

October 2021

2021 Edition 10



Mount Vernon Amateur Radio Club

Club Meetings

MVARC meeting is held on the 2nd Monday of each month at 7:00 pm.

The October meeting will be at 790 Fairgrounds Road.

MVARC Information

The next club meeting is October 11, 2021.

Visit us on Facebook:

Mount Vernon Amateur Radio Club

Visit our Webpage:

<https://MVARC.net>

Inside this issue

MVARC Information	1
President—Now For a Word! ..	2
Meeting Minutes.....	3
Radio Active	5
New MVARC Meeting Location .	8
New Meeting Location Map	9
Miscellaneous Rambling	11
Jumbled Thoughts	12
OSPOTA Photos	15
Amateur Radio Decals	16
Quick Updates.....	17
Sample Test Questions	19
Misc. Amateur Info.....	20
US Amateur Radio Bands	21
MVARC Calendar	22
Final Takeaway.....	23
MVARC Membership Form	24
Sample Test Question Answers .	25
Editors Notes.....	25

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

[Michael Jacobs, KE8HGE](#)

Vice President

[Greg Short, W8DOH](#)

Secretary / Treasurer

[Terry Windsor, KI8N](#)

Club Call Trustee

[Don Russell, W8PEN](#)

Equipment Trustee

[Barry Butz, N8PPF](#)

Directors

[Emery Bennett, W8TW](#)

[Barry Butz, N8PPF](#)

[Frank Counts, KC8EVS](#)

[Don Russell, W8PEN](#)

[Greg Short, W8DOH](#)

[Scott Yonally, N8SY](#)

Newsletter Editors

[Frank Counts, KC8EVS](#)

[Terry Windsor, KI8N](#)

MVARC President: And now for a Word!

G. Michael Jacobs KE8HGE



When it rains it pours. Earlier this year, we did not know where we would be holding meetings if COVID restrictions would become relaxed enough to allow them. With three months to go in the year, which can still be said, but for a completely different reason.

Several months ago, Terry Windsor (KI8N) and Emory Bennett (W8TW) arranged for us to use the Escape Zone on Mansfield Avenue as a new meeting place. A meeting room, kitchen, and space aplenty; an ideal location to reclaim what we once had at the Red Cross. We were able to meet there once before resurgent COVID issues prompted a move back to the Foundation Park. Last month, Arlin Bradford (KD8EVR) brought to us an offer from the Mount

Vernon Chaplains' Association to move into unused area in their new building, the administrative building formerly occupied by the Mount Vernon Academy. Arlin, Barry Butz, (N8PPF) and Emery went to look at it and were pleased with what they saw.

At their request, the October MVARC meeting will be at the former Academy Administration Building, located on the corner of Fairgrounds Road and Wooster Road (OH Route 3) north of Mount Vernon.

Arlin will be their about 6:30pm to open the building for us. I am anticipating a lot of discussion about the two locations, and we can take the time we need to sort out the pros and the cons of both locations. I believe the club is in a very good position to benefit from the opportunities that the work of Terry, Emery, and Arlin have given us.

“Volunteers are still needed— MVARC officers and directors for 2022 and net controllers for the Sunday night ARES net.”

Volunteers are still needed. We have a slate of officers to fill, although Terry has generously volunteered to remain as our Treasurer. We also will be filling some vacancies on the Board of Directors. And we are still looking for anyone interested in helping with the weekly Sunday Night ARES Net.

I am looking forward to seeing everyone at the meeting.

73

September Meeting Minutes

G. Michael Jacobs

KE8HGE



The MVARC meeting was called to order by G Michael Jacobs

(KE8HGE) at 7:00pm.

Reports / Minutes

The minutes of the previous meeting were accepted as presented in the MVARC Newsletter without objection.

Treasurer

The Treasurer was not present at the meeting, a report to include the previous month's information should be available at the next meeting (although we probably are up one cent in interest).

Repeater and Mesh Report (Don Russell W8PEN)

Don (W8PEN) said that the repeaters are running well. Not a lot has been done with

the MESH net, but we probably should see about incorporating it in some of our ARES work as the net is mature enough to where we should be able to do something with it.

Michael (KE8HGE) asked if a MESH antenna can kill plants. Consensus was that this was not possible unless the plant was a lot closer to the antenna and a lot more power was being transmitted.

Update on Wires-X: computer is loaded with the software and a firewall, just need to get the necessary port information for our internet access.

ARES (Bill Stroud KD8WHQ)

Bill (KD8WHQ) said that the first weekend in October is the annual SET (organized by the ARRL). Stan Broadway (N8BHL) wants us to man the county EOC (which would be problematic, per Mark Maxwell of Knox County EMA) to pass messages, and for us to go to different potential Red Cross set up locations. Bill will be out of town for a wedding that weekend, but can draw up a scenario for us to use. Black Swan Event is separate this year from the ARRL SET.

Old Business

Ohio State Parks on the Air follow up

Frank (KC8EVS) will work on the tally of contacts and have something in the next newsletter. Overall, it went well for us. We used Don's antenna and aside from some RF interference it was a good time for all who were there. (Apparently the weekend was also good for OSU Football fans.)

New Business

Nominations Committee

Terry (KI8N) offered to remain as Treasurer, but cannot make the meetings because of his teaching, so will not be able to stay as Secretary. Frank (KC8EVS) is in the process of contacting others to see if they would like to be renominated for their current positions and is otherwise accepting volunteers for offices. We also need Directors (four?) that are up for election this year.

Christmas Party

Start looking ahead for this. We need to get a location. In the past we've gone to Fiesta Mexicana Express, but after a remodel their group area is probably going to be too small for us. Points raised during the ensuing discussion included: Southside Diner is closed on Sunday and Monday, Bob Evan's might be able to do it but it would be cramped, Mazza's has the space but may not be in a good price range for some people, and the Escape Zone basketball court would be an option as a pot luck. Something to keep in mind for the next meeting.

Testing and Classes

Should we restart? We have the space now at the Escape Zone, but we would need some equipment. Michael (KE8HGE) volunteered to get a projector for the club to use. Testing is still possible at Foundation Park with advance notice and good weather; or at the Escape Zone. Study sessions would be dependent on COVID issues. There was a suggestion to do a demo session for the kids at the Escape Zone as a prelude to the next set of classes. This is something to be brought up at the next session. Ralph Hoffman (W8LFR) said that he had projector that he could let us use, once he makes sure it still works.

New Club HF Radio

The IC-7300 that we want to purchase for the club is now pretty much fully-funded. If the club needed to cover anything else, it would be minimal. Don moved to proceed with the purchase of the IC-7300 with the donated funds, with a second from Emery (W8TW). Arlin (KD8EVR) offered to cover any other expenses. Motion passed.

Another MVARC Meeting Location

Arlin Bradford (KD8EVR) said that the Mount Vernon Chaplains' Association is moving their operation to a building in Academia, formerly used by the Seventh Day Adventist Academy. They will be using the main floor of the building. They have offered us the use of the second floor, free of charge, for meetings or other events. A tower could probably be raised at the building, and there is plenty of space available. Interested parties should coordinate with Arlin (KD8EVR) on a "site inspection."

Social Activities

Wednesday; Dinner at SouthSide Restaurant at 4:45 pm.

Friday; Informal morning breakfast at Foundation Park at 10 AM. Meet at Park National Bank Pavilion.

Second Saturday Breakfast at the North Main Cafe at 9:00am

Meeting Adjourned

Chair entertained a motion to adjourn, which was offered by Bill (KD8WHQ) and seconded by Don (W8PEN) and without objection, the meeting was adjourned.



Radio Active

Don Russell
W8PEN



Icom 7300:

It is my pleasure to announce that the drive to provide money for the club to purchase an Icom IC-7300 was extremely successful.

During the September meeting final donations were being accepted and members of the club stepped forward. The goal was \$1,000. Total donations amounted to \$1,100. Very well done.

The extra money collected will go towards a Headphone/boom mic and a foot switch for push to talk. This will make a very effective Field Day Station as well as being a great addition to any other club event.

Thanks to club members who donated to this effort: Don Bunner (KC8QPO), Frank Counts (KC8EVS), Emery Bennett Sr (W8TW), Don Russell (W8PEN), Roger Gorrell (KE8ICI), Larry Howell (AC8YE), Ralph Bower (KC8REB), Richard Wetzel Jr (KE8AOA), and Terry Windsor (KI8N).

We also sold two donated generators that were added to the total donations.

My extreme apologies if I missed anyone that donated money to this cause. Please let me know and I will acknowledge you in the next newsletter.

The purchase of the IC-7300 gives the club a very nice arsenal of equipment for participating in Field Day without having to use members equipment. No more tearing a station down to enjoy the Clubs Field Day!



Along with the IC-7300, the club already has a Kenwood TS-570D. The TS-570D is a nice contest radio. I plan on getting a headset/boom mic and foot switch for this radio too. This gives us nice radios for two SSB stations.



Years ago, Michael Deane W8OIO gave me a nice Yaesu FT-900 to use as the CW station on Field Day. It is a nice radio and I used it several times. Until Michael wants this radio back, I am going to consider it a club donation and use it on Field Day for the CW station.



Field Day Antennas

Continuing the effort to provide (hopefully) a better Field Day experience for club members, I hope to gather up at least three antennas the club can use rather than relying on members to bring an antenna. This goes along with my strategy of members not having to tear down their stations to provide necessary items for Field Day.

Since the 80-10 meter Off Center Fed antenna seems to work so well for the CW station, I thought we could build a couple Off Center Fed antennas for the SSB stations. Actually, three Off Center Fed antennas. One for each Field Day station.

First, I checked prices for commercially made off center fed antennas. Prices ranged from \$100 - \$200. A bit much for the club. So, I priced the cost of building three off center fed antennas.

500 Feet #14 Stranded wire:	\$74
3- 1 KW Balun Kits:	\$36
3 Boxes for the Baluns	\$30
6 end insulators:	\$10
Misc. Hardware:	\$20
Total for 3 antennas:	\$170

I have already built one antenna as a test. We used it during the Ohio Parks on the air event and it seemed to work fine.

If a club member has some used wire laying around, the cost would be much lower.

I also looked at E-Bay. There are 80 – 10 meter Off Center Fed antennas on E-Bay for around \$80. Wonder if they work?

Ubuntu Linux

My switch to Linux continues. I have been

using Ubuntu Linux for the last two months and as things stand now, I will not be going back to Windows any time soon.

I did, however, make a few changes. I decided to create a dual boot system with my computer to make it easier on me when I really needed to use Windows 10 for some reason. This created a small problem in that I had to remove the recently installed Ubuntu Linux from my computer so I could re-install Windows 10. This went smoothly with no problems. Then I reinstalled Ubuntu Linux, specifying that I wanted to install it alongside Windows 10.

So far, this is working extremely well. When I boot the computer, I am given a menu choice to select Ubuntu Linux or Windows 10. If I do nothing, Ubuntu Linux will install. If I choose Windows 10, then Windows installs. If I put the computer to sleep by closing the lid, then when I open the lid, whichever operating system was last used pops up on the screen.

I have had problems with this setup in the past, but so far, I have had no issues and I have been running dual boot for about a month.

Setting up for dual boot is easy once you burn your Ubuntu Linux install DVD. Simply boot the DVD and let it load Ubuntu Linux. Then you are given a choice to either install Ubuntu Linux as the only operating system or install Ubuntu Linux alongside Windows 10 (or whatever version of windows you are using). Be sure to back up all your windows files before doing this. Computers tend to do the unexpected and you can easily loose files with any type of operation like this.

If you decide you like Ubuntu, then you have the option to install it. Again, you can install Ubuntu and completely remove Windows, or you can install Ubuntu as the only operating system. Use caution here. Make sure you back up all your important files from Windows before you install Ubuntu. This is regardless of whether your dual boot or not. Windows 10 especially does not like to be dual booted. Earlier versions of Windows (XP, 7, 8, etc.) seem to have no problem with it. Even so, if you are new to Linux, I would suggest installing Ubuntu as a dual boot system with Windows.

The biggest problem I had with dual booting was that Windows 10 does not like it (of course). I have found that with just about every Windows upgrade, Windows will remove the dual boot option. Ways to fix this can be found with a Google or Yahoo search. Perhaps I will cover this in another article.

So, after saving all my files from Windows 10, I proceeded with the full install of Ubuntu Linux. A bit scary, but I did it anyway.

Installation went smoothly and in about 15 minutes, I was up and running on Linux. Below is a look at my desktop.

The desktop is like Windows 10, so it is easy to adjust to it.

In the first picture, there are shortcuts to commonly used programs. From top to bottom we have Firefox Web browser, Thunderbird Email Client, Computer Files access, Rhythmbox media player, LibreOffice Writer,

Ubuntu Software Center, and Help.

Repeaters and Mesh Networks

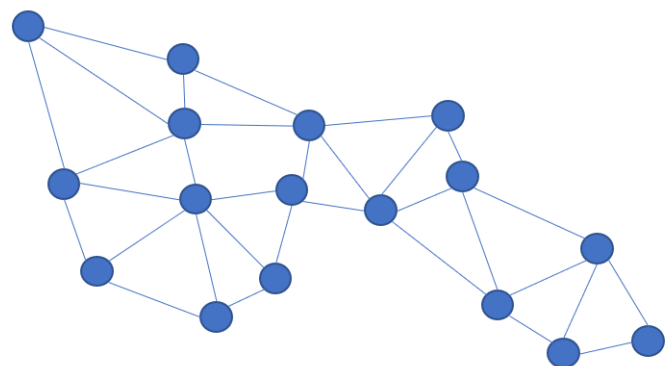
All seems to be well in the world of repeaters. There have been no significant issues with either of the clubs repeaters.

The Mesh continues to chug along with no actual use. We really need to get the node at Centerburg up and running. I am beginning to wonder if all this has been worth the effort.

It has been fun setting things up. All the nodes seem to be very reliable. But we really need to find a use for the mesh network other than me playing around with it.

I will be emailing the main club members interested in this project and see if we can't get some renewed interest in the project.

That's it for now. See everyone at the October meeting.



Mesh Network

“All the nodes seem to be very reliable. But we really need to find a use for the mesh network.”

A New Meeting Place

Barry Butz
N8PPF



A new meeting place has been found for our club meetings and other needs. It is at **790 Fairgrounds Road (NOTE: Google Maps lists this address as both 790 and 2 Fairgrounds Road.)** at the corner of Wooster Road. See map on next page.

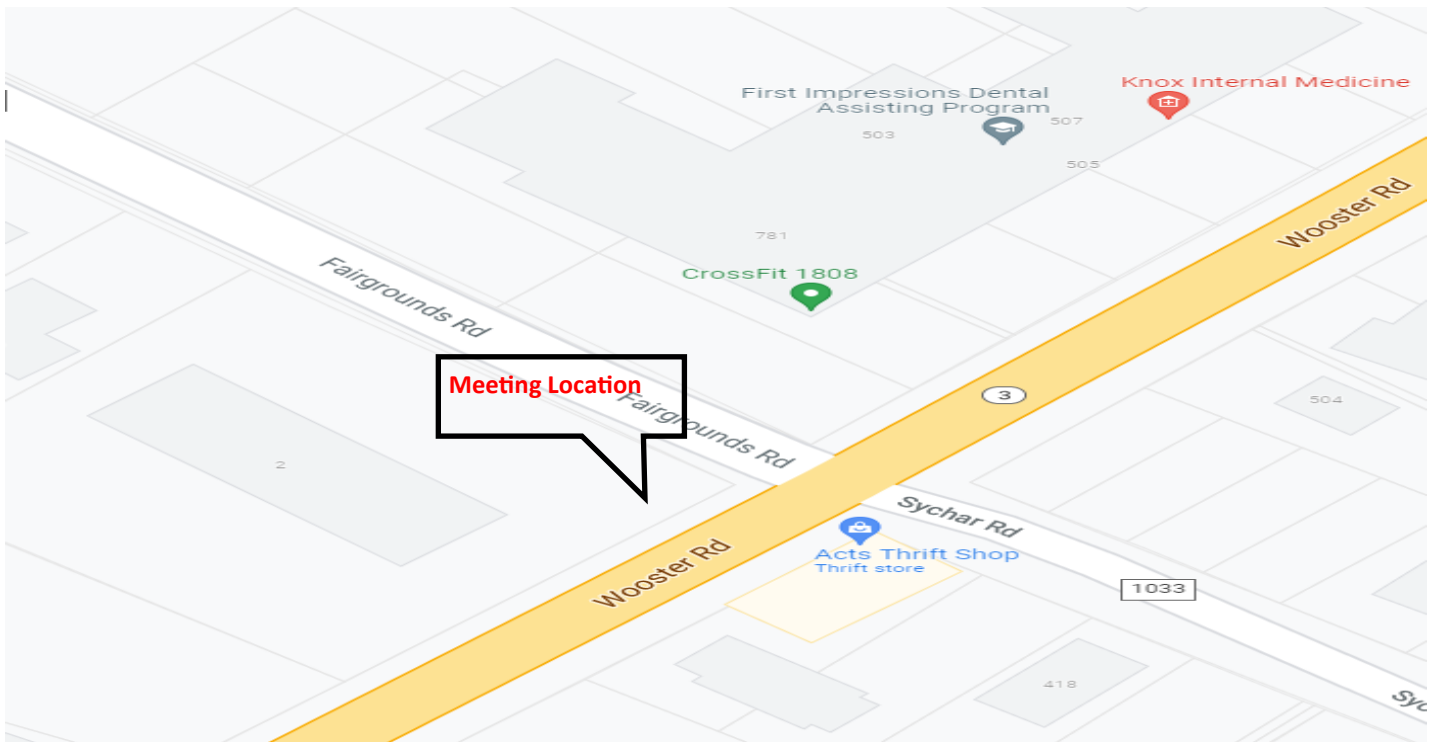
This will better serve our needs by providing a spacious meeting room, radio operating room, storeroom, and kitchen. Entrance is more accessible.

Our October 11 meeting will be held there at 7PM. Arlin will open up at 6:30 so you can explore early. The entrance is at the rear of the building and the meeting room is on the top floor which is only 1½ stories from the rear entrance. There is parking front and rear. Here a



picture of the front of the building and inside. See you there.





Jim Jennessee (KD8UT) SK

Dana wants all to know that Jesus called Jim to his eternal home in heaven Tuesday night 10/05/2021 while Jim was sleeping peacefully. Jim and Dana have walked together, in love, through this 17 month ordeal through the strength and grace that only God supplies. In spite of the brain cancer, God blessed Jim with many good days - frequently surrounded by his children and grandchildren. Jim served faithfully and wisely as a Deacon of our church for a number of years - there is additional reward for him in heaven because of his service to the body. Please continue to uphold Dana and the family in prayer during this difficult time. Further information regarding their plans will be forthcoming

Jim's Graveside Service, Thursday October 7, 11:00 AM at the Kirkersville Cemetery, 499 E. Main Street, Kirkersville, Ohio.

Following the service, there will be a luncheon in Jim's honor, to which members of MVARC are invited, at the Tri-Village Christian Church, 7509 Broad Street SW, Pataskala, OH.

Jim was a member and past president of Mount Vernon Amateur Radio club and we take this time to remember him fondly and may he rest in peace.

MVARC Meeting Location



Please note
Location
Change:

The location for October's meeting is at the building located at

790 Fairgrounds Rd.

“Since the 80-10 meter Off Center Fed antenna seems to work so well for the CW station, I thought we could build three Off Center Fed antennas. One for each Field Day station.” W8PEN

Miscellaneous Rambling

Terry Windsor K18N



Not much to add this month, I am still teaching at the Knox Technical Center and will not be able to attend Monday meetings for the next several months. I will ensure the Financial Report is sent to the Club President so it can be

reviewed at all meetings. Miss attending but hope to be back next summer.

Due to my not being available for upcoming meetings I have let the Directors know that I will not be continuing as MVARC Secretary in 2022.

OSPOTA was a good time. I also used this time to activate Mohican State Park (K-1977) for Parks On The Air (POTA). I made 42 contacts. However, I was the cause of the RF digital interference that was noted in the Monthly Meeting minutes.

Yearly Dues

Membership Dues for 2022 are coming up and due by the end of the year. Attached on page 24 is the membership form which should be included with your payment.

IC-7300

With the clubs purchase on an IC-7300 those that are planning to operate it at any MVARC event should be familiar with its operation. So here is a link to Icom and the IC-7300 Basic Instruction Manual; <https://www.icomjapan.com/support/manual/2272/>.

Until next month "Ham It UP!"



2022

OFFICER NOMINATIONS NOW OPEN

The following positions are to be filled:

President
Vice President
Secretary
Treasurer

Jumbled Thoughts from KC8EVS

Frank Counts
KC8EVS



Ohio State Parks on the Air—2021

Here's a view of the North Shelter House at Mohican State Park.

As you can see it is a beautiful place to set up and the weather was great. The antenna that we were using is overhead and the feed line was coming down close to the picnic tables there to the left. Terry also set up a station using an end fed antenna just to the right of the shelter house in

the parking lot.



The antenna we used was an OCF 80 meter dipole up as high as we could get it. I did not get a picture of Terry's set up: (Note: This is the OCF antenna Don (WPEN) describes building for upcoming Field Days.)

Unfortunately, we did not have a sling shot (K18N) so Don W8PEN, an expert with a spinning rod, was able to get the support lines up in the trees.



Here are Michael (KE8HGE) and Roger (KE8ICI) in the control positions. We made a total of 26 total contacts, which is not bad for us. I got the log submitted just in time. It took some work to get it in the correct format, I did finally, after several tries. Next time it won't be as hard.



Thanks to all who participated:

- Michael Jacobs: KE8HGE
- Tom Evans: KD8HSA
- Emery Bennett: W8TW
- Scott Kuhar: K8SSK
- Roger Gorrell: KE8ICI
- Don Brunner: KB8QPO
- Terry Windsor: KI8N
- Frank Counts: KC8EVS
- Don Russell: W8PEN
- Barry Butz: N8PPF
- Emery Bennett JR: KD8UEP

More Photos from Ohio State Parks On the Air at Mohican State Park



Photos on this page
taken by Michael;
KE8HGE

Amateur Radio Vinyl Decals

Nichole Adessa, N8OVE

My dad, Emery, W8TW had asked me to come up with a decal design for MVARC: I make vinyl decals. I made up two separate designs. 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.



“The above is simply my opinion. For what it is worth.”

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**, 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. 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.

Hamfests

The ARRL Great Lakes Division Convention being hosted by the 10th Annual Vette City Hamfest in Bowling Green, KY was cancelled in early March due to concerns regarding Covid-19.

However, the 10/31/2021 **Massillon (Ohio) Hamfest** is still scheduled in Green, OH. Information can be found at the following; <http://w8np.org/hamfest.htm>

FCC Application Fees Unlikely to Go into Effect Until 2022



08/16/2021

The schedule of FCC amateur radio application fees likely will not go into effect before 2022. FCC

staff confirmed during a recent virtual meeting with Volunteer Examiner Coordinators (VECs) that the agency is still working on the necessary changes to the Universal Licensing System (ULS) software and other processes and procedures that must be in place before it starts collecting fees from amateur applicants. Earlier this year, the FCC said it would not start collecting fees from amateur applicants before this summer. The new estimate is that the fees won't go into effect until early next year.

Once it's effective, the \$35 application fee will apply to new, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications. All fees will be per application. Administrative update applications, such as those to change a licensee's name, mailing, or email address, will be exempt from fees. ARRL VEC manager Maria Somma, AB1FM, said Volunteer Examiner (VE) teams will not face the burden of collecting the \$35 fee.

"Once the FCC application fee takes effect, new and upgrade applicants will pay the exam session fee to the VE team as usual, but they'll pay the \$35 application fee directly to the FCC using the [FCC Pay Fees](#) system," she explained. When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 days from the date of the email to pay.

After the fee is paid and the FCC has processed an application, examinees will receive

a second email from the FCC with a link to their official license. The link will be good for 30 days. Licensees also will be able to view, download, and print official license copies by logging into their FCC ULS account. The FCC no longer provides printed licenses.

Licensees can log into the [ULS](#) with their 10-digit FRN (FCC Registration Number) and password at any time to view and manage their license and application, [print their license](#), and update anything in their FCC license record, including adding an email address.

FEE SCHEDULE

INDIVIDUALS

\$35 FEE: New, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications. All fees will be per application.

NO FEE: Administrative updates, such as a change of name, mailing or email address, or license cancellation.

AMATEUR RADIO CLUBS

\$35 FEE: New, renewal, trustee change, and vanity call sign applications. All fees will be per application.

NO FEE: Administrative updates, such as a change of name, mailing or email address, or license cancellation.

General Exam Sample Test Questions:

G1B04 Which of the following amateur bands is restricted to communication only on specific channels, rather than frequency ranges?

- A. 12 Meters
- B. 30 Meters
- C. 60 Meters
- D. 11 Meters

G1B05 Which of the following frequencies is in the General class portion of the 40-meter band in ITU Region 2?

- A. 40.500 MHz
- B. 7.250 MHz
- C. 7.500 MHz
- D. 40.200 MHz

Extra Class Exam Sample Test Questions:

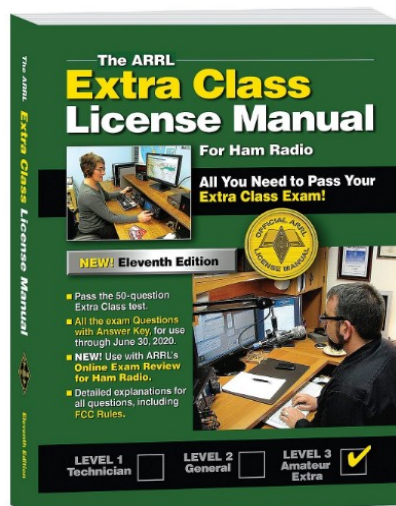
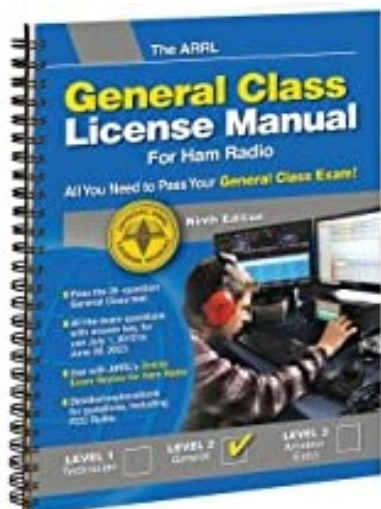
E1B05 What is the National Radio Quiet Zone?

- A. An area in New Mexico surrounding the White Sands Test Area
- B. An area in Puerto Rico surrounding the Arecibo Radio Telescope
- C. An area in Florida surrounding Cape Canaveral
- D. An area surrounding the National Radio Astronomy Observatory

E1B06 Which of the following additional rules apply if you are installing an amateur station antenna at a site at near a public use airport?

- A. You must obtain a construction permit from the airport zoning authority
- B. You may have to notify the Federal Aviation Administration and register it with the FCC as required by Part 17 of the FCC rules
- C. You must submit engineering drawings to the FAA
- D. You must file an Environmental Impact Statement with the EPA before construction begins

These test questions are from the current test pools for their respective license classes. How did you do? The answers are on Page 25. Practice tests for all license classes can be found here: <https://www.grz.com/hamtest/> The books shown below 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

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

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 a.m., 4:15 p.m. and 6:15 p.m. daily. Alternate Frequency for all sessions is 3.968 KHZ

<http://www.cotn.us/>

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>

The ARRL Ohio Section calendar:

<https://arrl-ohio.org/g-calendar/default.html>

US Amateur Radio Bands



US Amateur Radio Bands

Operator license classes: **E** = Amateur Extra **A** = Advanced **G** = General **T** = Technician **N** = Novice
 CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).

■ = RTTY, data, phone, image
 ■ = USB phone, RTTY, data and CW
 ■ = RTTY and data
 ■ = phone and image
■ = SSB phone
 [W] = CW only

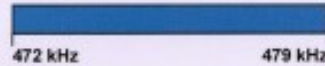
LF – Low Frequency band

2200 Meters (135 kHz) E,A,G
 1 W EIRP maximum

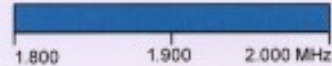


MF – Medium Frequency bands

630 Meters (472 kHz) E,A,G
 5 W EIRP max, except in Alaska within 496 miles of Russia where the limit is 1 W EIRP



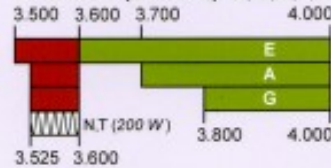
160 Meters (1.8 MHz) E,A,G



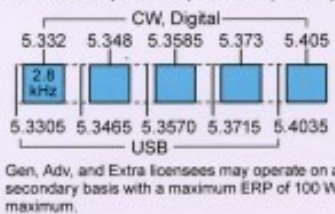
Amateurs wishing to operate on 2200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

HF – High Frequency bands

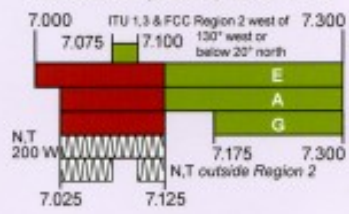
80 Meters (3.5 MHz) E,A,G,T,N



60 Meters (5.3 MHz) E, A, G (100 W)



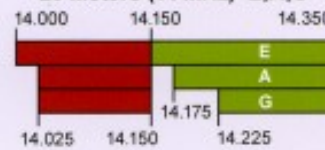
40 Meters (7 MHz) E,A,G,T,N



30 Meters (10.1 MHz) E,A,G



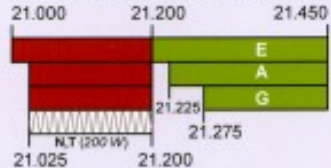
20 Meters (14 MHz) E,A,G



17 Meters (18 MHz) E,A,G



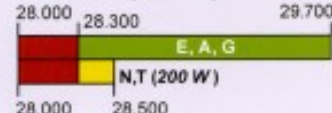
15 Meters (21 MHz) E,A,G,T,N



12 Meters (24 MHz) E,A,G



10 Meters (28 MHz) E,A,G,T,N



VHF – Very High Frequency bands

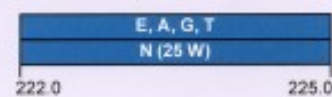
6 Meters (50 MHz) E,A,G,T



2 Meters (144 MHz) E,A,G,T

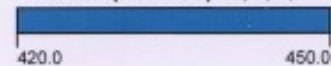


1.25 Meters (222 MHz) E,A,G,T,N



UHF – Ultra High Frequency bands

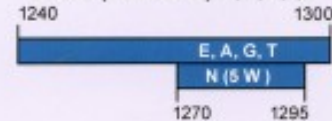
70 cm (420 MHz) E,A,G,T



33 cm (902 MHz) E,A,G,T



23 cm (1240 MHz) E,A,G,T,N



SHF&EHF – Super and Extremely High Frequency bands

All licensees except Novices are authorized all modes on the following frequencies:
 2300-2310 MHz 3300-3500 MHz 10.0-10.5 GHz 47.0-47.2 GHz 122.25-123.0 GHz 241-250 GHz
 2390-2450 MHz 5650-5825 MHz 24.0-24.25 GHz 76.0-81.0 GHz 134-141 GHz All above 275 GHz

See www.rrl.org/and-plan for detailed band plans.

Copyright © ARRL 2020
 OTAbands rev. 1-22-20

October 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	2
3 9:00 PM ARES Sunday Night Net	4	5	6 4:45 PM Dinner at Southside Diner	7	8 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	9 10:00 AM Breakfast @ North Main Cafe
10 9:00 PM ARES Sunday Night Net	11 7 PM Monthly Meeting 790 Fairgrounds Rd.	12	13 4:45 PM Dinner at Southside Diner	14	15 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	16
17 9:00 PM ARES Sunday Night Net	18	19	20 4:45 PM Dinner at Southside Diner	21	22 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	23
24 / 31 9:00 PM ARES Sunday Night Net	25	26	27 4:45 PM Dinner at Southside Diner	28	29 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	30

Final Takeaway

Azimuthal Map

I discovered a great web page for plotting an azimuth angle map that is great for knowing where to point a beam antenna. NS6T has made available a table that you enter your location and then select "Create Map" to get an azimuthal map.

The web page is: <https://ns6t.net/azimuth/azimuth.html?fbclid=IwARONrqyljjGv4eqreUm2TR23GC6gOvrrYiPw-0vH0cz-V3D8epchtqyhqM>

I used my 6 character Grid Square to plot a map of the U.S. and then another map showing the U.S., Europe, and South America. These maps make it very convenient to aim the antenna for making contacts.

Title:

Location: (help) Label countries:

Distance: (help) Label NA states:

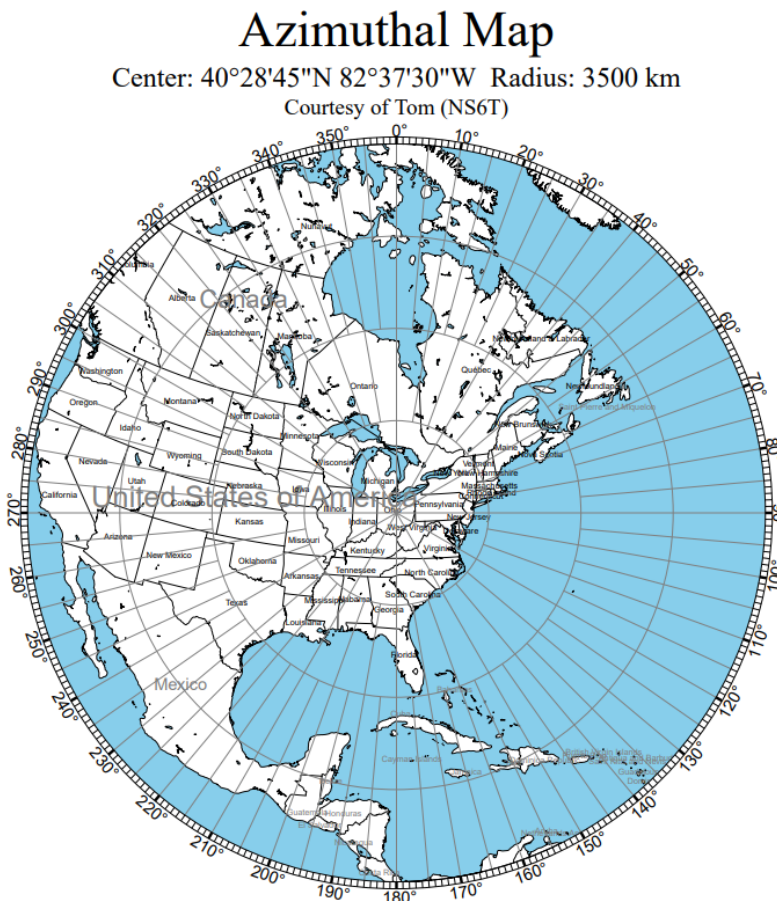
Paper: Label cities:

Black & white: Blue background:

Lat/long grid: View in browser:

Label grids:

Generating maps takes up to 30 seconds.



MVARC Membership Form

Club dues run from January 1 to December 31 and are collected the last quarter of the year. You can mail your dues to the address shown below, bring them to a meeting, or give them to any club officer. Visit our web page at www.mvarc.net for further club information.

Regular membership dues are \$20.00. Dues are \$15.00 for those over 65 years of age and additional members in the same family.

Mount Vernon Amateur Radio Club PO Box 372 Mount Vernon, Ohio 43050

Name: _____ Call Sign: _____

Street or PO Box: _____

City: _____ State: _____ Zip: _____

Phone: _____ License Class: _____

Email Address: _____

ARRL Member (Y/N): _____ Donation (Optional) _____

Suggestions for possible meeting programs:

Answers to sample test questions on page 19.

G1B04: C – 60 meters

G1B05: B – 7.250 MHz

E1B05: D – An area surrounding the National Radio Astronomy Observatory

E1B06: B – You may have to notify the Federal Aviation Administration and register it with the FCC as required by Part 17 of the FCC rules

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 would really like 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.

