

March 2022

2022 Edition 3



# Mount Vernon Amateur Radio Club

## Club Meetings

MVARC meeting is held on the 2nd Monday of each month at 7:00 pm. The next club meeting is March 14, 2022.

## Meeting Location:

### Zoom Meeting

- Zoom information on page 2.

### 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

MVARC  
PO Box 372  
Mount Vernon, OH  
43050

### Email

MVARC.K8EEN@gmail.com

## 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

## Join Zoom Meeting

<https://us02web.zoom.us/j/86740517954?pwd=Nm1jSjJ6VmRwaS8zTm5rZlZlbDFhdz09>

**Meeting ID: 867 4051 7954**

**Passcode: 385329**

### To connect via telephone...

Dial by your location  
1 312 626 6799 US (Chicago)  
Meeting ID: 867 4051 7954  
Passcode: 385329

**NOTE:** this is the same Zoom link and information that was emailed to all members on 1/07/22.

## Daylight Savings Time

Do not forget to turn your clocks ahead one hour at 2 am on March 13. Time to Spring forward!

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“I would like to thank those who have stepped up and are working as net control for our Sunday night nets..” Frank (KC8EVS)

## President's View

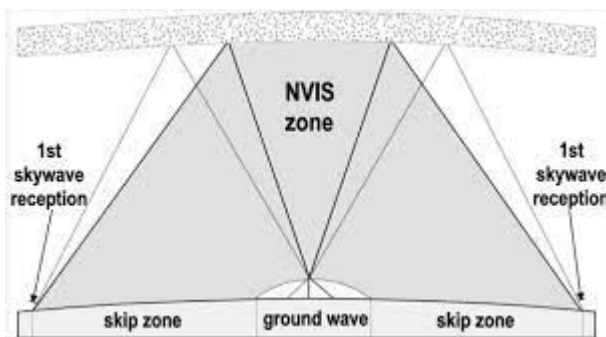
**Frank Counts**  
**KC8EVS**



Sorry, that I missed getting something in last month's newsletter. Life got busy and time escaped me! Hopefully this finds everyone thawing out

from winter. It's a good time to look at your antennas and see how they survived the cold months. I know my 160-meter OCF dipole was really drooping in that last ice storm but thawed out nicely.

Warmer weather is just around the corner and so are a couple of events. First is NVIS Day, April 23 (Saturday) from 10am to 4pm. As of today, we will be operating from two of the county parks Wolf Run and Thayer Ridge. If you have the time and/or if you have an idea for a NVIS antenna that you would like to try, come out and join in the fun. Be prepared, even though it is springtime it is usually cold and windy that day!



A week later April 30<sup>th</sup> is the Black Fork Gravel Grinder.

<https://www.blackforkgravelgrinder.com/>

Steve, N8RLW has taken the lead for this event this year. So, if interested contact him and let him know. It was a lot of fun last year. We will be discussing these more at the monthly meeting.



I would like to thank those who have stepped up and are working as net control for our Sunday night nets. They are doing a great job. This is great practice and test of our equipment. I hope to hear more of you in the future on the net.

Speaking of nets the Ohio Single Side Band Net meets three times a day, every day at 10:30am, 4:15pm and 6:45pm on 3972.5 (alternate 3968). Check out their web page [ossbn.org](http://ossbn.org). I know Terry discussed the Radiogram last month and if you tune in you can hear them passing messages using this system. I have listened in on a few and working on the courage to jump in and get my feet wet. Also, developing the discipline to be at the radio at one of the scheduled times. I will let you know next month or so how things are progressing.

That's all from me this month.

## ARES

**Bill Stroud**  
KD8WHQ



### ARES Report - March 2022

We (MVARC) are looking to hold an ARES Training session on March 26, 2022, at 10 am. More details will

be coming.

**Spotter Training** – These are online weather spotter training classes, no need to leave the house. However, you do need to register before the class.

Spotter Webinar 2: Thursday, March 24, 2022 (6 PM - 8 PM):

<https://register.gotowebinar.com/register/4650246311892748044>

Spotter Webinar 3: Monday, April 18, 2022 (7 PM - 9 PM):

<https://register.gotowebinar.com/register/8239934073279106317>

This information and registration links are also available on the NWS spotter training website <https://www.weather.gov/iln/spottertrainingschedule>

### Local ICS 300 Class

The Knox County Emergency Management Agency will be hosting this course April 18-20. Note: This is a three day, 21-hour classroom activity.

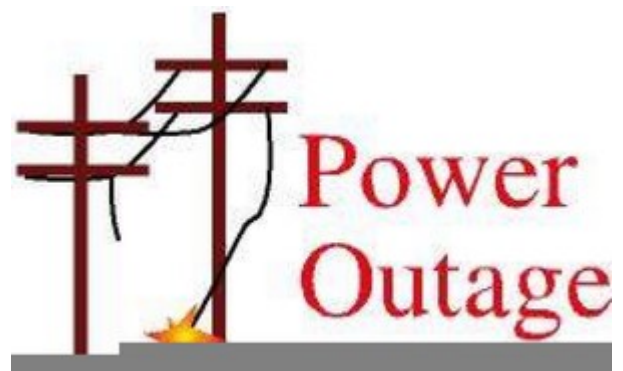
1. Access the following to view a list of upcoming courses: <https://webectraining.dps.ohio.gov/TrainingAndExercise/courselist.aspx>
2. Click on “Enroll” next to the course that interest you

3. Select “Public Safety Training Campus (PSTC)”
4. Login to the PSTC or select “Create a New User” account
5. Click on “Course Catalog” on the Menu on the left-side of screen
6. Select “Grid” **instead** of “Card”
7. Type in Keyword “Knox” or type keyword “300” and click on “Search”
8. Register for the course that interests you after the list of courses display
9. Wait for your request to be processed by Ohio EMA staff



### Power Outages

Go here to view power outages in the US. Click on state then county. <https://poweroutage.us/>



## February Meeting Minutes

**Bill Stroud**  
KD8WHQ



The February meeting of the Mount Vernon Amateur Radio Club was called to order at 7:00 pm by President Frank Counts

(KC8EVS). The meeting was on ZOOM and 12 members were present.

### Treasurer

The Treasurer's Report was presented. Barry Butz (N8PPF) asked if we could break out the money allocated for the ICOM 7300 as a separate line item. A motion by Don Russell (W8PEN) to accept the report and was seconded by Roger Gorrell (KE8ICI). The motion passed.

### Repeater Report (Don Russell W8PEN)

The 2 meter repeater is working fine. It's running on the backup antenna. The 440 repeater is at Steve Harvey's (N8RLW) house. The firmware has been upgraded. Steve is looking to replace the computer that is needed for the internet. He has one that he will loan for the time being. The repeater needs to be re-installed at the hospital. Michael Jacobs (KE8HGE) will arrange a time and date for the installation.

### Mesh Network Report (Don Russell W8PEN)

There are three nodes that need a firewall upgrade. Don will be looking in to see if he can do this remotely or if it must be done in person. The rest of the mesh network is running without issues.

### Old Business

North Fork Gravel Grinder will be April 30. Steve Harvey (N8RLW) is the chairperson. There will be a need to setup 3 stations for the race. It starts at 10 am and will be done by 3 pm.

NVIS – Don Russell (W8PEN) suggested we use Wolf Run Park this year. It is on Yeager Road in Mount Vernon. We will have to bring our own power and maybe traps for the sides of the shelter.

Technician License Classes - Michael Jacobs (KE8HGE) will contact those that have shown interest in the class and setup dates. He hopes to start next month.

### New Business

After a discussion it was decided to start meeting in person again for our Friday morning breakfast.

There was a discussion about next month's meeting. Barry's (N8PPF) son will present a balloon launch he attended. He will not be present. A motion by Don Russell (W8PEN) and seconded by Roger Gorrell (KE8ICI) was made to have next month's meeting on ZOOM, then in April start meeting in person.

A motion was made by Roger Gorrell (KE8ICI) and seconded by Ralph Hoffman (W8LRF) to adjourn. The motion carried.

Barry Butz (N8PPF) gave a demo of the finding of using a spectrum analyzer with his QRP radio. The spectrum analyzer was a Tiny SA. It sells for around \$50. He discovered he was going to have to add some modes to eliminate the harmonic radiation he was seeing.



## Technician Class Schedule

**G. M. Jacobs**

**KE8HGE**



MVARC Technician License classes are "Go!"

Classes are Saturdays March 5

thru April 9, 10am - 2:30pm at the Academia Administration Building. Open Testing for all license classes is scheduled April 16.

Interested parties can email [info@mvarc.net](mailto:info@mvarc.net) for more information.

Testing materials: PDF files of the slides and questions with correct answers, are posted on the [mvarc.net](http://mvarc.net) website. Select the "Ham Radio Classes" button on the lower left of the page.

Testing fee is \$15.00 but an FRN must be applied for prior to Testing (Techs only). Refer to page 18 in this newsletter for instructions.

## January Meeting Minutes

**Bill Stroud**

**KD8WHQ**



These meeting minutes were not available for the February newsletter and are being published this month.

The January 2022 meeting of the Mount Vernon Amateur Radio Club was called to order at 7:00 pm by President Frank Counts (KC8EVS). The meeting was on ZOOM with 18 members present.

### Minutes

The minutes of the previous meeting in the MVARC Newsletter were presented and ap-

proved as written.

### Treasurer

The Treasurer was not present, and he sent his report to be presented by Frank (KC8EVS).

A question was asked if the Icom 7300 had been paid for yet or was this money still in the Treasury. Currently the money is still in the account. A motion was made as moved by Scott Yonally (N8SY) and seconded By Steve Harvey (N8RLW).

### Repeater and Mesh Report

Arlin Bradford (KD8EVR) is working with his contacts for a new Repeater antenna. Wires X was installed on the 440 meter repeater but was not working correctly. Steve Harvey has the repeater and is working on it. It will be on a simplex frequency for testing.

Mesh no progress until spring. Currently working fine.

### ARES

This past Saturday, Jan 8, was the Ohio Simplex Contest.

NVIS is the 3<sup>rd</sup> weekend in April.

### Old Business

There was a discussion about buying pizza and doing a demonstration at the Escape Zone as we had promised.

### New Business

The Black Fork Gravel Grinder in April 30. Steve Harvey (N8RLW) has volunteered to head this project. He asked for volunteers and 5 members spoke up and volunteered.

Michael Jacobs (KE8HGE) is working on setting up a Tech Class for some time in Feb or March.

Friday Morning Breakfast Meetings will be on ZOOM until we decide that the Covid rates have dropped.

## Adjourn

Scott Yonally (N8SY) made a motion to adjourn, and Kevin Adams (KD8NFV) seconded the motion. The motion passed.

Scott Yonally presented a video tour of W1AW.



## 2022 ARRL Field Day Rule Changes



02/09/2022

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.

## Radio Active

**Don Russell**  
**W8PEN**



Hello everyone. I feel guilty. Last month was the first time in a very long time that I did not submit an article for the newsletter. Not that I didn't think

about doing so. I just procrastinated so long that it never got done. My apologies for not allowing club members to reap the rewards of my wisdom. A big LOL there! Or HiHi in ham radio lingo.

### **Don't look now, here comes Spring!**

With Spring right around the corner, it might be time to look at new antenna projects. I have a few ideas in mind. While my 160 meter Off Center Fed (OCF) antenna has done well for me over the years, I have the urge to try something new. The antenna seems to work well on CW contesting, but not so good on SSB contesting. While I think that is just me being paranoid, it would be interesting to try something new.

I have two Spring projects in mind. One is a modification of the temporary 160 meter inverted "L" that I put up for the ARRL 160 meter contest in December and have never taken down. This antenna goes up alongside the tower (about five feet away from the tower) vertically about 40 feet and then runs away from the tower about eighty-five feet. The horizontal end is at 15 feet, so the horizontal part is not exactly horizontal. But it works very nicely on 160 meters.

I decided to try this inverted L antenna on other bands and find that it outperforms my

OCF antenna much of the time. Depending on propagation. On 80 meters, the SWR is quite high, and I am sure that I have lots of loss there. Even on 40 meters the SWR is higher than what I should be using. But it works well on those bands with an antenna tuner. There are times when I am talking to a station using the Inverted L antenna with good signal reports. When I switch to the OCF antenna, the station I am working is significantly weaker, or disappears altogether.

This Spring I am planning on making this Inverted L antenna a permanent part of my antenna system. I will do my best to get the horizontal part of the antenna more level with the ground.

I am also thinking about a 4:1 Balun to get the SWR on the bands other than 160 meters a bit more reasonable. I will have to experiment here. Maybe I need a 9:1 balun. I am looking for the antenna to work at least 160 – 40 meters with reasonable SWR.

The second project involves a better antenna for at least 20 meters, and perhaps 15 and 10 meters as well.

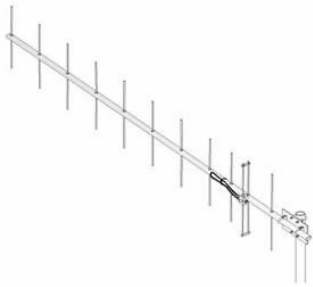
Many years ago, I got rid of my three element tri-band beam. I was tired of taking that monster down every three or four years for cleanup and fine tuning. In the beams place, I installed a homebrew tri-band dipole that covered 20 – 10 meters. This dipole antenna was up for several years and worked well. In fact, it had an advantage over a beam. I could use it in two directions instead of one. Since this antenna had no reflector, the antenna pattern was a typical dipole figure eight pattern that was broadside to the antenna.





When working stations to the West, I could also hear and work stations to the East. This antenna was made with bamboo fishing rods from Walmart and lasted several years before finally deteriorating due to sun and weather. But it was nice while it lasted, and I always meant to replace it with perhaps a commercial version. I never did.

I have a 2 meter beam antenna that I have been trying to sell for a couple of years now. This antenna was part of my EME and Meteor Scatter projects. While I still have my EME array in the air, this third antenna was taken down a few years ago. It is a monster antenna! The antenna is thirty-five feet long



and uses seventeen elements. Huge!

Since I have had no takers on this antenna, I have decided

to repurpose it. This is an antenna that is still being produced by M2. It is called a 2M5WL and sells for close to \$600 new. I have been trying to sell it for \$200 used. Unfortunately, there are not many hams that need this kind of high performance antenna for 2 meters.

My plan is to take all the elements off the antenna. I will store these elements in a safe place in case my project does not work out or change my mind and want to use the antenna as intended on a future project.

A half wave dipole antenna for 20 meters is about 33 feet. The boom of this 2 meter beam is 35 feet. Close enough for using the boom as a 20 meter dipole using a gamma match feed. I should be able to easily turn the boom of this 2 meter antenna into a full sized 20 meter dipole. Alternatively, I could

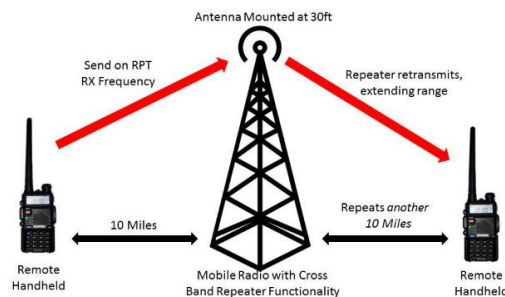
split the middle and feed it as a true dipole. This may be mechanically unstable, however.

To keep this boom from drooping, there are rope supports from about two feet above the center of the boom and attaches to the each end of the boom. I plan on turning this rope support into a 15 – 10 meter fan dipole. Thus, I will have a dipole antenna I can rotate that works on 20, 15, and 10 meters.

Now, I am sure the 20 meter dipole part will work. Not so sure about the 15 and 10 meter part of it. But in my opinion, it is worth a try.

I will let members know how this antenna works out. If I think about it, I will take pictures as I modify it.

## 2-Meter Repeater Update:



Currently, the 2 meter repeater is performing great. The backup antenna is still being used. I am trying to collect enough money to buy a new repeater antenna like that one that is defective. This antenna is going to cost between \$600 - \$900, or more. I don't want to break the clubs bank on this. However, we really do need to get a true repeater antenna back up this Spring. Currently, I have collected \$100 for the project. Another \$300 has been promised from various members. If you would like to donate to this project, let me know.

Please be aware that only one mode can be used at a time.

### **70-cm Repeater Update:**

Currently the 70 cm repeater is down while Yaesu Wires-X is installed.

Installing Wires-X has been more difficult than we had imagined. Steve Harvey N8RLW has volunteered to get Wires-X up and running on the repeater. It was decided to pull the repeater from KCH so Steve could work on this project at home during his spare time.

Firmware had to be updated on the repeater so that it would be Wires-X compatible. The computer that was going to be used was limited to Windows 7 and kept crashing.

I had a computer capable of Windows 10 being used on the mesh network. Since it was running Linux, I had to reinstall Windows 10, which wasn't much of a problem. However, the battery is pretty much shot in this computer, and I went ahead and ordered a new one.

Once Steve gets this computer, he will install Wires-X software and we should be able to return the repeater to KCH.

I would guess by the time the March meeting comes along, the 70 cm repeater will be back in operation and running Wires-X.

### **Local Mesh Network Update:**

I am currently updating all the mesh nodes with the latest firmware release from AR-EDN (Amateur Radio Emergency Digital Network). I have been able to upload the firmware mostly from home. There are a few nodes that I will have to make a personal visit to.

I have also removed the phone PBX system

on the mesh. Mostly to free up the computer for use on the Wires-X project mentioned above. I may or may not put the PBX back on. You can use these mesh phones without a PBX.

I will do some experimenting and decide if a phone PBX is necessary for what we want to accomplish with the local mesh network.

In the meantime, I have really liked the Zoom meetings we have been doing via the internet for meetings and Friday Breakfasts. I think we can do much the same thing on the local mesh network. I am reading up on the software it will take. I tried this once with some success. The audio portion was working fine, but I never tried the video side of it.

There may not be enough bandwidth on our network for good video, but I won't know until I try it out.

### **Friday Breakfast is Back!**

Since the Omicron variant of Covid-19 is starting to diminish, the club has started in person Friday Breakfasts once again. Come meet with us every Friday at 10:00 AM at our new club room in the Academy Administration building, 790 Fairgrounds Road, Mt. Vernon.

Bring your own breakfast and coffee. I have plans on getting back to making coffee, but it has not happened yet.

Masks are optional. If you feel safer wearing a mask, please do so. There is plenty of room for everyone to have their own space if desired.

Until next time, 73. See you all (online via Zoom) at the March meeting.

## Miscellaneous Rambling

Terry Windsor

KI8N



Let's discuss HF contesting, not much talk in our club regarding contesting and almost none about club/team contesting. At

one time several members of MVARC decided to use **Radiohio** as a contest team name and we participated in several HF contests. However, in the last couple of years there has been no discussion or participation as a club in contesting. This was a good time and I miss it.

Since there may be several of us that enjoy the occasional contest just for fun, I thought I would include a link that provides contest calendars. This is the WA7BNM Contest Calendar. <https://www.contestcalendar.com/>

On WA7BNM's webpage he has it broken up into several time periods such as; 8-Day, 5-Week, and 12-month. He also has the calendar for the State QSO parties.

Also, note that not only can logs be uploaded to the sponsoring contest organization but you can also post your logs to [3830scores.com](http://3830scores.com) so others can observe who participated and their unofficial scores.

To continue along this contest line of discussion I participated in the CQ World Wide 160-Meter SSB contest February 25—27. I was active about three hours but made 80 contacts with 30 multipliers. I also had my first

160-Meter SSB contact with the Bahamas. Total score was only 5340 but it was fun.

I recently sent my non-working Icom 706MKII to Midwest Technical Services in Watertown, SD for repair. Tim, WDOFKC is the owner and he had my 706 repaired and shipped back to me in about a week. I had tried to find the problem several times but with limited test equipment I was never able to pin point the issue with its low power on both HF and 2-meters. I am extremely happy with Tim's service and prompt service.

On a serious note, if you are signed up to receive emails from the ARRL there was an email sent to all recipients on February 24 reminding amateur radio licensees that the FCC re-issued a routine reminder that licensed operators are prohibited from using radios to commit or facilitate federal, state, or local criminal acts.

I would hope that none of us ever consider or allow anyone else to use our radios in such a manner.

I read in the January Minutes there was talk at the January Zoom meeting about scheduling a demonstration with the Escape Zone children. But then it appears this subject once again died.

We made a promise to Terry Walters, President of the Escape Zone that we would work with them when he was gracious enough to allow us to use their building. My thought on this is that we have reneged on a worthwhile project to work with the children of this community. Shame on US!

Until next month, "Ham It UP!"



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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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](http://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.

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# RADIOGRAM

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TO

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CITY, STATE, ZIP _____	

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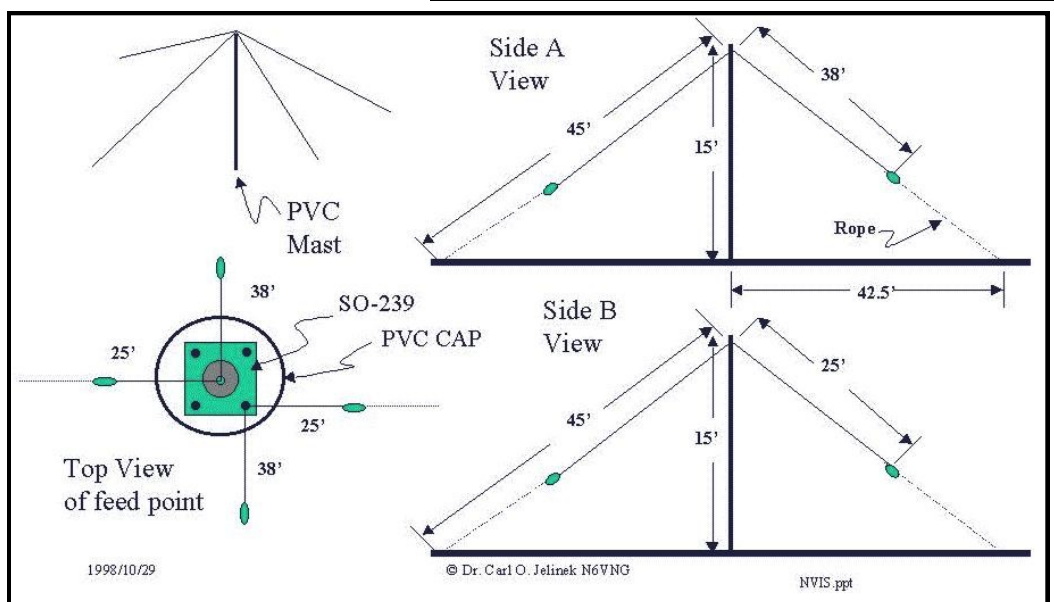
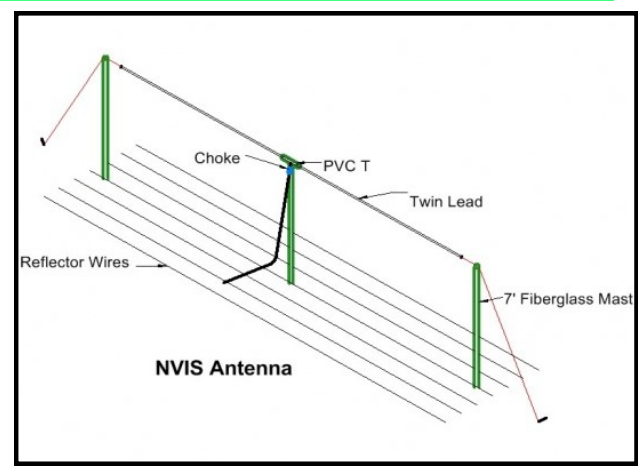
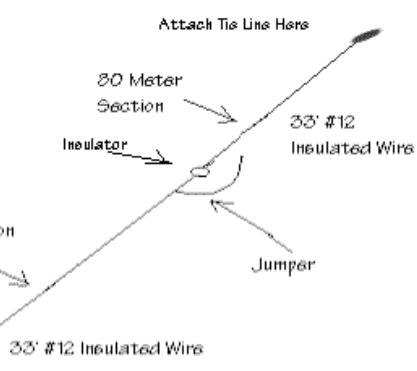
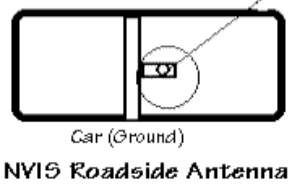
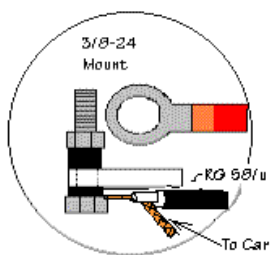
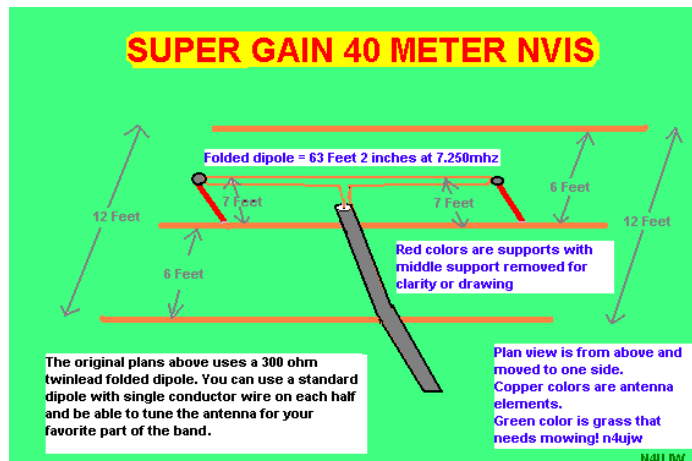
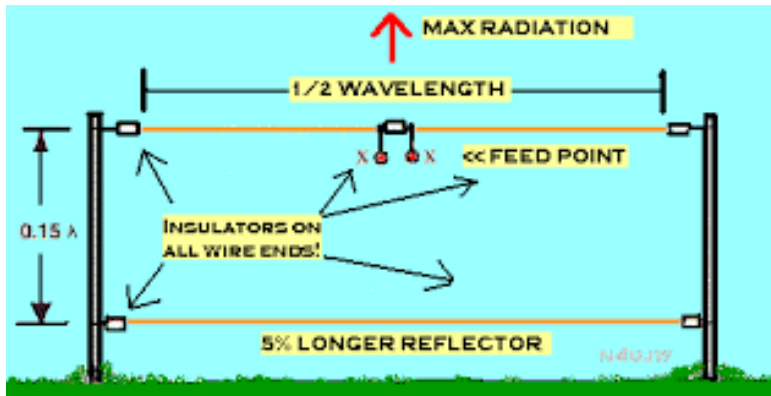
1320 2/11

# March 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6 9:00 PM ARES Sunday Night Net — Don Russell (W8PEN)	7	8	8 4:45 PM Dinner - Southside Diner	10	11 10:00 AM Breakfast - Academy Bldg.	12
13 9:00 PM ARES Sunday Night Net—G. M. Jacobs (KE8HGE) <b>Daylight Savings Time Be- gins</b>	14 <b>7 PM Monthly Meeting—Via ZOOM</b>	15	16 4:45 PM Dinner - Southside Diner	17 <b>St. Patrick's Day</b>	18 10:00 AM Breakfast - Academy Bldg.	19
20 9:00 PM ARES Sunday Night Net— Roger Gorrell (KE8ICI) <b>First Day of Spring</b>	21	22	23 4:45 PM Dinner - Southside Diner	24	25 10:00 AM Breakfast - Academy Bldg.	26
27 9:00 PM ARES Sunday Night Net— Arlin Bradford	28	29	30 4:45 PM Dinner - Southside Diner	31		

# Final Takeaway

## NVIS Antenna Types



Link to: [NVIS Antennas and Propagation](http://www.n4ujw.com/NVISAntennasandPropagation)

## General Exam Sample Test Questions:

**G1C15** What measurement is specified by FCC rules that regulate maximum power output?

- A. PEP
- B. RMS
- C. Forward
- D. Average

**G2A08** What is the recommended way to break in to a phone contact?

- A. Say "QRZ" several times, followed by your call sign
- B. Say "Breaker Breaker"
- C. Say your call sign once
- D. Say "CQ" followed by the call sign of either station

## Extra Class Exam Sample Test Questions:

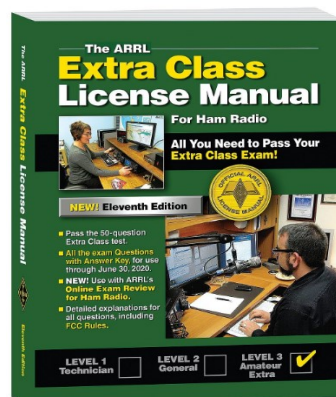
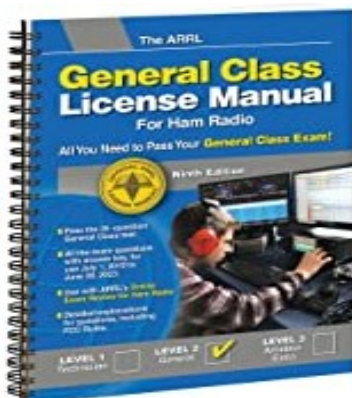
**E6D01** Why should core saturation of an impedance matching transformer be avoided?

- A. Harmonics and distortion could result
- B. Magnetic flux would increase with frequency
- C. RF susceptance would increase
- D. Temporary changes of the core permeability could result

**E6D03** Which of the following is an aspect of the piezoelectric effect?

- A. Mechanical deformation of material by the application of a voltage
- B. Increased conductivity in the presence of light
- C. Mechanical deformation of material by the application of a magnetic field
- D. Generation of electrical energy in the presence of light

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 ARES Net. **Check-in starts at 9pm.**

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 6:00 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 p.m. local time.

## 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>

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**“At one time several members of MVARC decided to use **RadioOhio** as a contest team name and we participated in several HF contests.” Terry (KI8N)**

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## 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](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](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.



**Mount Vernon  
Amateur Radio Club**  
Serving Greater Knox County, Ohio



**MOUNT VERNON  
AMATEUR RADIO CLUB**  
**YOUR SIGN**  
Serving Greater Knox County, Ohio

“With Spring right around the corner, it might be time to look at new antenna projects.” Don (W8PEN)

## 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 applica-

tions 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. ARRL VEC suggests that those without access to email to use the email address of a family member or friend. Licensees will be able to log in to the ULS using their FRN and password to download the latest version of their license at any time. The FCC no longer provides paper license documents.

### [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](#)

## Answers to sample test questions on page 19.

G1C15: A – PEP

G2A08: C – Say your call sign once

E6D01: A – Harmonics and distortion could result

E6D03: A – Mechanical deformation of material by the application of a voltage



### 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 to [MVARC.K8EEN@GMAIL.COM](mailto:MVARC.K8EEN@GMAIL.COM).

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



## Items For Sale

### Generator for Sale

Troy Built Generator

- ⇒ 5,000-Watt, 6,250 Watt Surge
- ⇒ 220 VAC & 120 VAC
- ⇒ Runs good

\*\*\*Battery does need to be replaced. Starts easy with pull rope\*\*\*

**\$400 or Best Offer**

Mt. Vernon Amateur Radio Club  
c/o Don Russell, W8PEN  
740-397-0249  
740-326-0476

