

May 2022
2022 Edition 5



Mount Vernon Amateur Radio Club

Club Meeting

MVARC meeting is held on the 2nd Monday of each month at 7:00 pm. The next club meeting is May 9, 2022.

Meeting Location:

Academy Building
790 Fairgrounds Road

Visit us on Facebook:

[Mount Vernon Amateur Radio Club](#)

Visit our Webpage:

<https://MVARC.net>

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MVARC Repeaters

K8EEN VHF Repeater
146.790 MHz
- 600KHz / PL = 71.9 Hz
K8EEN-R Echolink Node:
809800
K8EEN UHF Repeater
444.600 MHz
+5 MHz / PL = 71.9 Hz

Contact Us

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MVARC

President
Frank Counts, KC8EVS

Vice President
Barry Butz, N8PPF

Secretary
Bill Stroud, KD8WHQ

Treasurer
Terry Windsor, KI8N

Club Call Trustee
Don Russell, W8PEN

Equipment Trustee
Barry Butz, N8PPF

Directors
Michael Jacobs, KE8HGE
Arlin Bradford, KD8EVR
Roger Gorrell, KE8ICI
Steve Harvey, N8RLW
Scott Yonally, N8SY

Newsletter Editors
Frank Counts, KC8EVS
Terry Windsor, KI8N

President's View

Frank Counts
KC8EVS



As I write this, we just finished two public events: NVIS Day, and Black Fork Gravel Grinder. What a contrast to past NVIS Days. We had sunshine and warm weather, Emery (W8TW) just had a jacket on, no parka. We operated from two locations

this time and I think we did well at both, we made 22 contacts total from our location. Emery (W8TW), Terry (KI8N) and Bill (KD8WHQ) and I operated from Thayer Ridge Park. Don (W8PEN), Roger (KE8ICI), Steve (N8RLW), Michael (KE8HGE), Tom (KC8HSA), and Ralph (KC8REB) operated from Wolf Run Park. All in all, it went well, and I think everyone enjoyed the time out and on the air.

Fast forward a week and we are at the Mohican Wilderness Campground for the Black Fork Gravel Grinder, 520 riders this year. The morning started off with a few sprinkles but that soon gave way to beautiful weather. We operated 3 stations one at the Start/Finish line and 2 aid stations. Barry (N8PPF), Emery (W8TW), Terry (KI8N) and I were at the Start/Finish line. At the time that I am writing this I'm not sure who all was at the aid stations. The event went well, and we were able to provide the organizers with important message handling, items needed at the aid stations, injured riders, etc. This is a difficult area to provide communications because of the terrain and I think that Tom (KD8HSA) figured out our bug last Saturday.

There were plenty of pictures taken at both events some will be in the newsletter, I hope. All should get posted on the web page so be sure to check them out. Also, I want to thank all who participated in the last two events, your help was much appreciated. The next event for the club is Field Day the last full weekend of June, so I hope to see you all there.

“... you can very easily start talking digitally via the clubs' repeaters to other hams who also have digital radios.” Steven (N8LRW)

I will be headed to Hamvention May 20-22, looking forward to this. It has been a couple of years since they were able to hold the Hamvention because of COVID restrictions. It should be a good one. I'll be camped at Caesar Creek State Park and will be on the air. Well, as usual I am late getting this over to Terry so I'm stopping here. Look forward to seeing everyone Monday May 9th at 7p for the meeting.

March Meeting Minutes

Barry Butz N8PPF



Meeting was opened at 7PM by President Frank Counts (KC8EVS).

Secretary Bill Stroud

(KD8WHQ) had a mild stroke. He is recovering and doing well.

Reports / Minutes

The minutes of the previous meeting as presented in the MVARC Newsletter were approved.

Treasurer

The Treasurer's Report was presented. The money set aside for the Icom IC-7300 has not been used as the 7300 is still not available. There were no questions and the report was accepted.

Repeater Report (Don Russell W8PEN)

The 2 meter and 440 MHz repeaters are operating normally. The 440 repeater has been reinstalled at the hospital and is equipped with Wires X Fusion ability.

Don W8PEN and Steve N8RLW picked up the 2 meter repeater antenna from the Mansfield

club. The plan is to install when the weather is better.

Mesh system is operating normally. Nodes in Centerburg and Fredericktown are planned to be installed this Spring to expand the system.

Old Business

NVIS day will be April 23. Two stations will be set up – Wolf Run and Thayer Ridge parks.

Steve Harvey N8RLW reported that an operating test was made on April 9. Communications were planned for the Gravel Grinder bike race on April 30. All the station locations were activated and worked well.

Michael Jacobs KE8HGE has prepared a Technician class. No candidates joined. Michael is working on a future class. We have a testing session scheduled for April 16 at 10a. So far, no candidates have inquired about testing on that date.

A general discussion about Field Day. It is planned to use club owned radios and antennas. The feeling was that a cookout was preferred over a store-bought entree. A volunteer is needed to arrange the cooking. Potluck side dishes can also be brought.

New Business

Frank is coordinating with the city of Mount Vernon to renew our lease for use of city property for repeater and mesh equipment.

Terry Windsor (K18N), emergency coordinator, has reported that he will begin scheduled ARES meetings, beginning in May. He sent out an email to all club members detailing some of his ideas for the future. If you did not get a copy, contact him.

Friday breakfast club will work at the Academy Building equipment room projects after coffee on April 15. This is to prepare the future radio operating room.

Meeting was closed at 7:46PM.

An after-meeting introductory program was given by Steve Harvey, N8LRW about the new WiresX ability in the 440 repeater. He described the equipment involved and demonstrated its worldwide communication ability.

Fusion and Wires-X Tech Tip Corner

Steven Harvey

N8LRW

Greetings to everyone, if you were not able to attend the training session at the April 11th meeting here are a few items we covered so you can get started in using your Yaesu radio in Fusion (C4FM) mode.

If you have one of the following radio's, listed below in the digital radio list, you can very easily start talking digitally via the clubs' repeaters to other hams who also have digital radios.

Model	Type	Fusion (C4FM) Compatible	Wires-X Compatible
FTM-200DR	Mobile	Yes	Yes
FTM-300DR	Mobile	Yes	Yes
FTM-400XDR	Mobile	Yes	Yes
FT-3DR	Handheld	Yes	Yes
FT-5DR	Handheld	Yes	Yes
FT-70DR	Handheld	Yes	NO (Can't start a Wires-X session via radio)
FT-991A	Base Station	Yes	Yes

Both repeaters (2 meter and 440 MHz) are setup to be used in Analog and Fusion (C4FM) modes but only one mode can be used at a time. If you hear via an analog only radio like packet radio going back and forth that is good indication someone talking on the repeater via Fusion C4FM mode. Only Fusion C4FM radios will decipher the digital information being sent between the repeater and the radio or via radio-to-radio communications when in this mode. Your older Analog radio will not be able to decipher what is being said. This does not exclude you from the conversation on purpose, but your older radio does not have the new digital chips to translate what is being passed over the air and thus you hear packet sounds coming from your speaker.



So, you have checked the and realize you have a one of these compatible radios or maybe not. How can I start to talk in Fusion C4FM mode? If you have a digital radio then, first and foremost is to find your owner's manual before starting the journey. I have owned most of these radios on the list and I can tell you from experience they all have a different set of key combinations to get the radio into digital mode. Please take a few minutes to refresh your memory on how to make this happen. Below are basic and general steps to get you going if you know your radio well.

Steps to talk digitally



1. Select either 146.790 or 444.600.
2. Via your user manual set the Digital ID for receive and transmit to "00"
3. In the digital world you can set different numbers so different groups of people can be talk to on the same frequency. Our club machines are set to "00" for transmit and receive.
4. Set your Yaesu radio via the user manual to digital mode. This will have a DN or a DN with a bar over the top in the display indicating you are now ready to transmit via Fusion C4FM mode.
5. Key down the radio and give your call sign just like you would in Analog mode. Now if everything goes well you will only here a short beep from your radio after you unkey. In digital mode the transmissions are as long or short as you are keying down. In Fusion C4FM mode there is no curiosity tone, CW ID's or any other items you are used to when running in analog mode. However, it will as part of your radio setup send your call sign digitally as part of the information along with your voice. This does not mean you are excused from giving your ID every 10 minutes so please keep that in mind when using Fusion C4FM.

This might seem like a lot to digest but it gives you another way to communicate with your local hams and when you are traveling. There are many repeaters that have gone to Fusion C4FM only and a good example is the Eastern Michigan linked system which runs almost all US23 and I75 from the Michigan border to the Mackinac bridge. When I travel, I use their system when I go to the Upper Peninsula of Michigan and it's a good one to monitor when you're traveling.

So, if you key up a machine in analog that is listed on a repeater directory, and it doesn't respond to you after you unkey. There is good chance that it might be in digital mode only and could be running Fusion C4FM.

I enjoy these new features and modes since I have upgraded my radios and have been able to contact hams that I would normally would not hear on an analog repeater. Give it a try and see what its like to transmit digitally.

Bonus Video

If you want to learn more about what a Digital ID is and why its used. Please see this link to the Yaesu Official YouTube page. There are many good videos and tutorials on how to setup your radio on their YouTube page.

[Episode 11 - DG-ID and DP-ID](#)

ARES

Terry Windsor KI8N



Since becoming the new EC for Knox County on April 11, I am working on learning requirements and meeting personnel that manage and are active in the Ohio Section ARES organization. It really is a lot to take in.

We are located in Ohio District 7 and our District Emergency Coordinator is Bret Stemen (KD8SCL).

I just signed our updated Memorandum of Understanding (MOU) with Knox County EMA. I will have a copy of this document posted in the MVARC.net Member's Only area. Please review it to understand what our role is when working with EMA in Knox County.

The next item I want to work on is determining who is interested in being an ARES member and can participate in round table discussions, table top scenarios, and checking our ability to communicate from Knox County shelter locations.

I would like to get together and am looking for what works best with the group; meet on a Saturday morning or prior to the scheduled club meeting? If possible, I would like to start with a introductory get together on Saturday May 21,2022 at 10:00 AM. I will follow up with an email to the membership to schedule and determine availability.

Some of the items we need to first review are what is our purpose, how do we get notified,

where do we report, and how do we get deployed?

I sent an email last month listing four items that Ohio ARES is concerned about and working with appropriate state agencies to address;

1. Amateurs participating in local and traffic nets.
2. Awareness of the power grid and vulnerabilities.
3. Nuclear attack communication planning and individual readiness.
4. Upcoming 2024 Solar Eclipse planning.

I emailed everyone a copy of our ARES Operations Manual and asked you to review and suggest updates and changes. We have not finished/updated this since 2017. I really appreciate the strong responses I have received. Any input is great and especially input to the A through R Tabs in the back.

There is a web page that each of us can use to track our ARES involvement. VolunteerHam; <https://volunteerham.com/> This is strictly voluntary and up to you but could be interesting to use and see how much time, mileage, and events you work.



**“I want to thank all who participated in the last two events, your help was much appreciated.”
Frank (KC8EVS)**

NVIS Day

G. Michael Jacobs

KE8HGE



April 23, 2022 was warm, sunny, and had a pleasant breeze. And someone decided that this was supposed to be NVIS Day? Well, no one's perfect.

Six of us graced the shelter at Wolf Run Regional Park with an off-center fed dipole and a couple of transceivers, both of which were operating on battery power.

Several NVIS-related contacts were made, including W8SGT (“The Sarge”) at the State of Ohio EOC. There were several other contests and events going on, and contacts were also made with those. All-in-all, it was a good day to be out.

The antenna being used seemed to perform very well on a couple of different bands and will be making an appearance at Field Day this year.

Attendees: Don (W8PEN), Roger (KE8ICI), Steve (N8RLW), Ralph (KC8REB), Tom (KD8HSA), and G Michael (KE8HGE)

Photos: G. Michael Jacobs



NVIS Day

Terry Windsor
KI8N



Four of us braved the exceptional weather at Thayer Ridge Park to operate NVIS Day; Frank (KC8EVS), Emery (W8TW), Bill (KD8WHQ), and Terry (KI8N).

We made several NVIS contacts with stations inside Ohio and also a Special Event Station and Parks on the Air.

Frank set up his AN-2259 NVIS Antenna with an Icom IC-7300. Terry used an end-fed 60 foot wire at 6' above ground and 80M and 40M Hustler Resonators with an Icom 706 MKII.



Photos: T. Windsor



Long Time Member Notification

Tony Spiegel's wife passed away in February of this year and Tony (KC8UR) has moved to Brookdale Assisted Living Center in Mount Vernon.

Scott (W8HK) has been assisting Tony install an antenna so that he can remain active on CW. If anyone has ideas or time to assist Scott and Tony with antenna solutions please contact Scott.

FCC Application Fee Filing Guide

The FCC fee must be paid online directly to the FCC not to the VE team or organization processing the application form.

Individuals

\$35 Fee: new, renewal, rule waiver, and modification applications that request a new vanity call sign. The fee will be per application.

NO FEE: administrative updates, such as a change of name, mailing or email address, modification applications to upgrade an amateur radio licensee's operator class or to request a sequentially issued call sign and license cancellation.

Miscellaneous Rambling

Terry Windsor

KI8N



It was good to be outside again playing ham radio. I participated in both NVIS Day and the Black Fork Gravel Grinder. I want like to note

that coordination for both events was han-

dled excellent. Thanks to Don (W8PEN) and Frank (KC8EVS) for staging the county parks and to Steven (N8LRW) for all his effort in the biker race.

Looking forward, does anyone have plans to work on equipment, antennas, or cleaning up the shack? I need to do all of these! My OCF dipole needs trimmed to worked better on all bands but I will be mainly trying for lower SWR on 160 meters. However, getting to one of the ropes holding it in the trees is not going to be fun. Reason? This is the start of tick season and I have to climb into the woods to get to the rope. Last year every time I went into those woods I found at least three of these blood suckers on me.

My shack desk is a mess with papers and extra equipment crowding me out. Time to perform a deskectomy and get rid of things no longer needed.



I am going to Hamvention May 20 and ready to check out new items. Don't really need anything but just curious to look around. For me this is just a one day trip and Friday seems to work better with possibly smaller crowds.

Until next month, "Ham It Up!"



NVIS Day Wolf Run Regional Park

Photos: G. Michael Jacobs





NVIS Day Thayer Ridge Park

Photos: T. Windsor



Radio Active

Don Russell

W8PEN



April showers bring May flowers. True, but it also brings frustrated hams who want to work on their antennas. What antenna have you built this spring?

A few years ago, I had put up one of those portable storage sheds. You know, the kind

that has a tarp covering and are always on sale for about \$150. Well, this shed lasted about two years before the tarp started falling apart. I patched it up some and got another year out of it. This Spring it has become more of an eye sore than anything else. I checked the price for a new tarp that fit the frame and they want \$250 just for the tarp. Not going to happen.



So, I decided to tear down this shed and go back to storing my lawn equipment in the wooden shed. While tearing down this shed, I was thinking of all the possibilities that the metal tubing presented as far as building an antenna. I could see a possible loop antenna for 20 meters, maybe a small beam for 10 or 6 meters. A dipole for 20 meters. Even a simple antenna mast for the ends of a dipole or inverted V for Field Day.

At last, I may use the tubing to build me a small greenhouse for my garden!

NVIS Day

NVIS Day was a huge success locally. For a change, we had decent weather with sunshine and temps in the mid-seventies. Nice!

My group had a really good time. While the NVIS Ohio

gang was the main interest, that did not stop us from making random contacts all over the states. I had scheduled a contact with my buddy Lynn KD8G in Monroeville, Ohio. Lynn was the first one in the log. We had 20 over S9 signals both ways so we decided to lower our power to 5 watts and see what happens. Well, signals were still S9 and perfectly readable.

Thanks to those who attended and helped set up our station at Wolfe Run Park. Those attending where: Roger (KE8ICI), Tom (KD8HSA), Ralph (N8REB), Michael (KD8HGE), Steve (N8RLW), Dennis (N5LED), and myself, Don (W8PEN). My apologies if I missed anyone.

It is nice to have this much club participation. I know Frank KC8EVS had a good group at his location at Thayer Ridge Park. So, club participation was really good this year.

Gravel Grinder

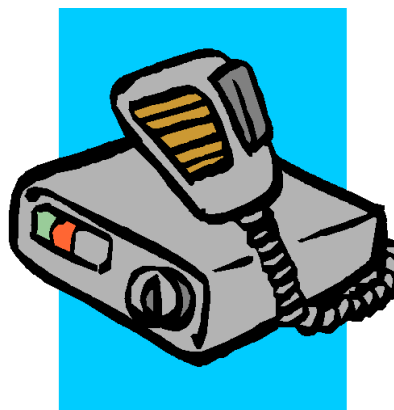
This year, the club and Knox County ARES helped with communications during the Gravel Grinder Bike event.

There were three check points. Tom (KD8HSA), Michael (KE8HGE), and I were at Aide Station one. Tom set up a crossband repeater so that we could all use our handi talkies rather than setting up a portable rig under the shelter.

The hills and valleys of this area make communications challenging to say the least. But we did okay and have plans on how to make it better for next year.

In fact, I understand that more check points may be added to the course. Of course, this means that we will need more operators.

It is a fun event, and it helps us stay prepared. I recommend everyone setting the dates aside and try to participate.



Knox County ARES

I would like to call to attention the job Terry (K18N) is doing as the new Knox County EC. He is really working hard to stir up interest and participation.

Let's face it. We need to be prepared. The only way to be prepared is to practice. Practice is not limited to an occasional Gravel Grinder type event. We will need to set aside a few weekends this year to check communication range to projected shelter sites and to practice a fair amount of message handling.

Some people are good at being "thrown into the fire" and excel at it. The rest of us regular guys need to practice.

Please, all members: Get behind Terry on this. Let's show that hams in Knox County can be prepared and willing to help out in times of need. Let's practice what we have been preaching.



2 Meter Repeater Antenna

The new 2 meter repeater antenna has been purchased. Due to member donations, I believe we only lost \$100 out of the club treasury. \$500 of the \$600 was covered by donations. The antenna is a Sinclair 4 folded dipole array, which is like the old repeater antenna and should work quite well for us.

Thanks to the InterCity Amateur Radio Club in Mansfield for selling us one of their spare repeater antennas. I looked up the price of this antenna and they are currently \$1500!

The antenna was assembled on Monday, May 2nd and is stored inside the water tower building waiting to be installed. Current schedule to install is Saturday, May 7th. However, at this moment, weather is not looking too good for that day, and we may have to delay the install.

With a bit of luck, the antenna will be in use as you read this newsletter.

Final

That's it for this month. Looking forward to seeing everyone at the May club meeting.





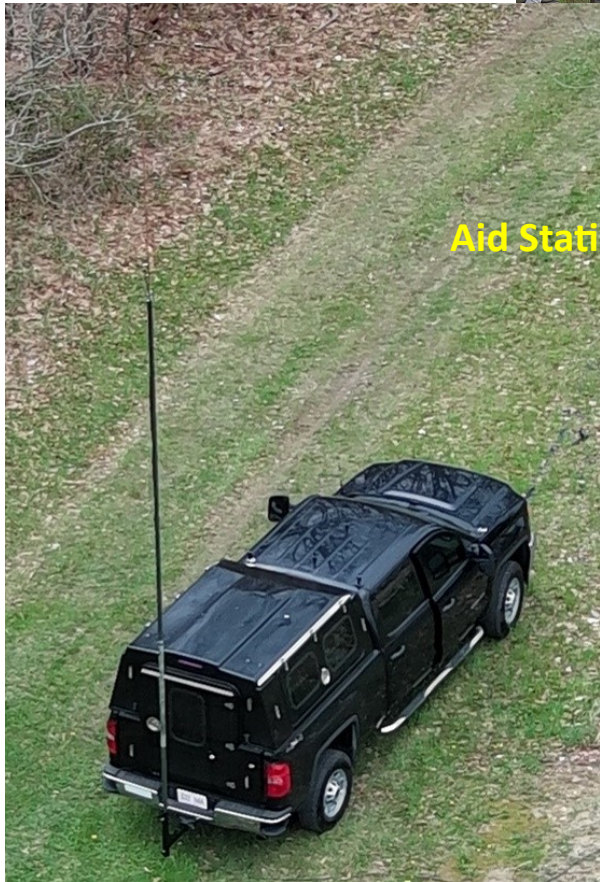
Photo: Barry Butz

Black Fork Gravel Grinder



Aid Station #2

Photos: Arlin Bradford





Start / Finish Station



Photos: Frank Counts,
T. Windsor



2022 ARRL Field Day Rule Changes

After taking a few detours over the past couple of years due to the COVID-19 pandemic, **ARRL Field Day** rules are being updated on a permanent basis starting this summer. ARRL conducted a Field Day community survey with invitations propagated far and wide, and direct emails sent to more than 15,000 individuals and ARRL-affiliated clubs. After sorting through, reviewing, and discussing the survey results, the ARRL Programs and Services Committee recommended a number of rule changes for ARRL Field Day, which will take place this year over the June 25 – 26 weekend.



Starting this year, the maximum PEP output for a transmitter used by anyone submitting a Field Day log will be 100 W.

The power multiplier of 2 will remain in place, and the high-power category will be removed from the rules. Until this year, the maximum low-power limit had been 150 W for most ARRL-sponsored operating events. The power multiplier will remain at 5 for QRP participants running a maximum of 5 W or less. As previously announced, 100 W is now the low-power category limit for all ARRL and IARU HF Contests, effective January 1, 2022.

A couple of changes instituted initially as accommodations for the COVID-19 pandemic will remain.

Class D (Home) stations will continue to be able to earn points for contacts with other Class D stations.

The club aggregate scoring change initiated in 2020 as a temporary measure will become part of the permanent rules.



In the aggregate scoring plan, the scores of individual stations are combined under the score of a single club.

Another change, involving Rule 7.3.2 Media Publicity, has been modified.

Rules to date have offered 100 bonus points for attempting to obtain publicity and demonstrating same. With the ease of posting via Facebook, Twitter, Instagram, and various other media websites, Field Day participants will now be required to obtain publicity, not just try to do so.

Any combination of bona fide media hits would qualify for the bonus points. For example, posting the details of your upcoming or ongoing Field Day activity, or your Field Day results, on a club or news media site, on Facebook, or via Twitter and Instagram would meet the bonus criteria. Photos and videos are encouraged as part of media posts.

May 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 9:00 pm ARES Sunday Night Net —Don Russell (W8PEN)	2 	3	4 4:45 pm Dinner - Southside Diner	5	6 10:00 am Breakfast - Academy Bldg	7
8 9:00 pm ARES Sunday Night Net—G. M. Jacobs (KE8HGE) Mother's Day	9 7 pm Monthly Meeting—In Person	10	11 4:45 pm Dinner - Southside Diner	12	13 10:00 am Breakfast - Academy Bldg.	14 9:00 AM Breakfast— North Main Cafe
15 9:00 pm ARES Sunday Night Net— Rog- er Gorrell (KE8ICI)	16	17	18 4:45 pm Dinner - Southside Diner	19	20 10:00 am Breakfast - Academy Bldg.	21 Armed Forces Day
22 9:00 pm ARES Sunday Night Net— Arlin Bradford (KD8EVR)	23	24	25 4:45 pm Dinner - Southside Diner	26	27 10:00 am Breakfast - Academy Bldg.	28
29 9:00 pm ARES Sunday Night Net	30 Memorial Day	31				



ARRL — the national association for Amateur Radio™



RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
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TO

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____	PHONE _____
NAME _____	E-MAIL _____
STREET _____	
CITY, STATE, ZIP _____	

PHONE NUMBER

E-MAIL

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REC'D

SENT

This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or www.arrl.org.

The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.

1320 2/11



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RADIOGRAM

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TO

THIS RADIO MESSAGE WAS RECEIVED AT

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PHONE NUMBER

E-MAIL

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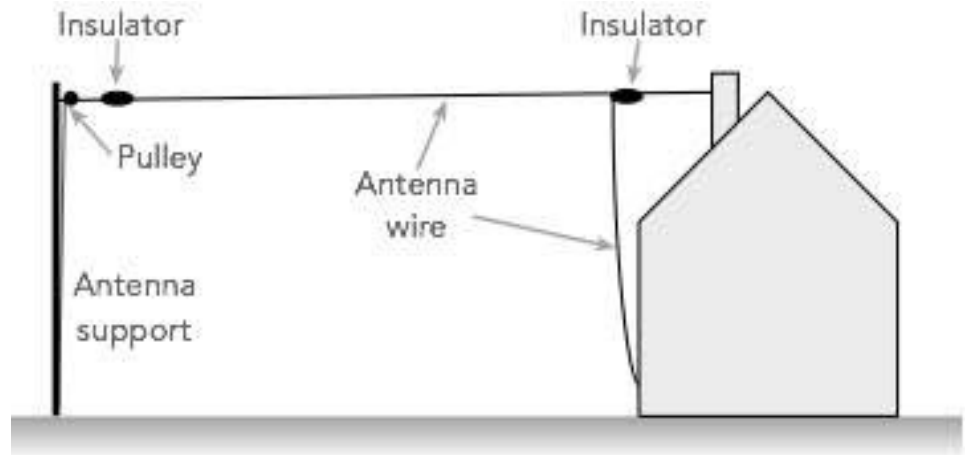
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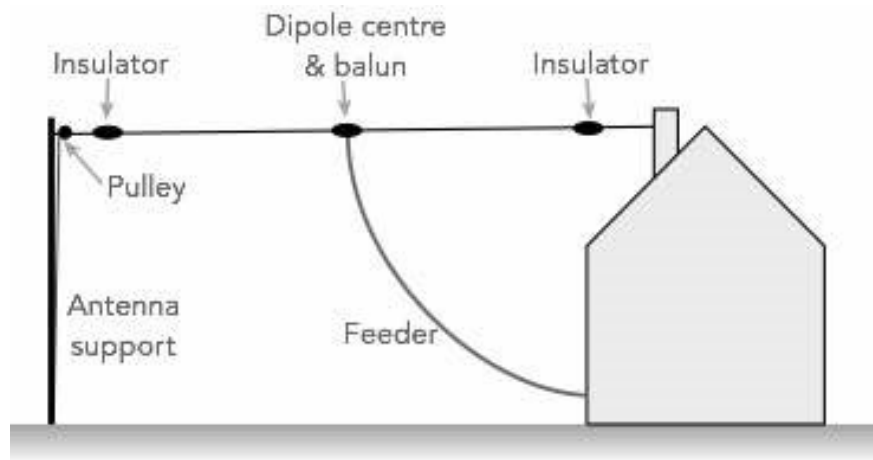
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Final Takeaway
Antenna Configurations



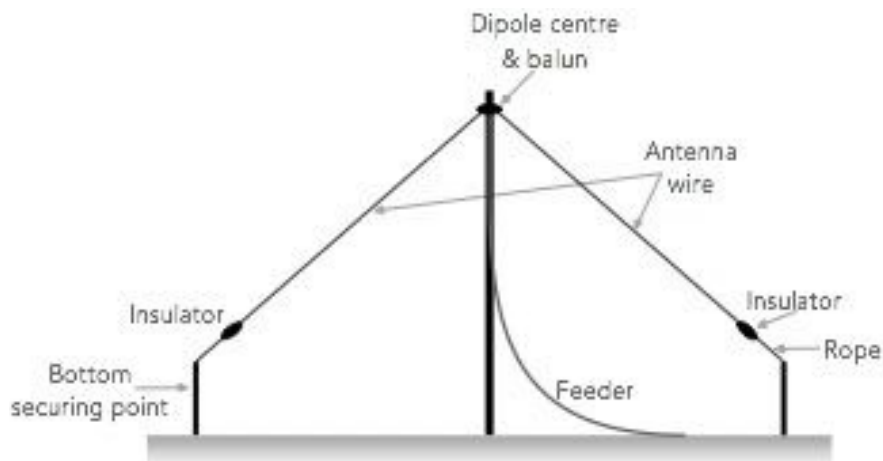
End-Fed Wire Antenna

Advantages	Disadvantages
Low cost	Can receive high levels of local interference
Multiband operation possible	Can give rise to interference to other local users
Simple to erect and install	Requires good earth ground



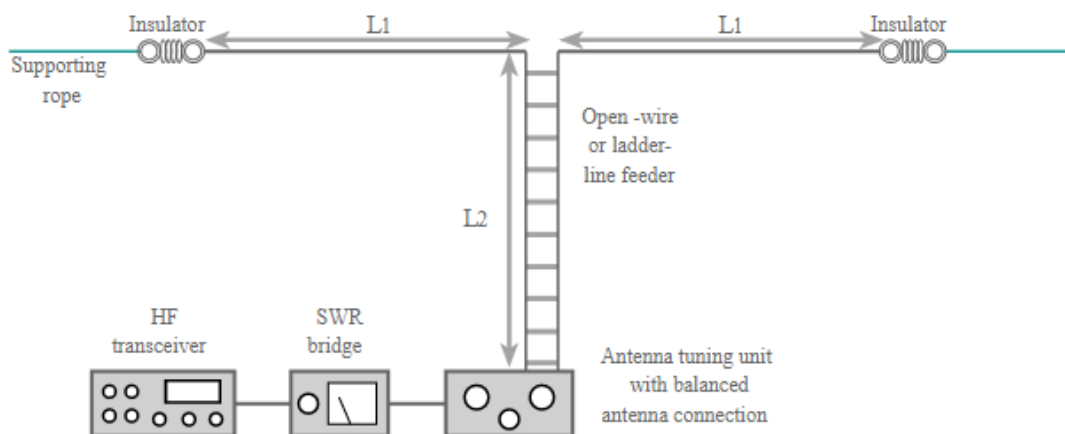
Wire Dipole Antenna

Advantages	Disadvantages
Relatively low cost	Often only single band operation
Simple to erect and install	Wire dipoles often need two high anchor points
Components for dipole cheap and easy to obtain	



Inverted V Dipole Antenna

Advantages	Disadvantages
Relatively low cost	Care needs to be exercised when fixing the two low ends as they can have high voltages when used for transmitting
Simple to erect and install	Wire lengths are slightly different to those of the horizontal dipole
Only requires on high mounting point	
Components for dipole cheap and easy to obtain	



HF Wire Doublet

Advantages	Disadvantages
Relatively low cost	Required the use of an ATU
Simple to erect and install	Does not provide a good match on all HF bands
Multiband operation possible	
Manufactured versions readily available	

General Exam Sample Test Questions:

G0A02 Which of the following properties is important in estimating whether an RF signal exceeds the Maximum permissible exposure (MPE)?

- A. Its frequency
- B. Its power density
- C. All these choices are correct
- D. Its duty cycle

G9D02 What is the feed-point impedance of an end-fed half-wave antenna?

- A. Approximately 300 ohms
- B. Approximately 50 ohms
- C. Very high
- D. Very low

Extra Class Exam Sample Test Questions:

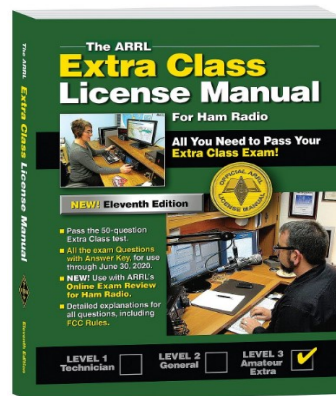
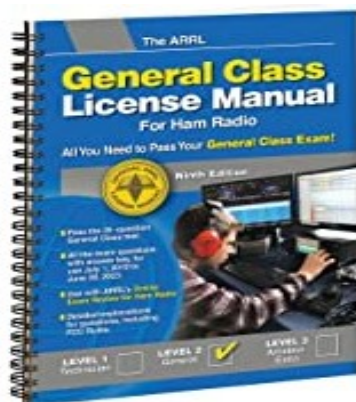
E9E09 Which of the following is used to shunt-feed a grounded tower at its base?

- A. Gamma match
- B. Double-bazooka match
- C. Hairpin match
- D. All these choices are correct

E7B06 What can be done to prevent unwanted oscillations in an RF power amplifier?

- A. Use a phase inverter in the output filter
- B. Tune both the input and output for maximum power
- C. Install parasitic suppressors and/or neutralize the stage
- D. Tune the stage for maximum SWR

These test questions are from the current test pools for their respective license classes. How did you do? The answers are on the last page. Practice tests for all license classes can be found here: <https://www.grz.com/hamtest/> The books shown are available from the ARRL for license studying.



Miscellaneous Amateur Radio Information

Join us every Sunday night on the Mt. Vernon 146.79 repeater for our weekly **MVARC ARES Net**. Check-in starts at 9 pm.

Unable to access the repeater from where you are located? We are on IRLP (EchoLink) - Just look us up.
K8EEN-R Node 809800.



Ohio Traffic Nets

The Ohio Single Side-Band Net (OSSBN)

Ohio Single Side-Band Net; Ohio connection for what is going on in the Ohio Traffic System. The Net meets on 3.972.5 KHz at 10:30 am, 4:15 pm, and 6:45 pm daily.

Alternate Frequency for all sessions is 3.968 KHz.



Central Ohio Traffic Net

The Central Ohio Traffic Net is a part of the Ohio Section of the National Traffic System. They meet daily to handle traffic; all licensed amateur radio operators are welcome to check in and to learn how to handle traffic. The Net meets daily at 7:15 pm.

Area Radio Clubs

Delaware Amateur Radio Association: <http://k8es.org/>

Newark Amateur Radio Assoc: <https://www.n8ara.org/>

(Mansfield) InterCity Amateur Radio Club: <https://iarc.club/>

Marion Amateur Radio Club: <http://www.marionhamradio.com/home.html>

The ARRL Ohio Section Newsletter: <https://arrl-ohio.org/news/index.html>

“ARES ... I would like to get together and am looking for what works best with the group.”
Terry (K18N)

Amateur Radio Vinyl Decals

Nichole Adessa, N8OVE

I make vinyl decals. I made two designs for MVARC. The links below are to the designs on my online shop.

The first link is a club design shown below.

https://www.etsy.com/listing/1009895981/mount-vernon-amateur-radio-club-vinyl?ref=shop_home_active_1&variation0=1971593946&variation1=1991398087

The second decal is personalized with the individual's call sign added.

https://www.etsy.com/listing/995928986/personalized-decal-with-call-sign-for?ref=shop_home_active_2

NOTE: You can see the both designs by going to the web address.



“... warm, sunny, and had a pleasant breeze. And someone decided that this was supposed to be NVIS Day?” G. Michael (KE8HGE)

Quick Updates



First-Time Exam Applicants Must Obtain FCC Registration Number before Taking Exam

Effective Thursday **May 20, 2021**, all amateur examination applicants will be required to provide an FCC Registration Number ([FRN](#)) to the Volunteer Examiners (VEs) **BEFORE** taking an amateur exam. This is necessary due to changes the FCC has made to its licensing system.

Social security numbers are no longer accepted at exam sessions.

Amateur candidates who already have an FCC license, whether for amateur radio or in another service, already have an FRN and can use the same number. All prospective new FCC licensees, however, will be required to obtain an FRN *before* the examination and provide that number to the volunteer examiners on the Form 605 license application. An FCC [instructional video](#) provides step-by-step instructions on how to obtain an FRN through the FCC's Commission REgistration System (CORES).

The FRN is required for all new applicants to take an amateur exam and is used afterward by the applicant to download the license document from the FCC Universal Licensing System (ULS), upgrade the license, apply for a vanity call sign, and to submit administrative updates (such as address and email

changes) and renewal applications.

In addition, **after June 29, 2021** all applications will be required to contain an email address for FCC correspondence. Applicants will receive an email direct from the FCC with a link to the official electronic copy of their license whenever a license is issued or changed.

New Technician Class (Element 2) Question Pool will take effect on July 1, 2022.

[Print an Official or Unofficial Copy of Your Amateur Radio License \(By Anthony Luscre, K8ZT\)](#)

As of February 17, 2015, the FCC no longer routinely issues paper license documents to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS). The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one. Licensees also will be able to print out an official authorization — as well as an unofficial “reference copy” — from the ULS License Manager. I’ve created a set of instructions on how you can request an “official” printed copy of your license. [Click here to download the instructions](#)

The \$35 application fee for Amateur Radio licenses becomes effective on April 19, 2022.

Answers to sample test questions on page 21.

G0A02: C – All these choices are correct

G9D02: C – Very high

E9E09: A – Gamma match

E7B06: C – Install parasitic suppressors and/or neutralize the stage

Editors Notes



The MVARC Newsletter is delivered to club members only by email link to the MVARC webpage. If you know a member who can not access or is not on this email chain please share this information with them and have them contact the editors.

Frank and I really need to hear from you as to layout, articles, ideas for new content and anything else you would like to read or write about. Please have all written input to us by the fourth Friday of the month for inclusion into the next monthly newsletter.

Please note the contact email for the MVARC newsletter is: admin@mvarc.net.

The **MVARC CQ** is the official newsletter of the Mount Vernon Amateur Radio Club.

