

September 2022

2022 Edition 9



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 September 12, 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

President's View

Frank Counts KC8EVS



It's September already. **OSPOTA** will happen just before our monthly meeting hope you attend and have a good time. I'm praying that I can attend. I don't know yet and won't know until the week before. I just had my second visit with the surgeon, and she was very happy with how my pelvis is healing. She even said I can start putting a little weight on it, very good news. My first PT is the 31st of August that will determine how quickly I can proceed. There's light at the end of the tunnel, let's pray no train. Oh, I'm still watching that dandelion!

I hope you are planning on attending **OSPOTA** this year as I previously mentioned. We will be at the North Shelter House, Mohican State Park as we have been in the last couple years. The date is September 10, starting at 10a. We will play until we get tired or 6p. Bring your own lunch and drinks.

I don't know how many are following Arlin Bradford's face book page, so I'll give a brief update. His last CT scan shows great improvement. He still has a way to go but it is looking much better, and he is feeling great. Check it out here: <https://www.facebook.com/groups/699073594420571/?ref=sharehttps://www.facebook.com/groups/699073594420571/?ref=share&exp=9594>

Hope to see you all soon, in person. Hopefully I will be able to drive and navigate stairs soon.



"Oh, I'm still watching that dandelion!" Frank
(KC8EVS)



Meeting Minutes

Bill Stroud
KD8WHQ



The August 2022 meeting of the Mt. Vernon ARC was called to order at 7:00 pm by Vice President Barry Butz, N8PPF.

There were 15 members in attendance. Presi-

dent Frank Counts is still recuperating from surgery.

Roger Gorrell KE8ICI
Michael Jacobs KC8HGE
Emery Bennett W8TW
Don Bunner KB8QPO
Ralph Dunmire
Bill Stroud KD8WHQ
Steven Harvey N8RLW
Terry Windsor KI8N
Barry Butz N8PPF
Larry Howell AC8YE
Don Russell W8PEN
Tony Spiegel KC8UR
Ralph Bower KC8REB
Jim Bostic KD8IZI
Darlene Pudlinski KE8TJN

The minutes for the July Meeting were presented with no changes or objections. A motion to approve was made by Emery Bennett and seconded by Roger Gorrell.

The Treasurer's report was presented with no objections or changes.

The ICOM 7300 radio has arrived. There was \$1100 in the bank for the radio. Also ordered was a head set and foot switch bring the total to \$1500.

ARES

There was a tabletop exercise on July 16.

An exercise to go into the field at all the fire stations and Red Cross Shelters and see if we can hit the repeater. It would also be nice to try simplex from each location will be scheduled for August 20 at 9am.

The SET is scheduled for Oct. 1 and 2. Terry is reviewing all the documentation to set up an exercise.

Repeater

The repeater was replaced with the old repeater. Still need to work on the controller.

Don Russell is stepping down as the repeater Tech. Roger Gorrell and Steve Harvey will be taking over that job. Don will be keeping the Echolink computer at his house. He's going to change the computer from Windows to Linux to see if this improves the stability.

Old Business

Emery Bennett is going to check with Ariel-Foundation Park to see if we could set up there for 2023 Field Day.

Banners – we need to investigate getting one or more new ones- Roger Gorrell will check into this. The 2'x4' banners cost about \$50 each. A motion by Don Russell and seconded by Terry Windsor to spend the money for the banners. The motion passed.

A Technician testing session was completed at the Hospital with 3 people. One already had a license and the other 2 took the test. Michael will be talking to them to schedule more training.

New Business

OSPOA is scheduled for Sept 10 at Mohican Park. Emery Bennett reserved the North shelter house for us.

A work party day to fix up the Radio Room was scheduled for Aug 11.

The Fan Dipole antenna at the EOC needs put back up, one end is down.

Terry is looking at fldigi for a phone app.

The MVARC Newsletter won 2nd place in the state. Terry and Frank should be congratulated on a fine job.

A motion was made by Don Bunner and seconded by Don Russell to donate \$150 to Apple Valley for Field Day. The motion passed.

Tony Spiegel brought in 2 Baofeng radios that were donated by Don Beyer's (N8GIJ - SK) wife. A letter will be sent to his wife thanking her for the donation.

Meeting was adjourned at 8 pm.



ARES

**Terry Windsor
KI8N**



Sorry everyone for cancelling the August ARES exercise. That Friday, I went to the Dr. with an ongoing cough and tested positive for Covid. Since myself and several others were not going to be available it only

made sense (at least to me) to cancel the exercise.



However, I would like to reschedule that same exercise this month. It appears September 24th should work since I do not see anything else scheduled.

This exercise will verify our ability to contact our NCS using both repeaters and via simplex. We will verify our radio communications from Knox County Red Cross shelters, fire stations, and the hospital. I will send the email again to remind everyone what is being planned.

Another item is the upcoming Ohio SET October 1 and 2. Does Knox County want to participate? This is something I will bring up at the meeting to get member feedback.

Finally, I would like to remind the Sunday night ARES net managers that I would appreciate getting your information to assist me with filing the monthly ARES County report. I only need the number of people that you have check in and length of time the net was active. You can either email or text me.

Thanks All!

Radio Active

Don Russell

W8PEN



Somehow, I missed last month. Another Senior Moment. Plenty to talk about, so let's get started.

Club Room Renovation

The room provided to us at the Academy Building is finally being prepped for use. The room is large and nice but needed some tender loving care. There are parts of the wall and ceiling that needed re-plastered, and the walls needed washed down and repainted.

This process has begun. Roger Gorrell (KE8ICI), Terry Windsor (KI8N), Emery Bennett (W8TW), Ralph Bower (KC8REB), and I washed down the ceiling and walls, and prepped the areas in need of plaster. With all of us working together, this took about four hours. Roger was going to do the plastering later in the week.

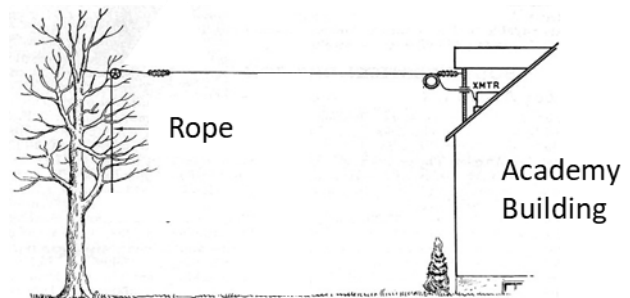
The next step is to paint the whole room with Kills, and then a few days later, paint the room whatever color the group decides. The floor will also need repainting and the club will need to buy new curtains, as the ones presently hanging there are in poor condition.

There is one large wall as you enter the room. I have several ideas for this wall. We could hang a large World Map on the wall. We could hang framed photos of past club events on the wall. We could use the wall as a projector screen. I am sure there are more ideas out there. Maybe a combination of ideas could be done.

I am also working on a temporary end fed antenna we can hang out the window and allow use some operating on the 20 – 10 meter bands. The antenna is 28 feet long and has reasonable SWR on 20 and 10 meters. Not so good on the other bands. But it would get us on the air.

I will install the antenna soon after the renovations to the room are complete. If I can wait that long to try it out. I am curious whether the SWR will change when I move it from my experimental location at home to the Academy Building.

The EF antenna seems to work well. I made several contacts with it from home with good signal reports.



2 Meter Repeater

The big topic is the continuing upgrade of the club's 2 meter repeater. Much of the problems have been resolved by installing the new repeater antenna a month or so ago. That being said, the old Maggiore repeater, which has been in operation since 2002 and served us quite well, has seen its better days.

It all started when the repeater amplifier failed. In hindsight, I think it was the defective repeater antenna. But we did not know it was bad at the time.

We replaced the amplifier with a Kenwood mobile amplifier. This amplifier worked well for about six months, then failed. A further hint that there was something wrong with the antenna, which I did not pick up on. After all, a Kenwood amplifier was used to begin with.

At this point, I decided to turn the repeater into a 4 watt repeater. This was simple. Connect the transmitter directly to the antenna instead of an amplifier. This was indeed possible because the impedance output of the repeater transmitter was 50 ohms and the transmit output was 4 watts. The 4 watts was then fed into an external 150 watt amplifier. The resulting output of the external amplifier with only 4 watts drive was around 45 watts. Exactly what we wanted, and low enough so that a cooling fan was not needed on the amplifier. This worked well for about a year. At that time, the real culprit showed its ugly face. The antenna.

So, with the help of Matt Mitchell, KB8UVN, from Johnstown, we were able to rebuild the repeater antenna. At some expense, but not as much as a new antenna would have cost. This rebuilt antenna only lasted about a year. Not good. The club bit the bullet and bought a new repeater antenna of the same type as the old antenna. Well, the club got a deal from the Mansfield group. They had a backup repeater antenna that they no longer wanted to store. The club bought it for \$600. A steal considering a new antenna of the same type was selling for \$1300 plus shipping.

By the way, this all happened while the repeater was on its backup antenna and performing quite nicely. We had also installed the Yaesu DR-1X repeater after buying an

adapter board to allow the DR-1X to work without a repeater controller.

You would think we were in good shape after installing the new repeater antenna. Well, no.

Another problem crept into the picture. The interface board being used between the DR-1X and repeater controller failed. We ran the DR-1X on its internal controller, which is bare bones at best, for a month or so.

In the meantime, Roger Gorrell, KE8ICI, bought a new controller from Arcom. This repeater controller came in kit form which Roger had to build. There was a problem getting some needed parts to finish off this new controller.



While Roger works on the controller project, it was decided to temporarily reinstall the old Maggiore repeater. Doing so gives Roger the chance to get the controller and DR-1X working together without having to worry about repeater downtime.

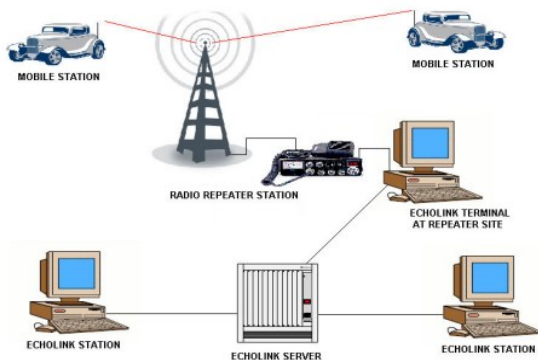
The Maggiore repeater is working well for now. However, the receive is down a bit and it will be nice to get the DR-1X and new controller installed.



At some point we will have to pay Roger back for the cost of the controller and additional parts. But for now, the priority is to get the new system up and running. Roger and Steve, N8RLW, are working on this and hope to have things ready in a few weeks.

The repeater is operational and working quite well.

Echolink



Of course, the 2 meter repeater is not the only system we have had problems with. The Echolink system which is run on the 2 meter repeater has been having issues. For some reason, it keeps going offline and I usually must reboot the computer to get back online.

I initially decided to install Linux on the Echolink computer and use a program called SVXLINK, which is compatible with the Echolink system. I have been unable to get SVXLINK to work properly.

In the meantime, I have put the Echolink system on a different computer. This computer has Windows 7 installed and appears to be working without any issues. Just another item that convinces me they should have thrown out Win 8 and 10 and kept Win 7. Don't even want to talk about Win 11!

I will continue to work on the Linux version of Echolink. However, since the present system continues to work, I will probably just keep it

going. If it works, don't try to fix it. Very good advice.

70cm Repeater

The 70cm Repeater is working well. No issues. The Wires-X system on the repeater is working without a hitch. Coverage could be a little better and I would eventually like to add a receiver preamp to the system.

Steve, N8RLW, has a duplexer he would like to use in place of the mobile duplexers we are currently using. That may help on the receive part. So, we should wait and see about the receiver preamp.

Mesh Network

The Mesh Network continues to run flawlessly.

There are some things that need to be done. One of which is to get the PBX phone system back online. I took the phone system off because we needed a good computer to run Wires-X on the 70cm repeater. I have plans on getting the phone system back up using another computer.

Unfortunately, any progress that I could make on this has been put aside due to the issues with the 2 meter repeater.



The 2 meter repeater is in good hands with Roger and Steve working on it, so perhaps I can spend more time on the Mesh from here on out.

BREAKING NEWS!

With Roger (KE8ICI) and Steve (N8RLW) stepping up to work on both of the club's repeater systems, I have decided to take this opportunity to step down as the main Repeater Tech.

The problems over the past year or two has burned me out and I need a break from it all. We had a good run with the old repeater system, and I am proud of its near perfect operational record from 2002 until about 2020 or so.

I expect Roger and Steve to officially take over things once the new controller and Yaesu DR-1X is installed for the 2 meter repeater.

I will continue to run the Echolink system as well as the Mesh system. In fact, I plan on spending considerable time working on the mesh system.

I really believe that the Mesh Network could be very valuable to the ARES. Just need to finish off some projects on that end.

Barry (N8PPF) and I have been keeping the repeaters going for over twenty years. It is time to step aside and let fresh minds continue.

Hope to see you meeting night. 73

ROUTE 66 ON THE AIR SPECIAL EVENT

The annual Route 66 On the Air Special Event will take place September 10 - 18, 2022. The purpose of the event is to commemorate the history of the "Mother Road" connecting the east and west United States.

There will be 21 stations with 1x1 call signs on the air from Chicago, Illinois, to Santa Monica, California, all with consecutive calls starting with W6A and going through W6U.

This radio event is a way to allow amateur radio operators a fun way to "Relive the Ride." They also can relive their own memories of Route 66, and get to celebrate the highway's rich history in making the U.S. what it is today.

For more information visit the [Citrus Belt Amateur Radio Club webpage](#).



Miscellaneous Rambling

Terry Windsor
K18N



I just bought a new computer for amateur radio portable operations. It is an Evolve III Maestro E Book. They are only \$59.99 at Micro Center

in Columbus. I know it is not a powerful computer but it is working with all the radio software I need for portable operating.

It is taking some time to get used to the small keyboard and monitor (11.6") but so far it is doing what I require. Currently I have ALog, WSJT-X, JTAlert, Windows Office loaded on it. I am planning to add fldigi and Ham Radio Deluxe.

One nice thing about this E Book is that it runs on 12 VDC so I made a power cable with power poles so that I can charge it from my LifePO4 battery.

I am experimenting with a [Digirig](#) on my Icom 706 MKII to run digital modes and control the radio via the new E Book.

So far it has worked and I have made a few FT8 contacts using a portable HF antenna. It is nice



to control the radio via CAT commands allowing band changes, transmit commands, changing power and more.

The Digirig box is a sound card connected to the computer via a USB cable. Then there are two cables from the Digirig to the radio.

At the end of August I received my father-in-law's KX3 back from Elecraft after being repaired and checked out. I have just starting learning how this radio functions and going through the menus. Looking forward to trying it on a POTA activation.



Last month I stated I was looking forward to the Ohio QSO Party. However, Saturday morning after I had the radio, logging software, and antennas all set my care factor dropped like a rock. I just couldn't get in the right mind set to sit in the basement when I could see the sun shining bright outside. So I didn't work the QSO party until much later in the evening and even then I only played for about 90 minutes. Made a few other contesters happy giving them a new county multiplier.

Until next month, "Ham It Up!"

"This exercise will verify our ability to contact our NCS using both repeaters and via simplex." Terry (K18N)

September 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2 10:00 am Breakfast - Foundation Park, Park Na- tional Shelter	3
4 9:00 pm ARES Sunday Night Net —Don Russell (W8PEN)	5 Labor Day	6 OHDEN Net 7:45 pm	7 4:45 pm Dinner - Southside Diner	8	9 10:00 am Breakfast - Foundation Park, Park Na- tional Shelter	10 10:00 am OSPOTA Mohican State Park—North Shelter
11 Patriot Day 9:00 pm ARES Sunday Night Net—G. M. Jacobs (KE8HGE)	12 7 pm Monthly Meeting	13 OHDEN Net 7:45 pm	14 4:45 pm Dinner - Southside Diner	15	16 10:00 am Breakfast - Foundation Park, Park Na- tional Shelter	17 ARES Communi- cation Exercise. 9:00 am
18 9:00 pm ARES Sunday Night Net— Rog- er Gorrell (KE8ICI)	19	20 OHDEN Net 7:45 pm	21 4:45 pm Dinner - Southside Diner	22 First Day of Autumn 	23 10:00 am Breakfast - Foundation Park, Park Na- tional Shelter	24
25 9:00 pm ARES Sunday Night Net—Terry Windsor (KI8N)	26	27 OHDEN Net 7:45 pm	28 4:45 pm Dinner - Southside Diner		30 10:00 am Breakfast - Foundation Park, Park Na- tional Shelter	

Final Takeaway

Coil Inductance Calculator

This month I discovered a web page that gives information about calculating coils, wire gauge sizes and more regarding LC circuits. The web page is Coil 32; <https://coil32.net/design/contour.html>

I found the online calculators for building coils especially helpful. I have been contemplating building an antenna similar to a Wolf River Coil for portable use. The single-layer coil calculator was easy to use and provided results that I have found on other web pages as to how many windings, coil size and length.

Looking to build something similar to this coil on the left and the Wolf River Coil on the right for comparison.

I have the wire, PVC form, and connectors. Just need to buy a whip antenna, and find the ambition to actually get started.



What I hope to build

Wolf River Coil

General Exam Sample Test Questions:

G7A08 Which of the following is an advantage of a switchmode power supply as compared to a linear supply?

- A. High-frequency operation allows the use of smaller components
- B. Fewer circuit components are required
- C. Faster switching times makes higher output voltage possible
- D. All these choices are correct

G0B01 Which wire of wires in a four-conductor connection should be attached to fuses or circuit breakers in a device operated from a 240 VAC single phase source?

- A. Only the ground wire
- B. Only the two wires carrying voltage
- C. Only the neutral wire
- D. All wires

Extra Class Exam Sample Test Questions:

E2C03 From which of the following bands is amateur radio contesting generally excluded?

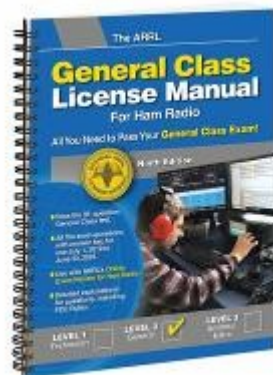
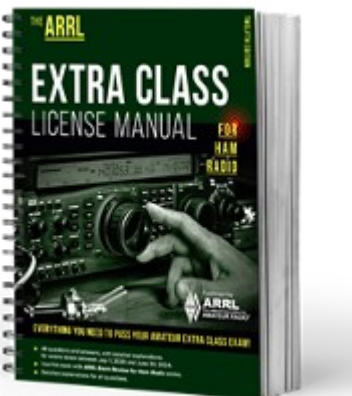
- A. 2 meters
- B. 33 centimeters
- C. 30 meters
- D. 6 meters

E2C05 What is the function of a DX QSL Manager?

- A. To relay calls to and from a DX station
- B. To allocate frequencies for DXpeditions
- C. To run a net to allow many stations to contact a rare DX station
- D. To handle the receiving and sending of confirmation cards for a DX station

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.qrz.com/hamtest/>

The ARRL license manuals shown are available from the ARRL or Amazon for license studying.



Miscellaneous Amateur Radio Information

Join us every Sunday night on the Mt. Vernon 146.79 repeater for our weekly **MVARC ARES Sunday Night 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 MHz at 10:30 am, 4:15 pm, and 6:45 pm daily.

Alternate Frequency for all sessions is 3.968 MHz.

[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 to handle traffic. COTN meets daily at 7:15 pm on 146.970, -.600 MHz, PL 123.0. Signal Operating Instructions and frequencies given here: <https://www.cotn.us/sop>

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>

“This worked well for about a year. At that time, the real culprit showed its ugly face. The antenna.” Don (W8PEN)



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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FROM	DATE	TIME	TO	DATE	TIME
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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

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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FCC and License Updates



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

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.

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](#)

INFORMATION ABOUT THE FCC APPLICATION FEE AND VEC FILED APPLICATIONS

1 - MAKE SURE EXAMINEES UNDERSTAND THEY MUST PAY WITHIN 10 DAYS.

Examinees do **NOT** have to wait for the email from the FCC to pay the fee. As soon as an the application file number is issued by the FCC, they can pay by logging into the CORES [Payer FRN System](#) or the CORES FRN Registration system ([CORES - Login](#)).

Application File Number search using an FRN: [FCC Application File Number Search](#)

CORES payment system background information and instructions: [Information](#).

CORES step-by-step payment instructions: [FCC Application Fee Instructions](#)

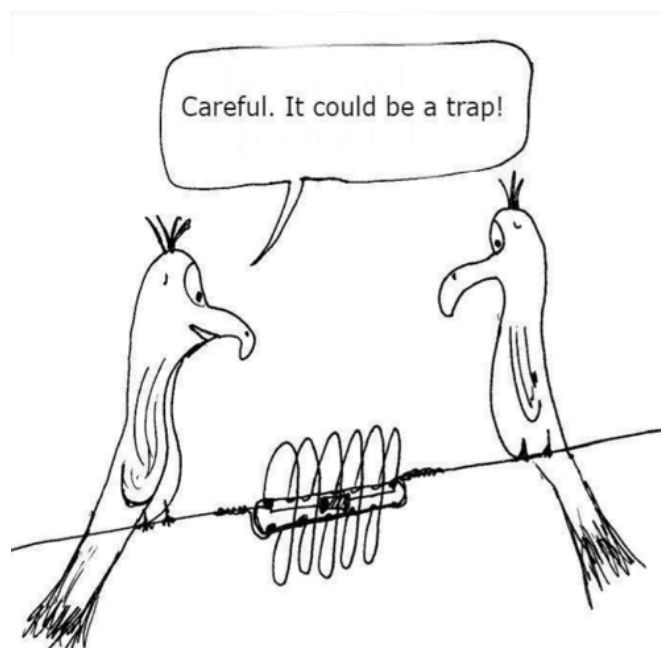
2 - The FCC help center stated there is a known issue with individuals paying the \$35 application fee via a smartphone or tablet. This is not a new issue, and they haven't been able to help troubleshoot the issue at the support center. **Encourage candidates to login and pay the FCC application fee from a computer.**

3 – Examinees should not amend any applications that a VEC submits on their behalf, especially **NEW** license applications. Amending VEC filed applications will cause the application to be **dismissed without action** in the FCC system and potentially require the applicant to pay another \$35 fee. If there is a minor mistake on the application, either call us and we can correct and resubmit the application, or the individual can pay the fee, be issued the call sign, and then log back in and make corrections.

4 - Individuals should review their application **BEFORE** paying the fee. If there is a major error on the application, such as the licensee's name or license class earned is incorrect, or the answer to the felony question is wrong, **DO NOT PAY** the fee. Call the VEC immediately.

5 - When in doubt, **call the VEC!** Even if you think you shouldn't bother us with your question, call us anyway.

6 - [FCC application fee](#) webpage for information and instructions.



FCC Legacy CORES System—Retired

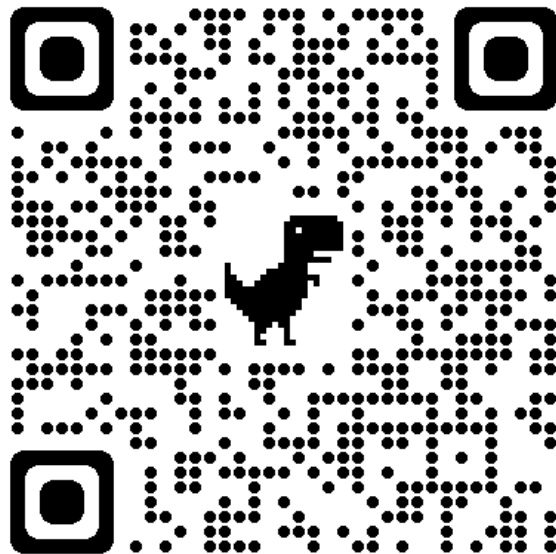
The Federal Communications Commission (FCC) retired the [Legacy version](#) of its COmmission REgistration System (CORES) on July 15, 2022. CORES is the FCC's public-facing database that enables and tracks certain types of FCC and FCC applicant actions, including amateur radio applications and licenses. Its implementation has enabled routine amateur applications and licenses to be issued overnight instead of over weeks, as was the case with earlier methods. ARRL The National Association for Amateur Radio® advises the amateur radio community to transition to the [updated version of CORES](#) as soon as possible.

In essence, CORES is designed to identify those who hold certain types of FCC licenses and FCC authorizations, including amateur licenses, and organize them in an easily accessible manner under a common FCC Registration Number (FRN) regardless of whether one holds a single such authority or thousands. The new CORES, in addition to assigning individual FRNs, allows holders of multiple FRNs to aggregate them under a single account where the licenses and authorization, fees and payments, and related actions can be administered from within the same account.

In effect, new CORES can be conceptualized as an electronic interactive file folder. The [updated version of CORES](#) has been available since 2016, and now its use will be mandatory for all amateur licensees when submitting amateur-related applications.

Starting on July 15, 2022, the Legacy CORES website will re-direct users to the [Commission's updated CORES](#) site. Although some functionalities in the old system will continue to work for a short time, the [FCC has urged all users](#) to transition to the updated CORES system to take advantage of its enhanced security and functionality.

Scan with your camera for CORES Registration System



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.



"I hope you are planning on attending **OSPOTA** this year ." Frank (KC8EVS)

MVARC

President

Frank Counts, KC8EVS

Vice President

Barry Butz, N8PPF

Secretary

Bill Stroud, KD8WHQ

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Terry Windsor, KI8N

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Steve Harvey, N8RLW

Scott Yonally, N8SY

Newsletter Editors

Frank Counts, KC8EVS

Terry Windsor, KI8N

Note

At this time the Friday morning breakfast is meeting at Ariel-Foundation Park in the Park National Bank large shelter. Since parking at the Academy Building is not closely available during weekday work times the group has temporarily decided to relocate to a meeting location that is easier for club members, guests, and visitors to access.

If you have any questions or comments please express them at the club meeting September 12.



Contact Us

MVARC

PO Box 372

Mount Vernon, OH
43050

Email

admin@mvarc.net

NOTICE:

Parking at the Academy Building.

The second floor of the Academy Building has been rented and we were notified the parking lot at the back and front of the building is part of renters lease agreements.

Therefore, this parking lot is no longer available for MVARC to use on any weekday during working times.

This does not affect monthly club meetings as they are held after business hours for the second floor lessee.



New Technician Class (Element 2) Question Pool took effect July 1, 2022.

Answers to sample test questions on page 11.

G7A08: A – High-frequency operation allows the use of smaller components

G0B01: B – Only the two wires carrying voltage

E2C03: C – 30 meters

E2C05: D – To handle the receiving and sending of confirmation cards for a DX station

Editors Notes



The MVARC Newsletter is delivered to club members only by email link to the MVARC webpage.

Thanks to all for your assistance with the MVARC Newsletter; in 2022 we were selected as the second best judged newsletter in the Ohio Section.

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.





*The American Radio Relay League, Inc.
Headquarters, Newington, Connecticut*

Ohio Section Newsletter Contest
Second Place

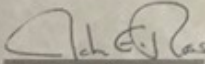
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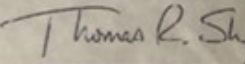
“Mount Vernon Amateur Radio Club”

*has been awarded Second Place in the
thirtieth Ohio Section Newsletter Contest.*

MOUNT VERNON AMATEUR RADIO CLUB
Editor: Terry Windsor, K1SN
Frank Counts, KC8EVS

Presented on 06 August 2022


John Ross, K8SIDJ
Ohio PIC & Contest Manager


Tom Sly, WB8LCD
Ohio Section Manager