



June 2019
Our 100th Year
Volume 57, Issue 6
Field Day Issue

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Website:

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

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

The Voice Coil

Prez Sez

The big show for amateur radio, at the Greene County Fairground a.k.a. the Dayton Hamvention in Xenia, Ohio, is over. A group of local Hams and I took a camper and left Wednesday morning, got there about 3 or so, set everything up, then kicked back and relaxed.

Thursday after a big breakfast took, we took off to get a peek at the layout. Most of the vendors were still getting setup, but their banners and booths were in place, making it easy finding them.

The flea market was filling up as well. A good pair of walking was in order, as there were five roads with vendors inside the race track. There also were four rows outside the track and a few other places. I spent about 4 hours in the flea market, took a break, and then went inside the buildings after the crowd died down. I got what I needed then called it a day. If it was made for amateur radio, it was there.

The next big thing is Field Day on June 22 and 23. I hope you're planning to attend. June 21 we will be setting up antennas and other things in preparation for Saturday. If you are able to help, come on out. You might just find some techniques that will help you with your station. Field day is held at the Mill Creek Metro Farm on state route 46 south of Canfield,



across from the fairgrounds.

There have been some openings on 6 meters and two meters. I have heard stations from call areas 2, 3, 4, 5, and 7 on six meters, so if your equipped to operate on these bands give a listen This was on SSB— FT8 is also hot on both bands, 144.174 and 50.313.

So for now 73,
Jim WB8UJS

Next Meeting:

June 13, 2019, 7 pm
GOP Headquarters
meeting room. 8381
Market St.,
Boardman, OH
(in Adamas Plaza)

Food and snacks
available at the
meeting.

2019 Officers

President: Jim Stiffler, WB8UJS

Vice President: Wes Boyd,
W8IZC

Secretary: Dave Salmen, WB8IBA

Treasurer: Nancy Brett, KD8QNY

Trustees: Dean DeMain, W8YSU

Gene A. Boccia, WQ8H

Jerry Goddard, KC8EFO

Mike McCleary, K8PRR

Newsletter Editor: Mark
Haverstock, K8MSH

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 Nancy, kd8qny@zoominternet.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.

Videophiles, Send us Your Video Files



The MVARA webmiesters would like to invite you to participate in video activities. We think this could be an effective way to promote amateur radio and the club. If you enjoy shooting video, we would love to have some of Field Day, the car show, the Poland parade, etc. You can submit an edited video file to us or we can put together and edit your files. Video files will be too large to email, so contact Dave kd8nzf@zoominternet.net or Rich kb8gae@yahoo.com to make file transfer arrangements.

Becky Albrecht KD8SCF, SK

Our friend and former club Secretary, Becky Albrecht, 66, of Girard, passed away April 26, 2019 at Hospice House in Poland, after a courageous battle with cancer. Becky was known as “A strong woman with a heart for enhancing the lives of others; she worked tirelessly as an advocate for abuse victims.”

Becky received her Technician License in April 2012 and upgraded to General in July 2015. She subsequently facilitated a group of 12 to take the Technician class and welcomed all into Ham Radio. A member of the Mahoning Valley Amateur Radio Club since July 2015, Becky wasn't afraid to get involved. In June 2017, Becky accepted the position of Secretary and was elected for a new term in November 2017 and stayed in office until January 2019. She and her husband Rick chaired the Public Information Tent at Field Day where her passion for Amateur Radio was on display. Becky was also a member of the Centennial Committee. Her quick wit and to-the-point comments will be missed.

In addition to Amateur Radio, Becky also was an avid shooter and belonged to the Fish and Game Club of Vienna.

A memorial service was held 12:00 Noon Saturday, May 11, 2019 in the fellowship hall of the Girard First United Methodist Church, with Pastor Vicki Kelley officiating.

Condolences to her husband Rick, KD8ZUN, and their family.

License Refresher Answers: E4C01 (D) E4C02 (A) G4D01 (A)
G4D02 (B)

Current Activities

June 13 June Club Meeting, 7pm, GOP Headquarters, Market St., Boardman. Swapmeet—you don't have to be a member to participate. Admission/tables free. First come, first served.

June 21 Field Day setup Mill Creek Metro Park Farm, 7574 Columbiana-Canfield Rd, Canfield, OH

June 22-23 Field Day, Mill Creek Metro Park Farm, 7574 Columbiana-Canfield Rd, Canfield, OH

Contact Us:

Email: mvara.W8QLY@gmail.com

Snail-mail: MVARA, P.O. Box 14141, Poland, OH 44514

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

Hamfest Calendar



06/01/2019 & 06/02/2019 (Sat.-Sun.) - BreezeShooters Amateur Radio Club - Location: Big Butler Fairgrounds - 1127 New Castle Road - Prospect, PA 16052 - **Website:** <http://www.breezeshooters.org> - **Contact:** Cathy Heiles, KB3OYS - 134 Easley Road Pittsburgh, PA 15237 - Phone: 412-600-3846 - **Email:** kb3oys@breezeshooters.org

08/03/2019 - Columbus, Ohio Hamfest - Location: Aladdin Shrine Center - 1801 Gateway Circle - Grove City, OH 43123 - **Website:** <http://www.columbushamfest.com> - **Public Contact:** John Lehman, K8PJ - 7415 Hagerty Road Ashville, OH 43103 - Phone: 614-571-5179 - **Email:** k8pj.john@gmail.com

09/22/2019 - Cleveland Hamfest and Computer Show - Location: Cuyahoga County Fairgrounds - 164 Eastland Road - Berea, OH 44017 - **Website:** <http://www.hac.org> - **Sponsor:** Hamfest Association of Cleveland - **Public Contact:** Glenn Williams, AF8C - 4134 Stoney Ridge Road Avon, OH 44011 - Phone: 440-934-5566 - **Email:** af8c@arrrl.net

Know of any regional events that should be included in the Voice Coil? Send the information to: MVARAVoiceCoil@gmail.com

Getting loaded (antenna-wise, anyway)

By Dan Romanchik, KB6NU

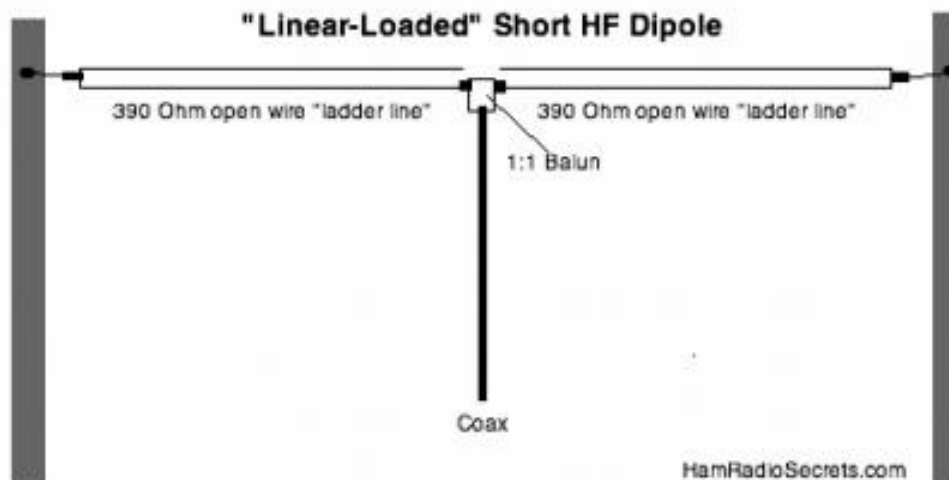
A couple of years ago, I homebrewed a "Cobra" antenna (<https://www.kb6nu.com/yet-another-new-antenna-the-cobra/>). It's a doublet antenna, meaning that it consists of two elements connected to a center insulator, where it connects to a feedline. The unique thing about the Cobra antenna is that each element consists of three parallel conductors connected in series.



My antenna uses a lightweight, three-conductor rotor cable that used to be available from Radio Shack. The feedline is 450 Ω ladder line that connects to an antenna tuner to give me multi-band operation. Connecting the conductors in this way is supposed to provide "linear loading." Somehow, running the conductors in parallel is supposed to increase the antenna's effective length. My antenna is only 73-ft. long, but it easily tunes up on 80m.

The *ARRL Antenna Book* has a short section on linear loading. It says that linear loading is a "little understood" alternative to inductive loading that can be applied to almost any type of antenna. Furthermore, "...it introduces very little loss, does not degrade directivity patterns, and has low enough Q to allow reasonably good bandwidths."

As I mentioned, I've been using this antenna with good results for a little more than two years now. When I first put it up, someone mentioned the concept of linear loading to me, but not being an antenna guru, I didn't give it much thought. About a week ago, though, I ran across a link to the page Short Ham Antennas for HF (<https://www.hamradiosecrets.com/short-ham-antennas.html>). That got me thinking about the topic again.



This page describes a way to build a linearly-loaded dipole antenna with a feedpoint impedance of approximately 35 Ω . This allows you to feed it with coax instead of the ladder line that I use. The author uses 390 Ω ladder line for the elements. He says it's commonly available, but I don't think I've ever seen 390 Ω ladder line. You could probably use 450 Ω ladder line by adjusting the element lengths a little. At that point, I started Googling. The next linear-loaded antenna design that I ran across is a design from

MOPZT (<http://www.m0pzt.com/40m-linear-loaded-dipole/>). He built his elements from some sturdy wire and homebrewed spacers made from PVC pipe. He's used this design for the 40m elements of a fan dipole covering the 40m, 20m, 15m, and 12m bands. Only the 40m elements are linear-loaded.

I also found a design for a linear loaded vertical antenna for 40m and 80m (<https://www.qsl.net/pa3hbb/ll.htm>). This antenna is only 7.736m, or 25.4 ft. tall. Of course, it requires a good radial system to work well, but it will work a lot better for DX than a low doublet or dipole.

Finally, there's an eHam discussion on linear loading (<https://www.eham.net/ehamforum/smf/index.php?topic=84418.0>). Unlike a lot of eHam discussions, this one is quite civil. It's worth reading if you're interested in the topic.

So, if you're thinking of getting loaded, errrrr, I mean loading your antennas, here's a method for you to consider. It works!

Field Day Operators

Every year Field Day preparations include a lot of discussions about antennas, antenna placement, radios, coax, antenna supports, generators and much more. What's interesting is we don't spend much time on the most important ingredient for Field Day – operators !!



The antennas, radios, etc. are important but let's face it, they don't operate themselves (at least not yet). The good news is that our MVARA has many of the best operators in the area as members so we don't have a shortage of operators. What we need is a bit more understanding of when our members are planning to operate or even visit our Field Day operation.

Many of our members help set up the Field Day effort and they also spend the entire weekend working and operating. Due to work and family commitments some of our members can only spend limited time just operating. Whatever your personal situation is we'd just like to have an idea of when you might be at Field Day and when you would be interested in getting on the air. This helps us plan for food, operators, etc.

Please take a minute right now and think about you, our most important resource and when you're thinking of joining in on the fun. What hours, what day(s) and possibly what you might be interested in doing. Will you be helping with setup? Do you want to get on the air? Any specific band, mode, time? The more information we have ahead of time the better our Field Day effort will be. Email Frank, WB8YHD now with your thoughts or plans and help us get those well planned antennas and radios on the air.

MOMENTS IN MVARA HISTORY



U.S. weather service honors radio operators

The Vindicator

The National Weather Service presented Special Service Awards Monday at Youngstown Municipal Airport to area amateur radio groups that provide information to the service during severe weather. Among those present were, from left, Tim Jellison, Mercer County Skywarn; Bill Clepper, coordinator of the National Skywarn

Program; Jack Davis, Trumbull County Skywarn; John Reynolds, manager of the National Weather Service at the airport; Chuck Windsor, Mahoning County Skywarn; Jim Miller, Lawrence County Skywarn; and Jay Carter, Columbiana County director of emergency management services.

Photo: ARRL 1/9/59

1/10/59

Hamvention 2019





New Stuff

Hamvention is the time when manufacturers introduce their latest products. This year did not disappoint, with several new items on display. However, as the trend has been recently, you may have to wait awhile before delivery.

K4



The long-awaited Elecraft K4 combines the latest in direct-sampling technology with classic controls and an upgradeable, modular architecture. Anticipated delivery Nov. 2019 for first run (deposit required.)

RF-KIT Power Amplifiers RF2K-S/K



Germany's RF Kit has been selling amp kits for awhile, but DX Engineering recently became their North American Dealer. The amp kit features full legal power, built in power supply, autotuner and 7-inch touch display. Kits will be ready for shipment from DXE in the fall, and pre-assembled amps will be available once the unit receives FCC certification.

W8QLY Special Events Station May 2019



100 years



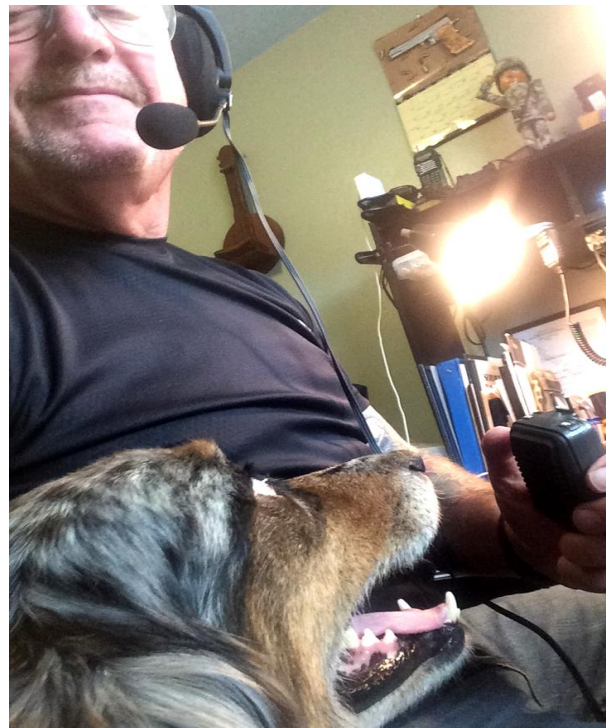
You mean you're **all** named Elmer?



Are we there yet?



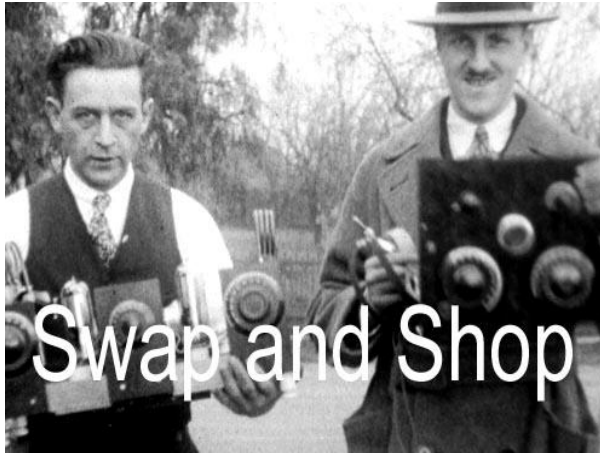
Pick a fight with a Scotsman and you could be kilt!



W8IWD & Robby



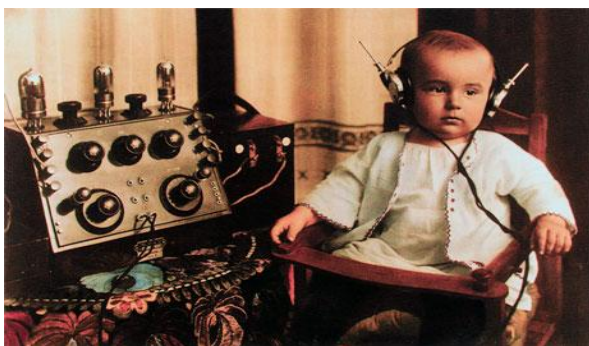
KB8GAE



40-6m OCF

New version. This off-center fed antenna is convenient, small and easy to set up for portable use. 125w PEP power rated, 66' total length. Operates on 40, 20, 10, 6 meters *without* tuner. An antenna tuner is needed for 30, 17, 12 meters for best match. This is the same antenna used successfully at FD last year for 40m. 2 available @ \$36. Contact Mark, K8MSH, mh@zoominternet.net

Swap and Shop information/policies are listed on the last page of the newsletter.



Station Loaner Program

If you're a new ham/newly upgraded and want to get on the HF bands, MVARA has a loaner program for club members. The club has two complete stations with radio, power supply, microphone, CW key, and antenna tuner. All you need to do is supply your own coax, antenna, and keep the equipment in good condition while you have it.

Loan period is up to 6 months. However, you will be responsible for returning the station temporarily for use during Field Day weekend in June.

With the new ARRL proposal, it looks like even Tech class amateurs may soon have more phone privileges on some of the HF bands. Contact MVARA at our email address: mvara.W8QLY@gmail.com

Tower Roustabouts Needed

Our MVARA Field Day is in need of a few good members that will commit to tower erection. This will be more than the usual putting up of antennas on the Friday preceding our June 22-23 Field Day this year.

This year we'd like to have 6-7 members commit ahead of time to focus on putting up the two 50 foot towers that support many of our antennas. Dave, KE8KT, is gracious each year to contribute his two towers to our sophisticated effort and they do make quite a contribution to getting our signals heard.

If you can dedicate 3 hours to assisting in getting these beauties up (and down on Sunday) please email Frank, WB8YHD, now to let us know you are willing to be part of Dave's dedicated tower crew. We need to know well ahead of time so we can plan this process. Please email now if you're interested.

For other members that plan to assist with other antenna installation, your talents and efforts are still needed for that. We've always had 12-15 members on Friday and many members on Saturday morning that get the job done. That group needs you. Please let Frank, WB8YHD, know if you plan to help with the other antenna installs (not the 50 foot towers) ahead of time too so we can plan accordingly. It's going to be another great MVARA Field Day!

Events

Mahoning County ARES

The schedule for Mahoning ARES in 2019 is heating up and we will be looking for lots of help.

June 9, Triathlon, West Branch State Park. This just popped up last week. Actually it will be a 5athlon as they are doing five simultaneous events. The Portage County group is unable to support this and Scott, N8SY, Ohio Section Manager, asked for our help. We are still gathering details, but will need many operators since all events run at the same time. We expect it will be about a three hour event.

July 13, Triathlon, Lake Milton State Park. Yep, another Triathlon, but this will live up to the Tri name, with three events running sequentially. We expect this to also be a three to four hour event and will probably wrap up around noon. We will need operators at the Event Center at Harry Meshel park and along the routes. We will be operating Simplex and have a need for operators either with mobile or HT radios (or both).

SWAPFEST

The program for our June meeting is a MVARA Swapfest. Tables are free so there is no excuse not to unload some of that unused gear or accessories. Or if you have something you want to show & tell, bring it on in. Please bring a piece of cardboard to cover your table and prevent scratches.



Streetscape Planting Day

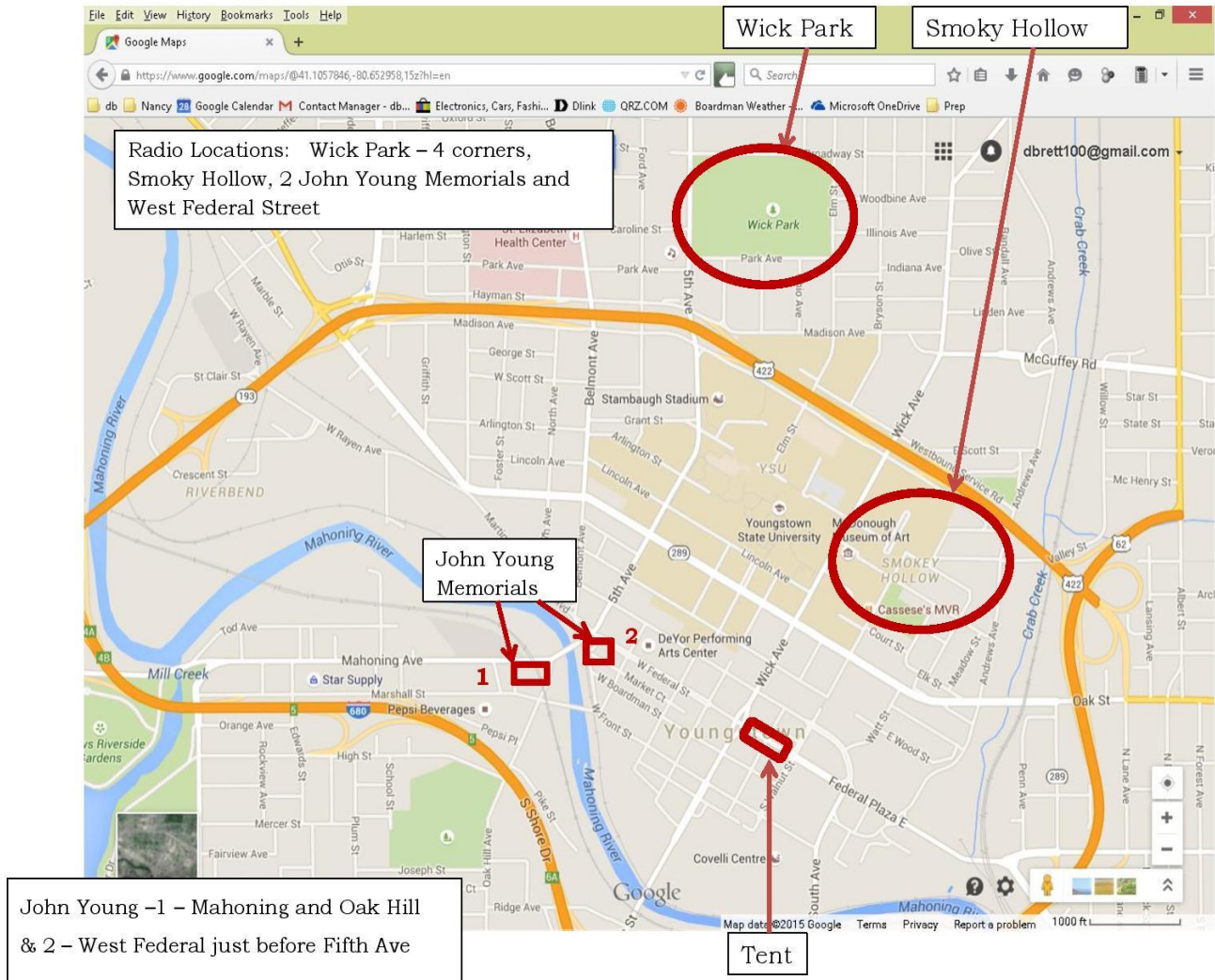
Each year Youngstown CityScape holds a Streetscape Planting Day activity to plant flowers throughout the Downtown area - this is the 22nd year. Last year there were more than 800 volunteers. We plant on Federal Street, the two John Young Memorials, the 4 corners of Wick Park, Harrison Commons across from MVR, and Smoky Hollow. Sharon Letson, CityScape Director would like our help again this year.

The job is basically a SAG function, similar to what we do at Special Olympics. We need to help find people, notify the Director when there are supplies needed, and generally keep things moving forward. The plan is to have operators at Wick Park, Smoky Hollow, the two John Young Memorials and Federal Street with net control at the tent.

We will meet at 9:00 am for assignments – donuts and coffee available. The net will run from 9:30 – 11:00 or so. You may leave when the planting is done or stay for lunch. If you can help - please contact Frank WB8YHD, Cell - 330-360-1551 or email youngshotdog@yahoo.com

Thank you in advance for helping Youngstown CityScape! Nancy Brett KD8QNY

Planting Day Event Map



Get your



out to 2019 Field Day.

-June 21, setup

-June 22-23 on the air

Amateur License Refresher Dave, KD8NZF



It's probably been awhile 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 the local oscillator section of a receiver?

- A. It limits the receiver's ability to receive strong signals
- B. It reduces receiver sensitivity
- C. It decreases receiver third-order intermodulation distortion dynamic range
- D. It can cause strong signals on nearby frequencies to interfere with reception of weak signals

~~

E4C02

Which of the following portions of a receiver can be effective in eliminating image signal interference?

- 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

G4D01

What is the purpose of a speech processor as used in a modern transceiver?

- A. Increase the intelligibility of transmitted phone signals during poor conditions
- B. Increase transmitter bass response for more natural sounding SSB signals
- C. Prevent distortion of voice signals
- D. Decrease high-frequency voice output to prevent out of band operation

~~

G4D02

Which of the following describes how a speech processor affects a transmitted single sideband phone signal?

- A. It increases peak power
- B. It increases average power
- C. It reduces harmonic distortion
- D. It reduces intermodulation distortion

(Answers pg. 2)

DMR CORNER:

New updates and changes!

I want to let everyone involved in DMR know about some of the recent things going on with the system. Although not quite sure of the reason, the system seems to have a TIN ear. It just was not performing like it should have at 300 plus feet in the air. So after Xenia, the following happened.



The repeater was temporarily replaced with a loaner Motorola unit to compare operation. The coverage was still not quite right. So another antenna and cable line was switched over that is about 600 feet in the air. The system now appears to perform well. I believe a digital noise floor at this location is the root of our problem.

We are going to let this operate here for a month or so to gather some use. The biggest changes are:

- THE COLOR CODE IS NOW 1 (ONE).
- THERE IS NO ANALOG FEATURE.
- WE ARE INTERCONNECTED. A C-bridge is being used to the internet. Time slots are balanced, (see below.)

Time slot 1

Worldwide 1 (1) 5 minute PTT timer	Bridge 1 (3100) 5 minute PTT timer
Worldwide English 1 (13) 5 minute PTT timer	UA English 1 (113) 5 minute PTT timer
North America 1 (3) 15 minute PTT timer	Midwest Reg 1 (3169) always on
Local 9 (always on)	N. East Reg 1 (3172) 15 minute PTT timer
Comm 1 (3777215) 15 minute PTT timer	Mid Atl Reg 1 (3173) “
Ohio Tac 1 (31390) 15 minute PTT time	S. East Reg 1 (3174) “
PA Tac 1 (31421) 15 minute PTT timer	Southern Reg 1 (3175) “
Mountain Reg 1 (3177) “	

Time slot 2

N E Ohio local 2 (2)	TAC 318 (318) 15 min PTT
W Pa local 2 (31422) 15 min PTT	TAC 319 (319) “
S Cent Pa local 2 (31423) 15 min PTT	PARROT (9998) 1 Min PTT
S E Pa 2 local (314259) 5 min PTT	U A English 2 (123) 5 min PTT
N E Pa Local 2 (31424) 15 min PTT	JOTA 2 (907) 15 min PTT
N Pa local 2 (3190) 15 min PTT	PA 2 (3142) 15 Min PTT
Comm 2 (3777216) 15 min PTT	Youngstown 2 (313979) 15 min PTT
TAC1 (8951) 15 min PTT timer	Fusion Link Nexus 2 (31488) 15 Min PTT
TAC 310 (310) “	Crossroads 2 (8710) “
TAC 311 (311) “	Allstar 2 (3167) “
TAC 312 (312) “	TAC 317 (317)
TAC 313 (313) “	Local 9
TAC 314 (314) “	
TAC 315 (315) “	
TAC 316 (316) “	

This is a partial list of what is enabled in the bridge. There are many state networks enabled as well as other local systems.

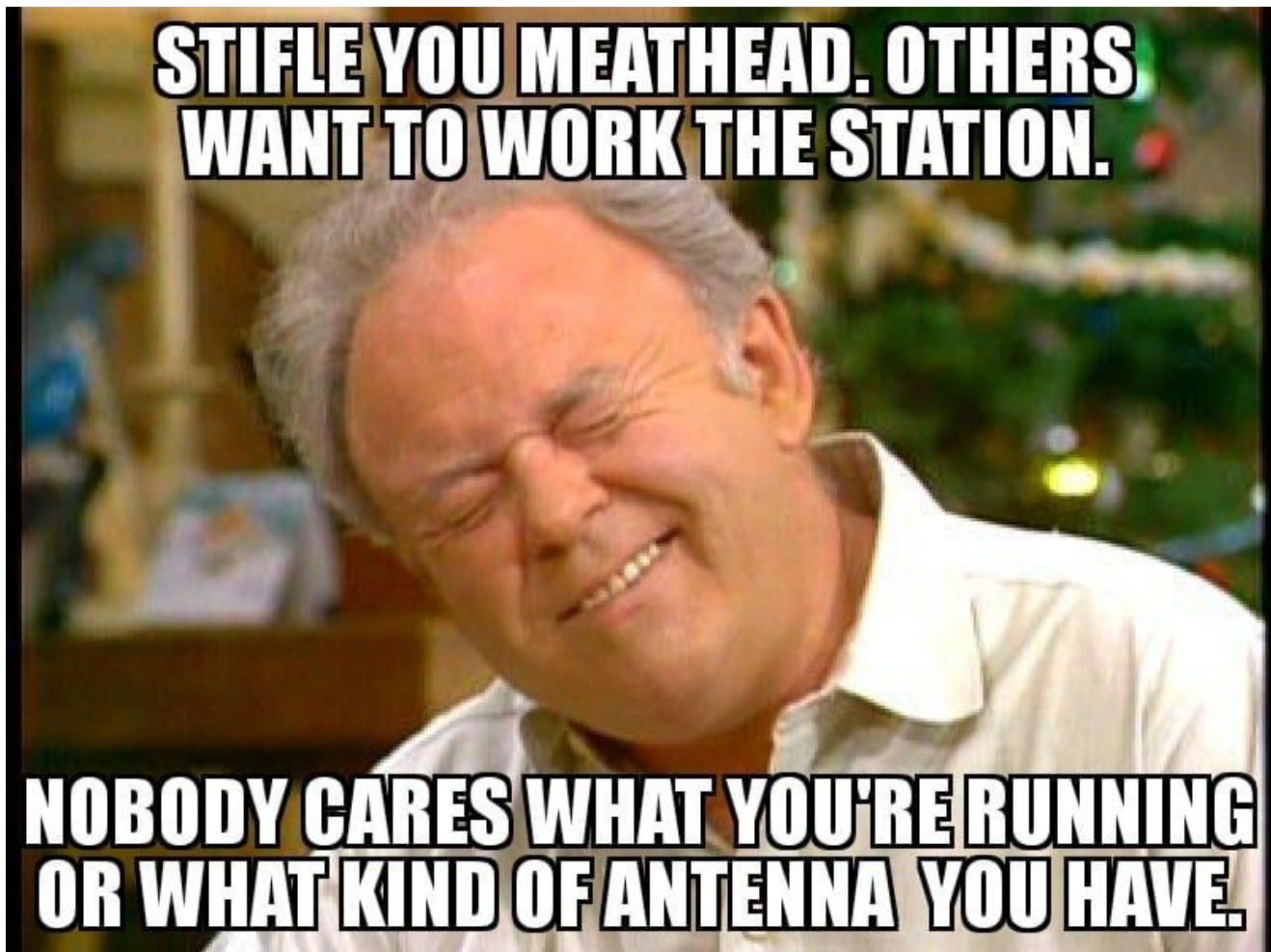
Please call or contact me with any questions. If you need or desire a system that is not configured into our network, get in touch with me and we can get it added into the bridge.

I would like to plan another DMR jam session in the future. I have invited a friend John KA3LAO who is a larger DMR operator. He helped us achieve this goal to get connected. John has vast experience in the operational aspects of DMR and the internet. Although not fully informed of all the Chinese import radio programming characteristics, he can guide us in the information we need to talk groups, time slots, and other networks out there.

I can be reached at 330-442-7498 or yradio@hotmail.com

Andy (WB8HYO)

Ham Humor



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>.

June 2019

+ PVRC Reunion	0000Z-0200Z, Jun 1 and 0000Z-0200Z, Jun 2
+ 10-10 Int. Open Season PSK Contest	0000Z, Jun 1 to 2400Z, Jun 2
+ DigiFest	0400Z-1200Z, Jun 1 and 2000Z, Jun 1 to 0400Z, Jun 2 and 1200Z-2000Z, Jun 2
+ Wake-Up! QRP Sprint	0600Z-0629Z, Jun 1 and 0630Z-0659Z, Jun 1 and 0700Z-0729Z, Jun 1 and 0730Z-0800Z, Jun 1
+ SEANET Contest	1200Z, Jun 1 to 1200Z, Jun 2
+ UKSMG Summer Contest	1300Z, Jun 1 to 1300Z, Jun 2
+ Kentucky QSO Party	1400Z, June 1 to 0200Z, Jun 2
+ RSGB National Field Day	1500Z, Jun 1 to 1500Z, Jun 2
+ Dutch Kingdom Contest	1500Z, Jun 1 to 1500Z, Jun 2
+ IARU Region 1 Field Day, CW	1500Z, Jun 1 to 1459Z, Jun 2
+ ARS Spartan Sprint	0100Z-0300Z, Jun 4
+ Phone Fray	0230Z-0300Z, Jun 5
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 5 and 1900Z-2000Z, Jun 5 and 0300Z-0400Z, Jun 6
+ NRAU 10m Activity Contest	1700Z-1800Z, Jun 6 (CW) and 1800Z-1900Z, Jun 6 (SSB) and 1900Z-2000Z, Jun 6 (FM) and 2000Z-2100Z, Jun 6 (Dig)
+ SKCC Sprint Europe	1900Z-2100Z, Jun 6
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 7
+ NCCC Sprint	0230Z-0300Z, Jun 7
+ HA3NS Sprint Memorial Contest	1900Z-1929Z, Jun 7 (40m) and 1930Z-1959Z, Jun 7 (80m)
+ DRCG WW RTTY Contest	0000Z-0759Z, Jun 8 and 1600Z-2359Z, Jun 8 and 0800Z-1559Z, Jun 9
+ VK Shires Contest	0600Z, Jun 8 to 0600Z, Jun 9
+ Asia-Pacific Sprint, SSB	1100Z-1300Z, Jun 8
+ Portugal Day Contest	1200Z, Jun 8 to 1200Z, Jun 9
+ SKCC Weekend Sprintathon	1200Z, Jun 8 to 2400Z, Jun 9
+ GACW WWSA CW DX Contest	1500Z, Jun 8 to 1500Z, Jun 9
+ REF DDFM 6m Contest	1600Z, Jun 8 to 1600Z, Jun 9
+ ARRL June VHF Contest	1800Z, Jun 8 to 0259Z, Jun 10
+ Cookie Crumble QRP Contest	1700Z-2200Z, Jun 9
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Jun 10
+ RSGB 80m Club Championship, Data	1900Z-2030Z, Jun 10

+ NAQCC CW Sprint	0030Z-0230Z, Jun 12
+ Phone Fray	0230Z-0300Z, Jun 12
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 12 and 1900Z-2000Z, Jun 12 and 0300Z-0400Z, Jun 13
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 14
+ NCCC Sprint	0230Z-0300Z, Jun 14
+ All Asian DX Contest, CW	0000Z, Jun 15 to 2400Z, Jun 16
+ SMIRK Contest	0000Z, Jun 15 to 2400Z, Jun 16
+ ARR BPSK63 Contest	1200Z, Jun 15 to 1200Z, Jun 16
+ Ukrainian DX Classic RTTY Contest	1200Z, Jun 15 to 1159Z, Jun 16
+ IARU Region 1 50 MHz Contest	1400Z, Jun 15 to 1400Z, Jun 16
+ AGCW VHF/UHF Contest	1400Z-1700Z, Jun 15 (144) and 1700Z-1800Z, Jun 15 (432)
+ Stew Perry Topband Challenge	1500Z, Jun 15 to 1500Z, Jun 16
+ West Virginia QSO Party	1600Z, Jun 15 to 0400Z, Jun 16
+ ARRL Kids Day	1800Z-2359Z, Jun 15
+ Feld Hell Sprint	1800Z-1959Z, Jun 15
+ WAB 50 MHz Phone	0800Z-1400Z, Jun 16
+ Run for the Bacon QRP Contest	0100Z-0300Z, Jun 17
+ Phone Fray	0230Z-0300Z, Jun 19
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 19 and 1900Z-2000Z, Jun 19 and 0300Z-0400Z, Jun 20
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Jun 19
+ NAQCC CW Sprint	0030Z-0230Z, Jun 20
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 21
+ NCCC Sprint	0230Z-0300Z, Jun 21
+ His Maj. King of Spain Contest, SSB	1200Z, Jun 22 to 1200Z, Jun 23
+ Ukrainian DX DIGI Contest	1200Z, Jun 22 to 1200Z, Jun 23
+ ARRL Field Day	1800Z, Jun 22 to 2100Z, Jun 23
+ QCX Challenge	1300Z-1400Z, Jun 24 and 1900Z-2000Z, Jun 24 and 0300Z-0400Z, Jun 25
+ SKCC Sprint	0000Z-0200Z, Jun 26
+ Phone Fray	0230Z-0300Z, Jun 26
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 26 and 1900Z-2000Z, Jun 26 and 0300Z-0400Z, Jun 27
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Jun 27
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 28
+ NCCC Sprint	0230Z-0300Z, Jun 28
+ Battle of Carabobo International Contest	0000Z-2400Z, Jun 29
+ Feld Hell Sprint	0000Z-2359Z, Jun 29
+ UFT QRP Contest	0600Z-0900Z, Jun 29 and 1400Z-1700Z, Jun 29

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>

June						
2019 Jun01	2019 Jun15	Crete	SV9 NEW	LoTW	TDDX 20190523	By UR3WA as SV9/UR3WA fm Hersonissos; 40m; CW; QRP; fishing pole antenna
2019 Jun01	2019 Jun10	Samoa	5W0H	EB7DX	425DXN 20190406	By CX2AM CX3DDB CX3AN CX4CR CX8FB fm Upolu I (IOTA OC-097); 80-6m; mainly CW SSB; 2 stations
2019 Jun01	2019 Jun15	Vietnam	XV9DXB	EB7DX	HB9DXB 20190422	By HB9DXB fm Nha Trang (OK42og); focus on 20m; CW SSB; end date not specified
2019 Jun06	2019 Jun18	Sao Tome & Principe	S9A	EB7DX	DXW.Net 20190411	By EA1ACP EA1DVY EA5BJ EA5EL EA7FTR S92HP EB7DX fm IOTA AF-023; HF; CW SSB FT8
2019 Jun07	2019 Jul02	Ghana	9G5GS	LoTW	IZ4YGS 20190508	By IZ4YGS; 160-6m; mainly FT8 (fox/hound) and SSB; QSL also OK via IZ4YGS direct
2019 Jun09	2019 Jun16	Curacao	PJ2 NEW	LoTW	VA3ZC 20190521	By VA3ZC as PJ2/VA3ZC; 40 30 20m; FT8, QRS CW; holiday style operation; QSL also OK via VA3ZC (Buro or direct)
2019 Jun12	2019 Jun16	Svalbard	JW	Club Log	DXW.Net 20190501	By EA3NT as JW/EA3NT and OJ0Y as JW/OJ0Y fm IOTA EU-026; HF; CW SSB + digital; see qrz.com for full QSL details
2019 Jun13	2019 Jun15	Sint Maarten	PJ8SK	LoTW	TDDX 20190416	By JI1DFO; 40-17m; FT8; 300w; QSL also OK via JI1DFO or Club Log
2019 Jun14	2019 Jun25	Guadeloupe	TO1T NEW	F6HMQ	DXNews 20190521	By F6HMQ; HF
2019 Jun15	2019 Jun18	St Martin	FS	LoTW	TDDX 20190416	By JI1DFO as FS/AG5CR; 40-17m; FT8; 300w; QSL also OK via JI1DFO or Club Log
2019 Jun17	2019 Jun24	Micronesia	V6K	LoTW	DXW.Net 20190425	By JA1XGI fm Kosrae I (OC-059); 40-10m; CW RTTY FT8; QSL also OK via JA1XGI (Buro or direct) and Club Log
2019 Jun23	2019 Jun25	Cayman Is	ZF2CJ	LoTW	AB2RF 20190119	By JJ2RCJ; @ZF1A; 80-10m; focus on FT8; QSL also OK via Club Log and JJ2RCJ direct (no IRCs)
2019 Jun25	2019 Jul02	Saba & St Eustatius	PJ5	W9DR Direct	W9DR 20181228	By W9DR as PJ5/W9DR fm Sint Eustatius I (IOTA NA-145, FK87ml); 6m; SSB CW FT8
2019 Jun26	2019 Jun28	Jamaica	6Y3Y	LoTW	AB2RF 20190119	By JJ2RCJ; @6Y5WJ; 80-10m; focus on FT8; QSL also OK via Club Log and JJ2RCJ direct (no IRCs)

Mahoning Valley Amateur Radio Association



**Please join us for our
100th Anniversary Dinner celebration**

Saturday, October 5, 2019

**A La Cart Catering
429 Lisbon St.
Canfield, OH 44406**

\$22.00 per person

Meet & Greet	5:00 pm to 6:00 pm
Dinner	6:00 pm to 7:00 pm
Program	7:00 pm

RSVP: by July 31, 2019

**Please make checks payable to MVARA
Mail to P.O. Box 14141, Poland, Ohio 44514**

THE LAST WORD

"Alone we can do so little; together we can do so much." – Helen Keller



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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.

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