

September 2021

2021 Edition 9



# Mount Vernon Amateur Radio Club

## Club Meetings

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

**The September meeting will be at Ariel Foundation Park inside the Park National Bank Pavilion.**

## MVARC Information

The next club meeting is September 13, 2021.

[Visit us on Facebook:](#)

Mount Vernon Amateur Radio Club

[Visit our Webpage:](#)

<https://MVARC.net>

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### MVARC Repeaters

K8EEN VHF Repeater  
146.790 MHz  
- 600KHz / PL = 71.9 Hz

K8EEN-R Echolink Node:  
809800

K8EEN UHF Repeater  
444.600 MHz  
+5 MHz / PL = 71.9 Hz

## Contact Us

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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



COVID-19, like a (very) bad penny, is back. Due to concerns about the increasing rate of COVID-19 cases, our next meeting will be back at Ariel Foundation Park. We will be at the large shelter on the north side of the lakes. Dress warmly, as it is starting to get cooler in the evenings.

This reemergence of COVID-19 does affect our future plans. I hope, however, that it doesn't affect our participation in the **Ohio State Parks on the Air** event scheduled for the Saturday after Labor Day (September 11). This event is still set to take place (as far as I know at the time, I am re-writing this) and I do encourage all of those who want to participate to attend. We will be setting up at the North Shelter of Mohican State Park.

The shelter is spacious and there are LOTS of trees in which to string antennas. There are also several public-use grills for those that want something hot for lunch. The event starts at 10:00am with setup starting about an hour or so before, and we generally are active until about 3 - 4:00 pm although the event lasts until 6:00pm.

I believe we should be looking at plans for this year's Christmas Party. While I have no idea what public gathering restrictions might look like in 3 months, I would much rather have to cancel a reservation made before any restrictions are put into place rather than try to scramble at the last minute to make one after any restrictions might be lifted or eased. Our group-dining options in Mount Vernon have always been limited. In the past, we have had Christmas at Fiesta Mexicana Express on Coshocton Avenue, but this may not be (and probably isn't) to everyone's liking. If you want to offer an alternative to Fiesta Mexicana Express, please bring that suggestion to

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*“The emergence of Covid-19 does affect our future plans.”*

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our meeting. If you can, also have a ballpark on the size of group that your suggested location can accommodate and an idea on what a meal might run, whether off-the-menu or as a part of a buffet setup. The more information we have and the sooner we can have it, the better our chances of a coming up with an option that more people might enjoy.

Finally, the possibility of restarting classes has been stirring. The Escape Zone offers a good opportunity and location for this, although I think some additional equipment may be necessary (depending on what may already be available there) before we can start. If COVID-19 concerns are keeping us from using the Escape Zone, I am not sure how classes and testing might proceed there, but it something worth discussing.

Some food for thought for our next meeting. Bon Appetit. 73

## August Meeting Minutes

### Terry Windsor KI8N



The MVARC meeting held at the Escape Zone was called to order by G Michael Jacobs (KE8HGE) at 7:00pm. There were 16 mem-

bers present.

### Reports / Minutes

The minutes of the previous meeting were accepted as presented in the MVARC News-

letter without objection.

### Treasurer

The Treasurer's report for August 2021, was accepted without objection. Copies of the monthly report are available from the Treasurer upon request.

### Repeater and Mesh Report (Don Russell W8PEN)

Don (W8PEN) stated the 146.79 MHz and 444.6 MHz repeaters are working without issues. Michael has the Wires-X equipment for the 440 repeater and is working on the integration.

The Mesh system is working and Don has contacted Matt in Centerburg about getting that node up and operating.

### ARES (Bill Stroud KD8WHQ)

Bill (KD8WHQ) reminded everyone of the test of the Emergency Activation System on August 11.

Black Swan 21 is scheduled for the first full weekend in October. The description is on page 10 of the PostScript August 9th Edition. <https://arri-ohio.org/news/2021/ps-08-09-21.pdf>

### Old Business

#### New Meeting Location

First meeting at the Escape Zone. Thanks to Emory, Frank, and Terry.

## OSPOTA

Mohican State Park North Shelter is reserved for MVARC to use during Ohio State Parks On The Air event September 11. The event starts at 10 AM.

## **New Business**

### Water Tower Lease

The water tower lease for the 146.79 repeater has expired. We need to follow up with the Mount Vernon Safety Service Director to renew.

### Escape Zone

Rick (KE8AOA) discussed how important it is for MVARC to donate to the Escape Zone, be involved in Escape Zone activities, and helping the children that attend. He talked about the importance of getting them interested in trades, technology, and activities which could be learned through involvement in amateur radio.

We also talked about how individual members can donate their time or financial resources to assist at the Escape Zone. If interested please contact Terry Walters at: mtwalter6@yahoo.com

### MVARC Web Page (Scott Yonally N8SY)

The past newsletters have been moved to the Archived Newsletters site under the Secured Area Members Only page on MVARC.net. Currently the 2018 through 2021 newsletters are available.

If you are not registered for the Member Pages section of the web page go to mvarc.net, click on the blue button labeled Member Pages and there is a "To Register" button. Complete the required information and if you are approved you will be granted access.

### New Club HF Radio

Don (W8PEN) has started looking into getting a new or slightly used HF radio for the club. This radio would be set up for member use and for another radio at future Field Day Operations. Don is looking at selling some donated equipment and member donations to fund this project.

## **Social Activities**

Michael stated the following social activities occur every week;

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.

## **Meeting Adjourned**

Meeting adjourned at 7:40PM.



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*Call for nominations for officers for 2022. \*\*\* "I've served in most of the positions at one time or another and if I can do it anyone can." KC8EVS*

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**Don Russell**  
**W8PEN**

**Attention MVARC members:**



The club is trying to round up enough money to buy a new Icom IC-7300 transceiver. This is an update, as we were looking for a used transceiver in good condition. I suggested to

the Board of Directors that perhaps we should go ahead and buy a new radio that everyone can become familiar with.

The intended use of this radio will be as one of the SSB stations for Field Day.

Succeeding in buy an IC-7300 for Field Day will give us two good transceivers to use on our two HF stations: The new IC-7300, and the clubs Kenwood TS-570D. I believe both transceivers are "contest worthy".

My thought is that if we get an extra radio, no one will have to bring their own radio to operate Field Day. Everyone should be comfortable using the clubs' radios.

Buying an IC-7300 will give us a modern radio to use when demonstrating ham radio to the public. Currently, we have been asked to do demonstrations for the kids at the Escape Zone.

I have been busy this month collecting donations and trying to sell stuff. So far, the club has sold the Diesel Generator that was donated a few years ago and collected some donations from club members. The Board of Directors approved the idea of using this money for the IC-7300.

**Totals so far:**

Sale of Generator: \$300

Member Donations: \$450

**Total: \$750**

We still need \$250 - \$350 to buy the radio.

With that said, I have two generators for sale:

5,000 Watt Troy built generator. Runs fine. 1- 220VAC outlet and 2-120VAC outlet. Asking \$400 for it. Money will go to the club for the IC-7300

2200-Watt Coleman Powermate generator. This should be considered a Mechanics special. Seems to run fine, but bogs down under about a 1,000-watt load. I played with it a little and have it set for 126 volts no load and 115 volts under a load of about 1100 watts. Asking \$50 for it because it would need some work. Again, money from this generator will be donated to the club.

Anyone wishing to donate money towards this project, please contact me.

Thanks, and see you all at the September meeting.

## Radio Active

**Don Russell**

**W8PEN**



I waited a week or so considering my comments on switching from Windows 10 to Linux. I had done this a few times and always went back to Windows for various reasons. However, Ubuntu Linux has come a long way since the last time I tried. Perhaps it was time to give Ubuntu another chance.

I did not want to dual boot Windows and Linux mainly due to the limited disk space on my computer. A concern was if I installed Ubuntu Linux without dual booting, would I be able to recover Windows if I needed to. I have tried backing up windows with the Windows 10 backup software but that never seemed to work like it should. So, I decided that I would install Ubuntu Linux on my computer as the only operating system. The way I understand it, the Windows register code is built into every computer that has Windows 10 installed. So theoretically, I should be able to download a copy of Windows 10 and install it on my computer if I decide to scrap Linux. So (drum roll) I decided to proceed with installing Ubuntu Linux.

First, I went to the Ubuntu Linux page where I found the latest version of Ubuntu (Ver 20.04.3 and supported through at least 2025). Downloading was a piece of cake. You download an ISO image file and then burn this file to a DVD. It is possible to put this file on a USB drive, but it is more complicated. I stuck with the DVD.

You burn the ISO to disk simply by selecting the file from the download section of Windows File Explorer. Then clicking “Burn to Disk”. This procedure may vary between versions of Windows, but in the end, you should have a bootable DVD with the Ubuntu Linux installation files on it.

Now it is simply a matter of inserting the DVD into your Windows DVD drive and restarting Windows. Most computers try to boot to DVD first when starting. If yours is not set up that way, you will have to change BIOS settings on your computer. Since this technique differ between computer brands, I will not cover it in this article. But a Google or Yahoo search for “booting from DVD” for you specific computer should yield instructions.

After booting to Ubuntu Linux via the recently burned DVD you will have a decision to make: Try out Ubuntu by taking it for a test drive or go ahead and install Ubuntu. Obviously, if you are new to Linux, you want to test drive it first. This test drive does not damage to your Windows system. Ubuntu is run directly from the DVD and nothing on your hard drive is changed. You can surf the Web, play with Libre Office, or check out any other software installed. You cannot, however, save any files. This means once you shut down Ubuntu, any changes that you made disappears.



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.

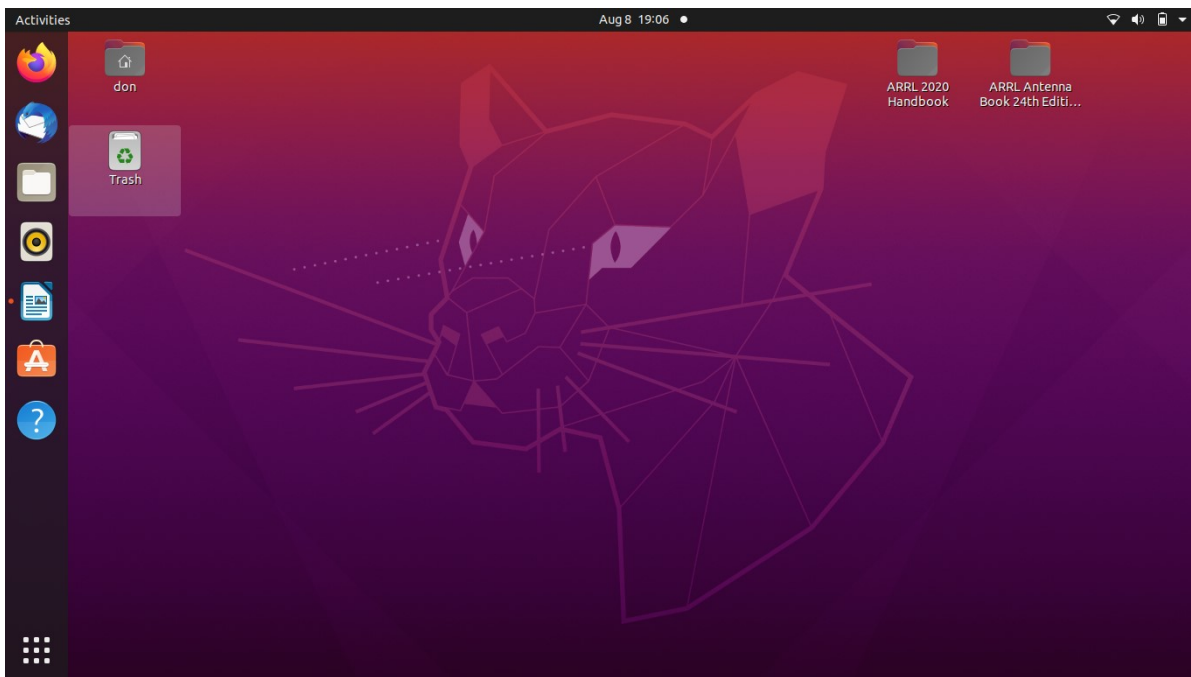
The biggest problem I had with dual booting was that Windows 10 does not like it (of course). I have found that with just about every Windows upgrade, Windows will remove the dual boot option. Ways to fix this can be found with a Google or Yahoo search. Perhaps I will cover this in another article.

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.

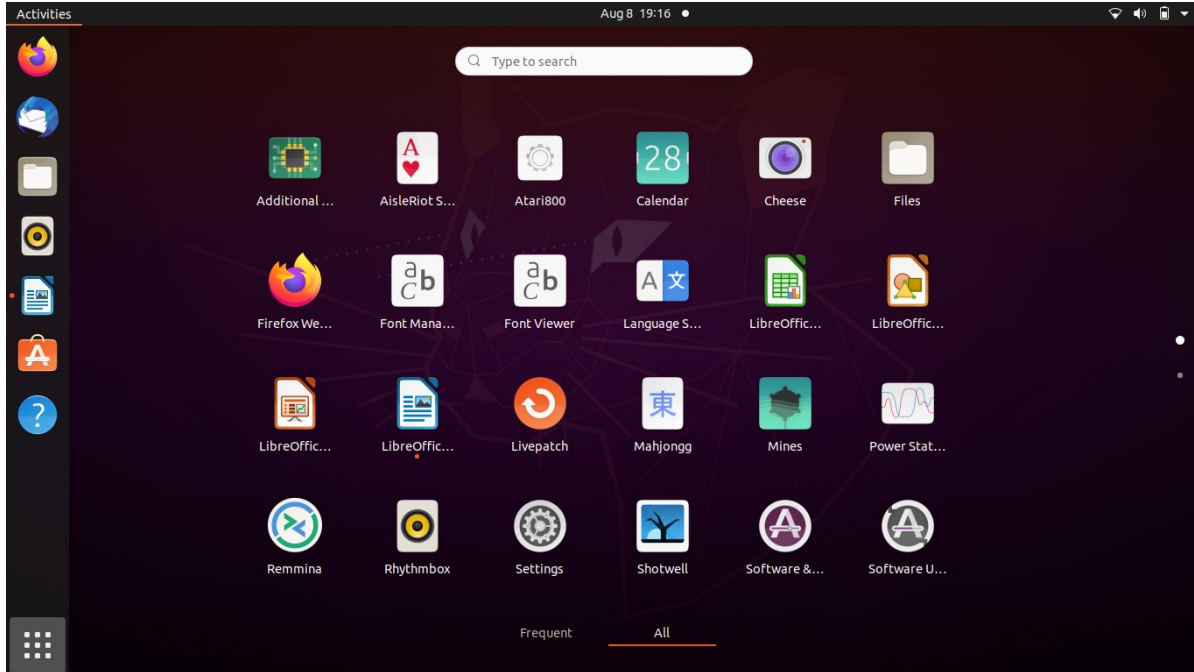
Installation went smoothly and in about 15 minutes, I was up and running on Linux. Below is a look at my desktop.

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



By clicking the bottom left button, you get the second picture. This shows many of the programs installed on your copy of Ubuntu. You can also do a search to quickly find the program you are looking for.



I have been using Ubuntu Linux daily for several weeks now. I like it. Web browsing is fast. Pretty much everything I need is right at my fingertips. Most of the other things I want can easily be downloaded from the Ubuntu Software Center.

Yes, Ubuntu did ask me if I wanted to sync my devices. I said no and that was it. No, I don't have to create an Ubuntu account. No, I have not been bugged about my decisions.

### **Now for the bad.....**

Many of the Windows programs I was using often will not run on Linux. Finding a similar program to use has been a pain. There are many similar programs out there, they just don't have the same feel, if you know what I mean. The main program I miss is Microsoft Money, which I use to balance my checking account. So far, I have found many similar programs in Linux, but don't really like any of them. They do work though. N3FJP logging software is another that does not work. There are many substitute general logging apps out there so that is not the issue. Very little dedicated contest software is available, however.

My solution was to install a program called Virtual Box. This program allows you to install an operating system inside Ubuntu Linux without affecting either operating system. So, I installed Windows 7 via Virtual Box. Now I can still run Windows software when I want to. Nice.



Why Windows 7 instead of 10? Did I mention how much I hate Windows 10?

By the way, if you don't want to lose your Windows operating system there is a Windows Version of Virtual Box. You could simply install any version of Linux within Windows with the Virtual Box program (which is free to use for home users).

Maybe next month I will dive into the workings of Virtual Box.

There is a second cure for running Windows programs with Linux. This technique uses a program called "Wine". Wine is a free program that is easily downloaded in Linux. With Wine, you can install a limited number of Windows programs. From what I understand, Microsoft Money works well in Wine. N3FJP software does not.

### **Suggestions for Trying Linux**

While this article may make interesting reading for some, my general recommendation is that unless you are entirely fed up with Windows 10, stick with it.

Huh? Yes. The main reason I say this is because Linux is not completely plug and play. Installing third party software on Linux can be challenging. Many programs install easily from the Ubuntu software library, and they are all free. However, some programs require installation via the terminal mode, which can be difficult to say the least.

I have installed some programs from the Ubuntu software library only to find that the program will only run in the terminal mode. Think the old-style Microsoft DOS. I don't mind this, but many of you will not like doing so.

If all you do on your computer is surf the web, read, and send emails, and perhaps a little word processing, then I would suggest trying Linux. As I said, you can run Ubuntu Linux (or most versions of Linux) right from the DVD that you have created, so surfing the web is easy, although it may be a bit slower.

There is also a way to put Linux on a bootable USB drive. Then you boot Linux from the USB drive and can make changes without losing them. Linux does run a bit slower due to the speed of USB drives, but it works. In this case, going back to Windows is a piece of cake. Simply remove the USB drive from the compute.

That is a wrap on this article. Hopefully it was an enjoyable read whether you are switching to Linux or not. It is always nice to know there are alternatives out there.

If there is enough interest, I will dive into how to make a bootable Linux USB drive soon. In the meantime, I encourage readers to give Linux a try by burning it to a DVD. Perhaps I will burn a few copies and bring them to the next club meeting.

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*"... the North Shelter ... it is a great place with a lot of shelter space and a trailhead that will take you down to the covered bridge." Michael, KE8HGE*

# Please note Location Change:

**The location for September's meeting is Ariel Foundation Park.**

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*"Buying an IC-7300 will give us a modern radio to use when demonstrating ham radio to the public." W8PEN*

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## Miscellaneous Rambling

### Terry Windsor K18N



I had to return the Yaesu FTDX 10 transceiver I had gotten on loan from GigaParts. I enjoyed operating this rig and made about 250 overall SSB, CW, and FT8 contacts with it. Was considering purchasing one but have been

doing some research/reading online about them and believe I will hold off until it has been out a little longer. Seems like Yaesu may have some quality issues that still need to be taken care of.

Did anyone operate in the Ohio QSO party on August 28? I managed to get in a little more than an hour from 10:30 pm to 11:45 pm and made 45 contacts with 30 multipliers for a total of 1350 points. I only operated on 80-meters. From what I was told I was the only operator from Morrow County. I really enjoy this QSO Party but had to miss most of it to attend a wedding and reception.

In August I also participated in Parks On The Air (POTA) and activated K-2941 – David Crockett State Park – in southern Tennessee. Cath and I went camping there and I took my Icom 7100 and Chameleon EMCOMMII

end fed antenna and activated the park a total of 5 times during the week for a total of 313 contacts. I find it fun to get out and activate a portable station where people actively look for you.

Finally, I am teaching at the Knox Technical Center and will not be able to attend Monday meetings for the next nine months. I am teaching adult learners and my class meets Monday through Thursday in the evenings. Going to miss attending and seeing everyone but will be back next summer.

In the meantime, *and just my opinion*, I just want to say that the Covid paranoia irritates the daylights out of me. Due to panic we are again meeting outside until it is too cold then back to half-baked meetings on the repeater. Maybe my being out for the next several months is a good thing. Makes me wonder what good were the vaccine shots???

Until next month “Ham It UP!”

## Jumbled Thoughts from KC8EVS

### Frank Counts KC8EVS



#### Ohio State Parks on the Air

It's that time of the year and this Saturday September 11 at 10am to 6pm is the date and time. We will be operating from the North Shelter at the Mohican State Park.

We need to get there between 9-9:30am to set up antennas and the radios. Help with set up will be much appreciated. If you can't make it for the whole day don't let that stop you from coming out for any amount of time you can. We usually don't hang around to 6pm, usually close shop around 3 or 4pm.

Bring a lunch if you come out early and enjoy eating in the shelter. There is a pit type latrine, so you don't have to hold it all day.

Who knows maybe we can get Terry KI8N to demonstrate using a sling shot to place antenna support ropes in a tree or maybe his string trimmer needs the fuel line replaced, who knows? Sling shot demonstration is the best, oh, it is rated for 18 and older due to the language needed to get the line up in the air.

Come out and enjoy the day as it is the last activity for the year and is a great time. See the map on page 22 for directions to Mohican State Park North Shelter.

All for now, 73.

### Call for nominations for officers for 2022

I've checked my spam folder, trash etc. and have not come across any emails stating you or anyone for that matter want to run for club office. Never fear as there is still plenty of time to get that into me. The list does not need to be completed until the November meeting, but it would be nice to have something to look at in October. Talk to me, text, email, snail mail, on the repeater, HF, at a meeting, Friday mornings, this Saturday at OSPOTA, if you are too shy; tell a friend to contact me or another club member. I'm open to any communication route. We have potential openings at all positions and could use 3 or 4 at the director position. I've served in most of the positions at one time or another and if I can do it anyone can.



**2022**

### **OFFICER NOMINATIONS NOW OPEN**

The following positions are to be filled:

**President**

**Vice President**

**Secretary**

**Treasurer**

## 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](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.



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

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## 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.

#### **Morse Code Instruction**

In the last few months, we had shown resources to learn morse code. I found another new web site; *Hear CW Words* "**Hear CW Words is all about hearing and understanding fast Morse Code words without making a written transcription.**" <https://www.hearcwwords.com/hear-cw-words>

Towards the bottom of the Hear CW Words selection page there are free downloads of sample audio tracks starting at 16 wpm to 40 wpm.





## 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:

**G1B01** What is the maximum height above ground to which an antenna structure may be erected without requiring notification to the FAA and registration with the FCC, provided it is not at or near a public use airport?

- A. 100 feet
- B. 200 feet
- C. 50 feet
- D. 300 feet

**G1B03** Which of the following is a purpose of a beacon station as identified in the FCC rules?

- A. Transmission of bulletins of general use to Amateur Radio licensees
- B. Observation of propagation and reception
- C. Identifying net frequencies
- D. Automatic identification of repeaters

## Extra Class Exam Sample Test Questions:

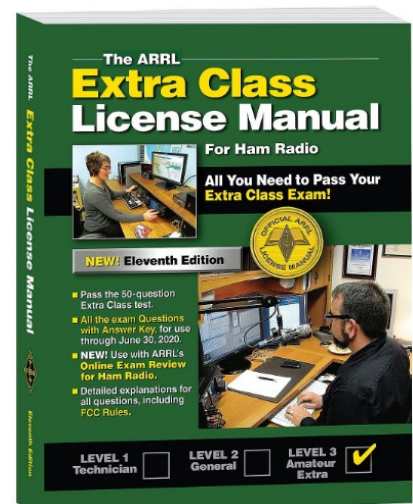
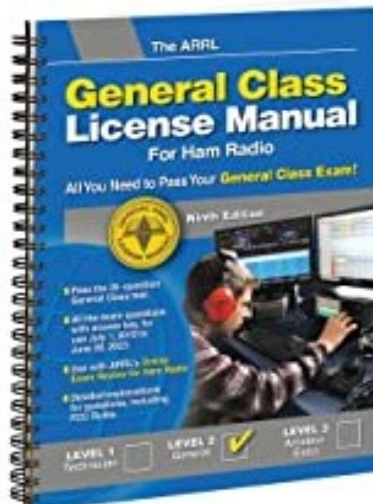
**E1B01** Which of the following constitutes a spurious emission?

- A. A signal transmitted to prevent its detection by any station other than the intended recipient
- B. An emission outside the signal's necessary bandwidth that can be reduced or eliminated without affecting the information transmitted
- C. Any transmitted signal that unintentionally interferes with another licensed station
- D. An amateur station transmission made without the proper call sign identification

**E1B03** Within what distance must an amateur station protect an FCC monitoring facility from harmful interference?

- A. 3 miles
- B. 1 mile
- C. 10 miles
- D. 30 miles

These test questions are from the current test pools for their respective license classes. How did you do? The answers are on Page 23. Practice tests for all license classes can be found here: <https://www.qrz.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>

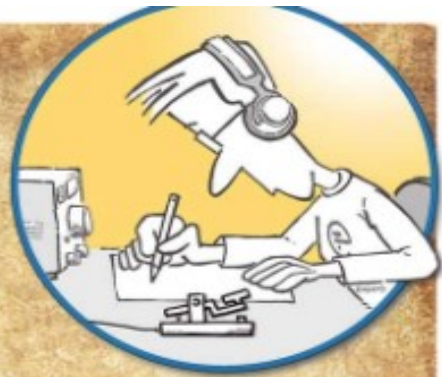
The ARRL Ohio Section calendar:

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



# CW QSO - example template

# CW4U



QRL? ----- QRL? DE AA1ZZ <K> -----  
CQ CQ CQ DE AA1ZZ AA1ZZ PSE <K>

AA1ZZ DE BB2HH PSE <KN>

BB2HH DE AA1ZZ GM DR OM  
ES TNX FER CALL =  
UR RST 599 5NN =  
NAME name1ZZ name1ZZ =  
QTH city1ZZ city1ZZ =  
HW CPI? BB2HH DE AA1ZZ <KN>

AA1ZZ DE BB2HH GM DR name1ZZ =  
UR RST 599 5NN =  
NAME name2HH name2HH =  
QTH city2HH city2HH =  
HW CPI? AA1ZZ DE BB2HH <KN>

R R BB2HH DE AA1ZZ =  
TKS FER FB QSO DR OM name2HH =  
73 ES GUD DX HOPE CUANG <AR>  
BB2HH DE AA1ZZ <SK> TU

AA1ZZ DE BB2HH OK name1ZZ =  
73 TNK FER QSO ES QSL VIA BURO =  
BB2HH DE AA1ZZ <SK> TU E E

E E -----  
CQ CQ CQ DE AA1ZZ AA1ZZ PSE <K>

ADDITIONAL INFORMATION \*

R OK ALL BB2HH DE AA1ZZ =  
RIG TRX-MODEL ES PWR 15W  
ES ANT DIPOLE =  
WX HR SUNNY ES DRY TEMP 26C =  
HW CPY? BB2HH DE AA1ZZ <KN>

R S T - signal report  
5 5 9 - -----  
5 7 9 - -----  
5 9 9 - -----

PROSIGNS

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| < K > Open change                     | < AR > End of message              |
| < KN > Change for you                 | < SK > End of contact              |
| < BK > Fast change                    | < AS > Wait, please. Make a pause  |
| < BT > Space or stop, also with < = > | < SN > Received, also R, OK < VE > |

ABBREVIATIONS

- |                              |                            |
|------------------------------|----------------------------|
| AGN Again                    | N No, negative, incorrect  |
| ANT Antenna                  | NR Number                  |
| BK Break, break in           | NIL Nothing. Not in log    |
| BURO Bureau                  | GG Going                   |
| B4 Before                    | OM Old Man                 |
| C Correct, yes, copy         | PWR Power                  |
| CL Call - Close              | PSE Please                 |
| CONDX Conditions             | R Roger, OK, C, Y          |
| CPI Copy                     | RPT Repeat / Report (RPRT) |
| CU See you                   | RIG Station equipment      |
| CUANG See You Again          | RST Signal report format   |
| DE This is, from             | SRI Sorry                  |
| DR Dear (DR OM)              | TEMP Temperature (F o C)   |
| ES And (GL ES DX)            | TNX Thank (TKS)            |
| FB Fine bussines             | TU Thank you               |
| FER For... (FR,4)            | U You                      |
| HI The telegraph laugh; High | UR Yours                   |
| HR Here; Hear                | VY Very                    |
| HW? How, How copy?           | WX Weather                 |
| IS IS                        | 73 Best regards            |

GM Good morning GA G. Afternoon GE G. evening GL G. luck

Q CODES

- | information                             | question (?)                            |
|---|---|
| QRA The call sign of my station is ...  | What is the call sign of your station?  |
| QRG Your exact frequency is ...         | Will you tell me my exact freq. ... ?   |
| QRK The intelligibility of your signals | Will you tell me my exact frequency?    |
| QRL I am busy. Please do not interfere. | Are you busy?                           |
| QRM I am being interfered with ...      | Are you being interfered with... ?      |
| QRN am troubled by static,              | Are you troubled by static?             |
| QRO Increase transmitter power.         | Shall I increase transmitter power?     |
| QRP Decrease transmitter power.         | Shall I decrease transmitter power?     |
| QRQ Send faster (... wpm).              | Shall I send faster?                    |
| QRS Send more slowly (... wpm).         | Shall I send more slowly?               |
| QRT Stop sending.                       | Shall I stop sending?                   |
| QRV I am ready.                         | Are you ready?                          |
| QRX I will call you again at ... hours. | When will you call me again?            |
| QRZ You are being called by ... on ...  | Who is calling me?                      |
| QSB Are my signals fading?              | Your signals are fading                 |
| QSL I am acknowledging receipt.         | Can you acknowledge receipt?            |
| QSO I can communicate with ...          | Can you communicate with ...            |
| QSY Change to trx on another freq..     | Shall I change to trx on another freq.? |
| QTH My position is ...                  | What is your position?                  |

WEATHER - WX

- |               |                 |              |               |
|---------------|-----------------|--------------|---------------|
| SUNNY sunny   | CLR clear skies | FROST frozen | RAINY rainy   |
| COLD cold     | DRY dry         | FOG fog      | STORMY stormy |
| CLOUDY cloudy | FINE nice       | HOT hot      | WARM warm     |

Notes:-  
• The red edge boxes are if you call (AA1ZZ), replace it with your calling.  
• The black boxes with the text in italics and darker background, if you answer (BB2HH), set your calling.  
• Modify the text using light gray with the appropriate information.  
• \* Check the book "CW 4 U" to review every step of a QSO and the variations, the use of prosigns, abbreviations, structures, etc.

CONTEST

- CQ TEST AA1ZZ  
BB2HH  
BB2HH 5NN XXX  
5NN XXX TU  
TU (AA1ZZ continue)  
xxx = contest exchange data

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## Morse Code

A	• —	1	• — — —
B	— • • •	2	• • — — —
C	— • — •	3	• • • — —
D	— • •	4	• • • • —
E	•	5	• • • • •
F	• • — •	6	— • • • •
G	— — •	7	— — • • •
H	• • • •	8	— — — • •
I	• •	9	— — — — •
J	• — — —	0	— — — — —
K	— • —	.	• — • — • —
L	• — • •	,	— — — • • — —
M	— —	?	• • — — • •
N	— •	/	— • • — •
O	— — —		
P	• — — •		
Q	— — • —		
R	• — •		
S	• • •		
T	—		
U	• • —		
V	• • • —		
W	• — —		
X	— • • —		
Y	— • — —		
Z	— — • •		

### Symbol Length and Spacing

- A DOT is one unit of time
- A DASH is three units of time
- Symbol spacing is one unit (DOT Length)
- Character spacing is three units (DASH length)
- Word spacing is seven units

**KW4FB**

<http://kw4fb.com>

# September 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 4:45 PM Dinner at Southside Diner	2	3 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	4
5 9:00 PM ARES Sunday Night Net	6	7	8 4:45 PM Dinner at Southside Diner	9	10 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	11 <b>10:00 AM OSPOTA Mohican State Park— North Shelter</b>
12 9:00 PM ARES Sunday Night Net	13 <b>7 PM Monthly Meeting @ Foundation Park</b>	14	15 4:45 PM Dinner at Southside Diner	16	17 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	18
19 9:00 PM ARES Sunday Night Net	20	21	22 4:45 PM Dinner at Southside Diner	23	24 10:00 AM Breakfast at Foundation Park – Park National Bank Pavilion	25
26 9:00 PM ARES Sunday Night Net	27	28	29	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:

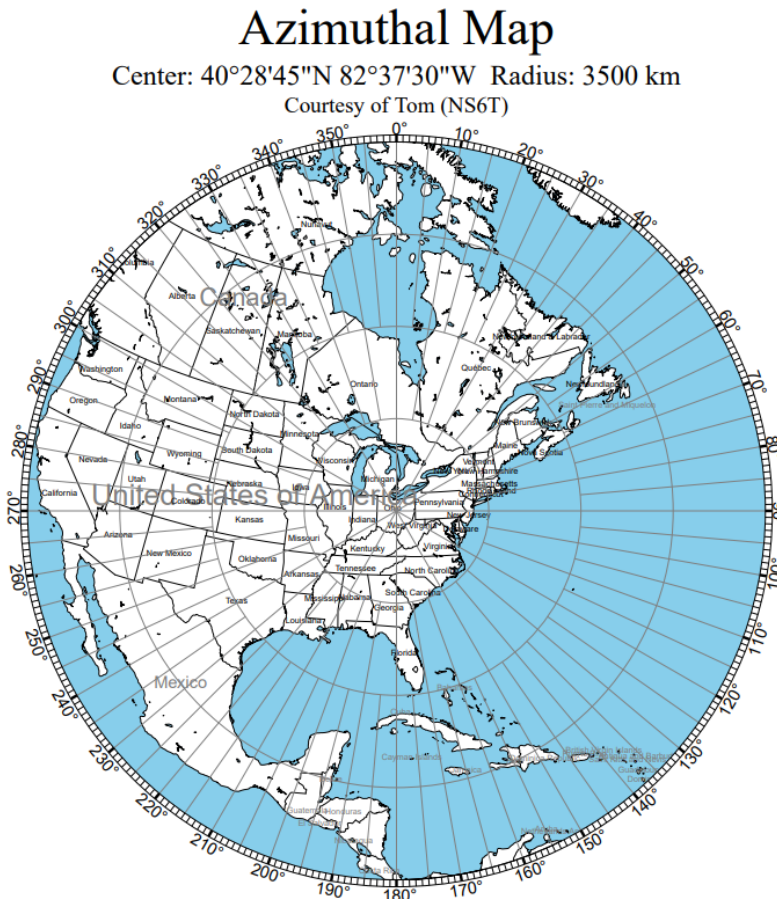
Paper:       Label cities:

Black & white:       Blue background:

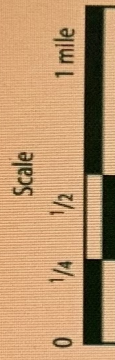
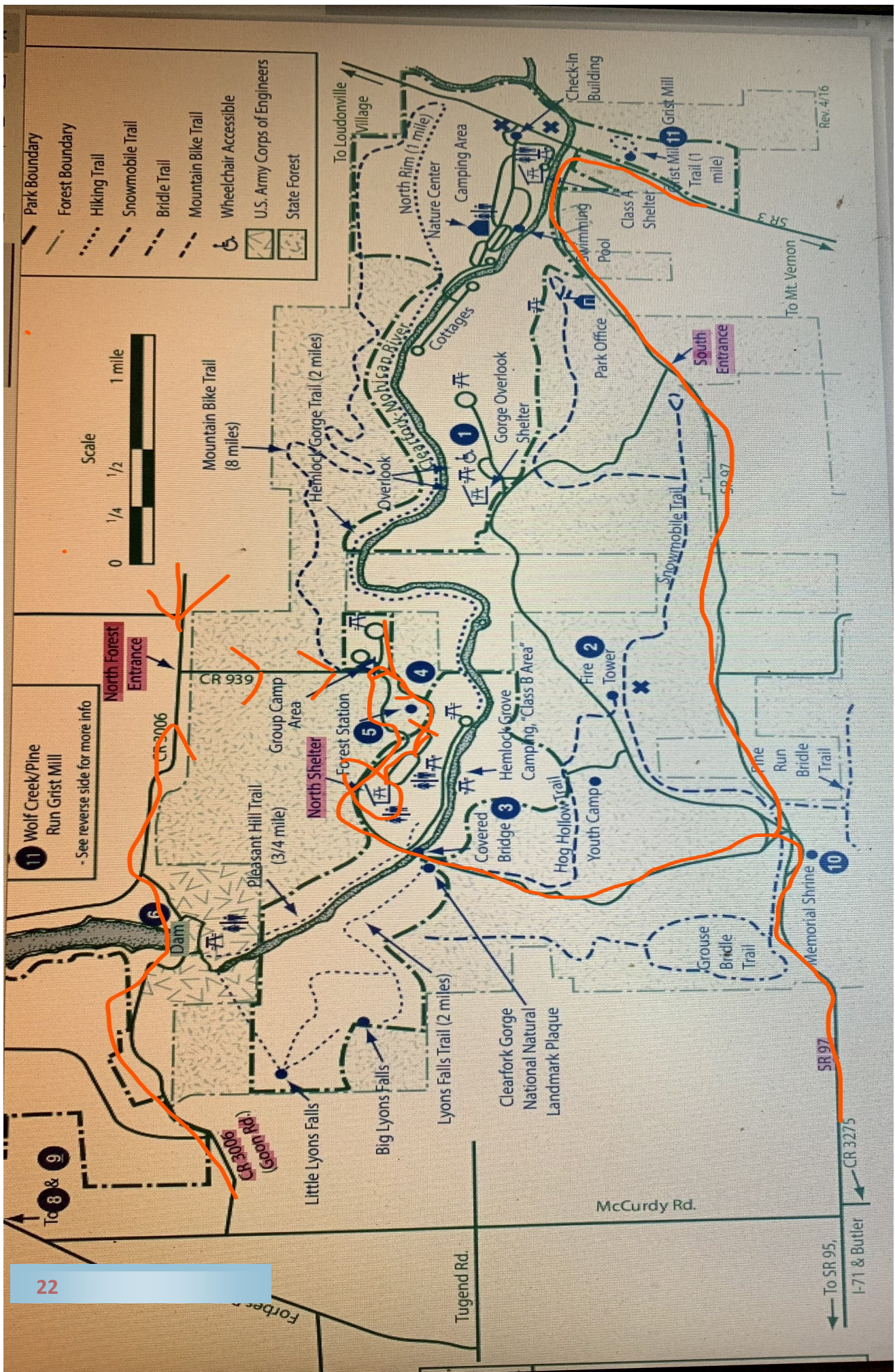
Lat/long grid:       View in browser:

Label grids:

Generating maps takes up to 30 seconds.







11 Wolf Creek/Pine Run Grist Mill  
- See reverse side for more info

North Forest Entrance

Mountain Bike Trail (8 miles)

Hemlock Gorge Trail (2 miles)

Pleasant Hill Trail (3/4 mile)

Lyons Falls Trail (2 miles)

Clearfork Gorge National Natural Landmark Plaque

Memorial Shrine

McCurdy Rd.

To SR 95, I-71 & Butler

CR 3275

SR 97

CR 3006

CR 939

Group Camp Area

Forest Station

North Shelter

Forest Station

Overlook

Cottages

Gorge Overlook

Shelter

Park Office

Swimming Pool

Class A Shelter

Check-in Building

Grist Mill

North Rim (1 mile)

Nature Center

Camping Area

To Loudonville Village

To Mt. Vernon

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

SR 3

Rev. 4/16



## Answers to sample test questions on page 16.

G1B01: B – 200 feet

G1B03: B – Observation of propagation and reception

E1B01: B – An emission outside the signal's necessary bandwidth that can be reduced or eliminated without affecting the information transmitted

E1B03: B – 1 mile

## 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.

