2100Z, Apr 1
+ RSGB FT4 International Activity Day	0800Z-2000Z, Apr 2
+ PODXS 070 Club PSK 31 Flavors Contest	1000Z, Apr 2 to 0400Z, Apr 3
+ EA RTTY Contest	1200Z, Apr 2 to 1200Z, Apr 3
+ Missouri QSO Party	1400Z, Apr 2 to 0400Z, Apr 3 and 1400Z-2000Z, Apr 3
+ Florida State Parks on the Air	1400Z-2200Z, Apr 2 and 1400Z-2200Z, Apr 3
+ Mississippi QSO Party	1400Z, Apr 2 to 0200Z, Apr 3
+ Louisiana QSO Party	1400Z, Apr 2 to 0200Z, Apr 3
+ SP DX Contest	Cancelled for 2022
+ K1USN Slow Speed Test	0000Z-0100Z, Apr 4
+ OK1WC Memorial	1630Z-1729Z, Apr 4
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Apr 4
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Apr 5
+ ARS Spartan Sprint	0100Z-0300Z, Apr 5
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 5
+ Phone Weekly Test	0230Z-0300Z, Apr 6
+ A1Club AWT	1200Z-1300Z, Apr 6
+ CWops Test	1300Z-1400Z, Apr 6
+ Mini-Test 40	1700Z-1759Z, Apr 6
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Apr 6
+ Mini-Test 80	1800Z-1859Z, Apr 6
+ CWops Test	1900Z-2000Z, Apr 6
+ UKEICC 80m Contest	2000Z-2100Z, Apr 6
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Apr 7 and 0200Z-0300Z, Apr 8
+ CWops Test	0300Z-0400Z, Apr 7
+ CWops Test	0700Z-0800Z, Apr 7
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 7
+ SARL 80m QSO Party	1700Z-1900Z, Apr 7
+ NRAU 10m Activity Contest	1800Z-1900Z, Apr 7 (CW) and 1900Z-2000Z, Apr 7 (SSB) and 2000Z-2100Z, Apr 7 (FM) and 2100Z-2200Z, Apr 7 (Dig)
+ EACW Meeting	1900Z-2000Z, Apr 7
+ SKCC Sprint Europe	2000Z-2200Z, Apr 7
+ NCCC RTTY Sprint	0145Z-0215Z, Apr 8
+ NCCC Sprint	0230Z-0300Z, Apr 8
+ K1USN Slow Speed Test	2000Z-2100Z, Apr 8

+ OK1WC Memorial	1630Z-1729Z, Apr 4
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Apr 4
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Apr 5
+ ARS Spartan Sprint	0100Z-0300Z, Apr 5
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 5
+ Phone Weekly Test	0230Z-0300Z, Apr 6
+ A1Club AWT	1200Z-1300Z, Apr 6
+ CWops Test	1300Z-1400Z, Apr 6
+ Mini-Test 40	1700Z-1759Z, Apr 6
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Apr 6
+ Mini-Test 80	1800Z-1859Z, Apr 6
+ CWops Test	1900Z-2000Z, Apr 6
+ UKEICC 80m Contest	2000Z-2100Z, Apr 6
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Apr 7 and 0200Z-0300Z, Apr 8
+ CWops Test	0300Z-0400Z, Apr 7
+ CWops Test	0700Z-0800Z, Apr 7
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 7
+ SARL 80m QSO Party	1700Z-1900Z, Apr 7
+ NRAU 10m Activity Contest	1800Z-1900Z, Apr 7 (CW) and 1900Z-2000Z, Apr 7 (SSB) and 2000Z-2100Z, Apr 7 (FM) and 2100Z-2200Z, Apr 7 (Dig)
+ EACW Meeting	1900Z-2000Z, Apr 7
+ SKCC Sprint Europe	2000Z-2200Z, Apr 7
+ NCCC RTTY Sprint	0145Z-0215Z, Apr 8
+ NCCC Sprint	0230Z-0300Z, Apr 8
+ K1USN Slow Speed Test	2000Z-2100Z, Apr 8
+ QRP ARCI Spring QSO Party	0000Z-0600Z, Apr 9
+ JIDX CW Contest	0700Z, Apr 9 to 1300Z, Apr 10
+ IG-RY World Wide RTTY Contest	1200Z, Apr 9 to 1800Z, Apr 10
+ DIG QSO Party, CW	1200Z-1700Z, Apr 9 (20m-10m) and 0700Z-0900Z, Apr 10 (80m) and 0900Z-1100Z, Apr 10 (40m)
+ OK/OM DX Contest, SSB	1200Z, Apr 9 to 1200Z, Apr 10
+ FTn DX Contest	1200Z, Apr 9 to 1200Z, Apr 10
+ SKCC Weekend Sprintathon	1200Z, Apr 9 to 2400Z, Apr 10
+ Nebraska QSO Party	1300Z, Apr 9 to 0100Z, Apr 10 and 1300Z-2200Z, Apr 10
+ Texas State Parks on the Air	1400Z, Apr 9 to 0200Z, Apr 10 and 1400Z-2000Z, Apr 10
+ New Mexico QSO Party	1400Z, Apr 9 to 0200Z, Apr 10
+ North Dakota QSO Party	1800Z, Apr 9 to 1800Z, Apr 10
+ Georgia QSO Party	1800Z, Apr 9 to 0359Z, Apr 10 and 1400Z-2359Z, Apr 10
+ Yuri Gagarin International DX Contest	2100Z, Apr 9 to 2100Z, Apr 10
+ International Vintage Contest HF	0700Z-1100Z, Apr 10 and 1500Z-1900Z, Apr 10

+ WAB 3.5/7/14 MHz Data Modes	1000Z-1400Z, Apr 10 and 1700Z-2100Z, Apr 10
+ Hungarian Straight Key Contest	1500Z-1600Z, Apr 10
+ ARRL Rookie Roundup, SSB	1800Z-2359Z, Apr 10
+ RSGB RoLo SSB	1900Z-2030Z, Apr 10
+ K1USN Slow Speed Test	0000Z-0100Z, Apr 11
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Apr 11
+ OK1WC Memorial	1630Z-1729Z, Apr 11
+ RSGB FT4 Contest	1900Z-2030Z, Apr 11
+ 144 MHz Spring Sprint	1900 local - 2300 local, Apr 11
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Apr 12
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 12
+ NAQCC CW Sprint	0030Z-0230Z, Apr 13
+ Phone Weekly Test	0230Z-0300Z, Apr 13
+ A1Club AWT	1200Z-1300Z, Apr 13
+ CWops Test	1300Z-1400Z, Apr 13
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Apr 13
+ Mini-Test 40	1700Z-1759Z, Apr 13
+ Mini-Test 80	1800Z-1859Z, Apr 13
+ CWops Test	1900Z-2000Z, Apr 13
+ CWops Test	0300Z-0400Z, Apr 14
+ CWops Test	0700Z-0800Z, Apr 14
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 14
+ EACW Meeting	1900Z-2000Z, Apr 14
+ NCCC RTTY Sprint	0145Z-0215Z, Apr 15
+ NCCC Sprint	0230Z-0300Z, Apr 15
+ K1USN Slow Speed Test	2000Z-2100Z, Apr 15
+ Holyland DX Contest	2100Z, Apr 15 to 2100Z, Apr 16
+ ES Open HF Championship	0500Z-0559Z, Apr 16 and 0600Z-0659Z, Apr 16 and 0700Z-0759Z, Apr 16 and 0800Z-0859Z, Apr 16
+ Worked All Provinces of China DX Contest	0600Z, Apr 16 to 0559Z, Apr 17
+ YU DX Contest	0700Z, Apr 16 to 0659Z, Apr 17
+ CQMM DX Contest	0900Z, Apr 16 to 2359Z, Apr 17
+ Michigan QSO Party	1600Z, Apr 16 to 0400Z, Apr 17
+ EA-QRP CW Contest	1700Z-1800Z, Apr 16 (10m) and 1800Z-1900Z, Apr 16 (15m) and 1900Z-2000Z, Apr 16 (20m) and 2000Z-2100Z, Apr 16 (40m) and 2100Z-2300Z, Apr 16 (80m) and 0700Z-0900Z, Apr 17 (40m) and 0900Z-1000Z, Apr 17 (20m) and 1000Z-1100Z, Apr 17 (15m) and 1100Z-1200Z, Apr 17 (10m)
+ Feld Hell Sprint	1800Z-2159Z, Apr 16
+ Ontario QSO Party	1800Z, Apr 16 to 0500Z, Apr 17 and 1200Z-1800Z, Apr 17
+ Dutch PACCdigi Contest	0700Z to 1900Z, Apr 17

+ Quebec QSO Party	1200Z-2000Z, Apr 17
+ Run for the Bacon QRP Contest	2300Z, Apr 17 to 0100Z, Apr 18
+ K1USN Slow Speed Test	0000Z-0100Z, Apr 18
+ DARC Easter Contest	1500Z-1730Z, Apr 18
+ OK1WC Memorial	1630Z-1729Z, Apr 18
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Apr 19
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 19
+ 222 MHz Spring Sprint	1900 local - 2300 local, Apr 19
+ Phone Weekly Test	0230Z-0300Z, Apr 20
+ A1Club AWT	1200Z-1300Z, Apr 20
+ CWops Test	1300Z-1400Z, Apr 20
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Apr 20
+ Mini-Test 40	1700Z-1759Z, Apr 20
+ Mini-Test 80	1800Z-1859Z, Apr 20
+ CWops Test	1900Z-2000Z, Apr 20
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Apr 20
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Apr 21 and 0200Z-0300Z, Apr 22
+ CWops Test	0300Z-0400Z, Apr 21
+ CWops Test	0700Z-0800Z, Apr 21
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 21
+ EACW Meeting	1900Z-2000Z, Apr 21
+ NTC QSO Party	1900Z-2000Z, Apr 21
+ NCCC RTTY Sprint	0145Z-0215Z, Apr 22
+ NCCC Sprint	0230Z-0300Z, Apr 22
+ K1USN Slow Speed Test	2000Z-2100Z, Apr 22
+ 10-10 Int. Spring Contest, Digital	0001Z, Apr 23 to 2359Z, Apr 24
+ QRP to the Field	0800-1800 local, Apr 23
+ SP DX RTTY Contest	1200Z, Apr 23 to 1200Z, Apr 24
+ Helvetia Contest	1300Z, Apr 23 to 1259Z, Apr 24
+ North American SSB Sprint Contest	0000Z-0400Z, Apr 24
+ ANZAC Day Contest	1200Z, Apr 24 to 1159Z, Apr 25
+ UA1DZ Memorial Cup	1300Z-1859Z, Apr 24
+ BARTG Sprint 75	1700Z-2059Z, Apr 24
+ K1USN Slow Speed Test	0000Z-0100Z, Apr 25
+ QCX Challenge	1300Z-1400Z, Apr 25
+ OK1WC Memorial	1630Z-1729Z, Apr 25
+ QCX Challenge	1900Z-2000Z, Apr 25
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Apr 26
+ QCX Challenge	0300Z-0400Z, Apr 26
+ RTTYOPS Weeksprint	1700Z-1900Z, Apr 26
+ SKCC Sprint	0000Z-0200Z, Apr 27
+ Phone Weekly Test	0230Z-0300Z, Apr 27
+ A1Club AWT	1200Z-1300Z, Apr 27
+ CWops Test	1300Z-1400Z, Apr 27
+ Mini-Test 40	1700Z-1759Z, Apr 27
+ Mini-Test 80	1800Z-1859Z, Apr 27
+ CWops Test	1900Z-2000Z, Apr 27

+ RSGB 80m Club Championship, Data	1900Z-2030Z, Apr 28
+ NCCC RTTY Sprint	0145Z-0215Z, Apr 29
+ NCCC Sprint	0230Z-0300Z, Apr 29
+ K1USN Slow Speed Test	2000Z-2100Z, Apr 29
+ Feld Hell Sprint	0000Z-2359Z, Apr 30
+ SBMS 2.3 GHz and Up Contest and Club Challenge	0600 local, Apr 30 to 2359 local, May 1
+ UK/EI DX Contest, CW	1200Z, Apr 30 to 1200Z, May 1
+ Russian WW MultiMode Contest	1200Z, Apr 30 to 1159Z, May 1
+ Florida QSO Party	1600Z, Apr 30 to 0159Z, May 1 and 1200Z-2159Z, May 1

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>

April						
2022 Apr01	2022 Apr09	Aland Is	OH0EG	LoTW	TDDX 20220216	By DK8RE DM5WF DL8UUF SP1EG; 160-10m; CW SSB + digital; 1kw; dipole, ground planes; QSL via SP1EG
2022 Apr01	2022 Apr15	Central African Rep	TL8AA	I2YSB	I2YSB 20210827	By 7 op team; 160-6m; CW SSB RTTY FT8 (TL8ZZ on FT8; 4 stations
2022 Apr02	2022 Apr23	Nepal	9N7MK <small>NEW</small>		TDDX 20220318	By S57MK fm various Nepalese locations; 40 20 17 15m; FT8 SSB CW; 10w; dipole, mag loop, ground plane
2022 Apr07	2022 Apr20	Burkina Faso	XT2MAX	EA5GL	DXW.Net 20220121	By DK1MAX; HF; CW + digital; verticals, dipoles; holiday style operation
2022 Apr13	2022 Apr19	Azores	CQ84AS <small>NEW</small>	LoTW	TDDX 20220322	By CU8AS fm Flores I (IOTA EU-089); HF; mainly CW; 800w; QSL via HB9CRV
2022 Apr13	2022 Apr19	Martinique	FM <small>NEW</small>	DF8AN (B/d)	TDDX 20220318	By DF8AN as FM/DF8AN; HF; mainly CW + digital; 100w; dipoles
2022 Apr13	2022 Apr27	Maldives	8Q7DX	LoTW	DXNews 20220228	By E77DX fm Fihalhohi I (IOTA AS-013); 80-10m, perhaps 160m; QSL via E73Y or Club Log OQRS
2022 Apr14	2022 Apr25	Norfolk I	VK9NT <small>NEW</small>	M0OXO OQRS	TDDX 20220322	By VK3QB VK3HJ VK6CQ fm IOTA OC-005; 160-6m; CW, some SSB FT8

2022 Apr15	2022 Apr28	Austral Is	TX5N	LoTW	TDDX 20220101	By N7QT N6XG DJ9RR K5GS W1SRD N7BX K0BEE fm Raivavae I (OC-114); 160-10m; CW SSB + digital; QSL via M0URX
2022 Apr19	2022 Apr24	Dominca	J79MN <small>NEW</small>	DF8AN (B/d)	TDDX 20220318	By DF8AN; HF; mainly CW + digital; 100w; dipoles; call sign requested
2022 Apr19	2022 Apr26	Svalbard	JW0Z	LoTW	ON5UR 20220213	By ON5UR ON4ANN + others; HF CW SSB RTTY FT8 FT4; 5 stations; QSL via M0URX OQRS
2022 Apr22	2022 Apr29	Aland Is	OH0EG	LoTW	TDDX 20220216	By SP1EG SP1QY SQ3PMX; 80- 15m; FT4 FT8 RTTY; 100w; ground planes; QSL via SP1EG
2022 Apr24	2022 May01	St Lucia	J6 <small>NEW</small>	DF8AN (B/d)	TDDX 20220318	By DF8AN as TBD; HF; mainly CW + digital; 100w; dipoles
2022 Apr28	2022 May26	Botswana	A25VR	VE7VR	DXNews 20220314	By VE7VR; H

Why Would Anyone Want to Burn a Cloud?

As mentioned last month, Mahoning County ARES is working hard to bring a full schedule of activities and training to our volunteers. During the past month we did training on the use of Tactical Callsigns during events and conducted several tests of the Mahoning County Siren system.

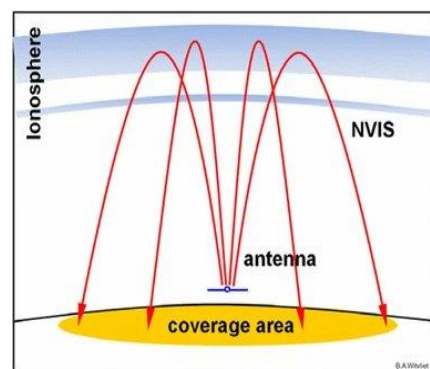
The Siren tests pointed out some weak spots in the Siren Operation and the county was able to make some changes that greatly improved siren reliability. ARES will be doing one more test that should be completed by the time you read this.

Coming up in April is the annual Ohio ARES NVIS Day. Each year Ohio ARES asks the counties to do a field project using NVIS Antennas. During the day we set up Antennas for NVIS operations and contact other counties in the state. What is NVIS I hear you asking? It stands for Near Vertical Incidence Skywave and is a method of forcing the antenna pattern close to straight up. That pattern then is refracted in the Ionosphere and returns to earth in about a 300-mile radius around the antenna. In plain language it is used for close in communications, such as within a state. Because it depends on refraction, NVIS is primarily used on the 80M and 40M HF bands. Be sure to keep an ear to the ARES Nets on the 2nd and 4th Sundays of each month for more information.

NVIS Day will be April 23. Please mark your calendars and we look forward to seeing you that day. (NVIS antennas are often referred to as cloud burners because of their near vertical pattern)

In May we are planning a construction project to build roll up 2M J Pole antennas. More details coming.

Membership in MC ARES is free and all amateur radio operators are welcome to join. If you are interested in public service and emergency communications and would like to join, please visit our web site at www.mahoning-ares.org and fill out and return an application form.



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 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



Monitoring the Airwaves During Ukrainian Conflict

Got some time on your hands? Intelligence has been floating around social media listing potential Russian frequencies being monitored by forces in Ukraine. There have been numerous audio recordings captured from these frequencies that are entirely in the clear (no encryption).

This information was found at: <https://k0lwc.com/monitoring-the-airwaves-during-ukrainian-conflict/>
Due to ever changing conditions, info may not be up-to-date.

- 5125 KHz USB
- 5130 KHz USB
- 4615 KHz USB
- 7580 KHz USB
- 7811 KHz USB
- 8033 KHz USB
- 8131 KHz USB (Russian Air Force)
- 4220 KHz USB
- 4625 KHz USB

We're a bit far away, unless there's a seriously good band opening. SDRs located in Ukraine or Eastern Europe can give you the ability to monitor the airwaves from the middle of potential military action. There are still WebSDRs active within Ukraine, but subject to shut-downs. Try these (press ctrl and click the link):

- [Online WebSDRs via KiwiSDR](#)
- [WebSDR \(filter to European region\)](#)

Western Military District

- [The Buzzer](#) (4625 kHz)
- [D marker](#) (5292 kHz)
- [T marker](#) (4182 kHz)
- [The Air Horn](#) (3510 kHz)
- [The Goose](#) (4310/3243 kHz)
- [The Alarm](#) (4770 kHz)
- [Katok-65](#) (4224/3218.5 kHz)

Southern Military District

- [The Pip](#) (5448/3756 kHz)
- [The Squeaky Wheel](#) (5473/3828 kHz)
- [Vega](#) (5372 kHz)
- [Baron-78](#) (3850/4940 kHz)

THE LAST WORD

“My therapist told me the way to achieve true inner peace is to finish what I start. So far I’ve finished two bags of M&Ms and a chocolate cake. I feel better already.” —Dave Barry

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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

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 we are notified otherwise.

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