

July 2022
2022 Edition 7



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 July 11, 2022.

Meeting Location:

Academy Building
790 Fairgrounds Road

Visit us on Facebook:

[Mount Vernon Amateur Radio Club](#)

Visit our Webpage:

<https://MVARC.net>

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MVARC Repeaters

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

K8EEN-R Echolink Node:
809800

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

Contact Us

MVARC
PO Box 372
Mount Vernon, OH
43050

Email

admin@mvarc.net

MVARC

President
Frank Counts, KC8EVS

Vice President
Barry Butz, N8PPF

Secretary
Bill Stroud, KD8WHQ

Treasurer
Terry Windsor, KI8N

Club Call Trustee
Don Russell, W8PEN

Equipment Trustee
Barry Butz, N8PPF

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

Newsletter Editors
Frank Counts, KC8EVS
Terry Windsor, KI8N

President's View

Frank Counts
KC8EVS



This is a text message from Frank regarding his recent accident and hospital stay.

Good morning, all, feel free to relay this to all interested.

In short, I fell about 6 feet from a ladder trying to trim a tree. I fell directly on my left hip and drove my trochanter (the ball portion of the hip joint) through my pelvis. Not good and very painful to say the least.

My first stop was Adena. They took one look and said I needed to go elsewhere. So, off to OSU. Bumpy rides and a broken pelvis are not fun.

OSU was an ordeal first x-rays, then a pin through my femur to put me in traction. That pulled the trochanter out on my broken pelvis. At OSU there was only one surgeon who would attempt to repair my hip. She was on vacation. So, I had to wait till Monday.

I was in extreme pain, so I don't remember much until after my surgery. It was a 5 hour surgery 33 staples, a scar to tell stories about.

I have a long way to go. No weight bearing on that hip until mid-September. They will X-ray then and determine if it is healed enough to bear weight.

So, I'm stuck in in bed or my recliner for the next 10 weeks. Moving about is not easy and with some pain.

All this to tell you I won't be participating in club activities for a while.

“Even though the weather was almost perfect, our Field Day had plenty of technical issues to overcome.” Don (W8PEN)

March Meeting Minutes

Bill Stroud
KD8WHQ



The May 2022 meeting of the Mt. Vernon ARC was called to order at 7:01 pm by President Frank Counts (KC8EVS). There were 16 members in

attendance;

Frank Counts (KC8EVS)
Tom Evans (HD8HSA)
Barry Butz (N8PPF)
Roger Gorrell (KE8ICI)
Michael Jacobs (KC8HGE)
Emery Bennett (W8TW)
Don Bunner (KB8QPO)
Ralph Dunmire
Don Russell (W8PEN)
Ralph Bower (KC8REB)
Bill Stroud (KD8WHQ)
Steven Harvey (N8RLW)
Terry Windsor (KI8N)
Arlen Bradford (KD8EVR)
Jim Bostic (KD8IZT)
Kevin Adams (KD8NGV)

The minutes for the May Meeting were presented and there were no changes or objections, and the minutes were approved.

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

ARES

Terry would like to have a tabletop exercise sometime in the next 2 months.

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.

The HV antenna at the EOC needs put back up, one end is down. The radio and antenna at the 911 center needs installed.

Repeater

The new antenna was installed. There is an issue with the controller. Don replaced an IC socket hoping that would fix the issue.

Don is going to leave the controller as is for the time being, but it will need to be worked on or replaced.

Old Business

Field Day June 25 – 26. The location is Apple Valley. Set up will be on Friday June 24 at 2pm. There will be 4 stations running. Dinner will be potluck at 5 pm on Saturday. Steve Harvey volunteered to oversee the food. He will send an email asking what to bring. Banners – we need to investigate getting one or more new ones.

Steve Harvey and Roger Gorrell set up stations at the Endurance Race. The organizers would like us back next year.

New Business

Sept 10 is the OSPOA at Mohican Park
Terry needs an up to date equipment list for
the Club insurance.

A motion to adjourn was made by Steve Harvey and 2nd by Ralph Bower. The meeting was adjourned at 7:45 pm.

ARES

Terry Windsor K18N



Another month has gone by and I had planned to schedule an ARES tabletop exercise for July. Looking at the calendar and remaining time it appears my only

available date is July 16.

Would anyone else be available on 7/16 at 9:00 am at the Academy Building? We will discuss at the upcoming meeting to determine if anyone will attend.

I had envisioned having a quick tabletop exercise where we go through a tornado that has touched down in Knox County and what our response and actions would be.

I plan to have the correct ICS forms and other useful information available for us to go through.

The plan to verify our ability to communicate from identified Red Cross shelters, fire stations, and the hospital I would like to schedule on a Saturday in August. Right now I am tentatively scheduling this for August 16.

We can also discuss this at the meeting this month and finalize at the August meeting.

One other item that we need to be aware of and I would like us to actually participate in this year is the Simulated Emergency Test (SET) that usually occurs in October. As we get closer to this event I will be passing on information I receive so that you are aware of what we need to prepare to be active in this state wide event. I know that we need to get our station set up and operating and be able to pass traffic, deploy to county locations, and have a function net.

Thanks to Emery (W8TW) for running the Severe weather net Monday the 13th. None of us predicted how bad the weather was going to turn until the power went out and we saw the devastation Tuesday morning. Hopefully, no one in your families was injured.



Finally, I would also 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 this to me or text me.

Radio Active

Don Russell

W8PEN



Well, Field Day is over. Weather was pretty much excellent, although a bit on the warm side. Some predicted storms apparently went around us, and we never even had a drop of rain. More on

Field Day in a minute. First, a little update on the 2 meter repeater.

2 Meter Repeater

As mentioned last month, the new antenna is installed and working wonderfully. That's the good news. The bad news is that the interface board that lets the clubs Cat-1000 and Yaesu DR-1X repeater talk to each other had a major failure. We are therefore using the repeater with its internal controller. It works. No bells and whistles. No courtesy beep. No Net mode, weather mode, or anything else.

On top of this, the interface board that Arcom Repeater Controllers make is currently out of stock until further notice.

With summer activities in full swing, I have not had a chance to look at the interface board since my initial attempt to troubleshoot it in early June. What I thought was going to be a simple fix turned into a major problem. One of the IC's got super-hot when I reinstalled the interface board, after feeling confident that I had solved the issue. Usually "Hot" is not good for an IC.

To be honest, I don't know if I caused this problem, or it was just a failed part on the board that caused the problem in the first place.

There is some good news. There is nothing wrong with the Cat-1000 controller. I was able to fix the DVR problem on the controller by replacing an IC socket.

As I see it, we have several options.

One, we can reinstall the Maggiore Repeater, which works well with the Cat-1000 controller "as is". We may want to give the receiver a bit of a tune up before doing so. This is the zero dollar option.

I really don't like this option because the audio quality is so much better with the Yaesu repeater compared to the Maggiore repeater.

Two, if the interface board cannot be repaired, we buy another one. This is the hundred dollar option. Problem here is that using the interface board with the Cat-1000 controller is not plug and play and there is plenty of hand wiring that needs to be done. Also, as mentioned above, the availability of the interface board is in question.

Three, we can opt for a new repeater controller that would be plug and play. This is the five hundred dollar option. See this site for details: <https://www.arcomcontrollers.com/>

The availability of the interface board, plus the availability of a few other option boards are in question here.

Overall, I like option number three the best, dependent on getting all the boards for a complete plug and play system.

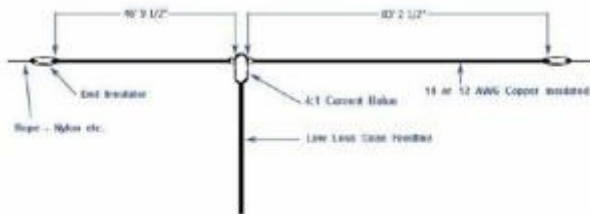
More on this at the July meeting. Now, on with a Field Day report.

Field Day 2022

Usually, I share good news after Field Day. This year, maybe not so much.

Even though the weather was almost perfect, our Field Day had plenty of technical issues to overcome. Club attendance for Field Day was also way down.

Some of the technical issues can be put on me. Barry, N8PPF, had issues getting the Off Center Fed antenna to work with his Icom IC-7300. When I tested the antenna, it worked perfectly with the clubs Kenwood TS-570D transceiver. The SWR was a bit on the high side on some bands, but I did not take the time to correct this. It never occurred to me that the internal antenna tuner on some radios would not tune the antenna.



OCF Dipole

Another technical issue was that my antenna tuner at the CW station had a failure. We did not have a backup antenna tuner available. Loren, W5HIO, ran home to his shack and picked up an antenna tuner that put us back in business. But the CW station was down for over an hour.



Terry, KI8N, was having problems with our networked logging software. Later in the day, all the stations had problems with the logging software. It was so bad that we shut the network down and used the software manually at each station. This will cause me some work

merging the logs, but nothing that can't be done.

Attendance at our Field Day event has been on the decline ever since the Covid Pandemic. It is what it is. I need to do a better job of estimating attendance so that we can have the proper number of stations set up.

The club needs to encourage members to participate in all our club events.



We also need to reconsider the Club picnic. Due to low attendance this year, the club had way more food than our small group could possibly consume. Luckily, I paid attention and was able to keep all the meat cold. So, we did not lose any meat because of the heat.

Lastly, I did not pay as much attention to the bonus points available. I am sure we lost two to three hundred points because I simply forgot to do some things before Field Day.

So, what can be done to improve things for next year? First off, I am going to delegate more of the workload to other members. I have a bad habit of trying to do everything myself. For Field Day 2023, we will start planning much earlier. Like now! That is, if I remain Field Day Chairperson.

I am backing off on the idea that we should use all club equipment for field Day. Although, I still think using the Off Center Fed antennas I built for Field Day is a good idea. I think the antennas worked well (other than Barry's problem antenna).

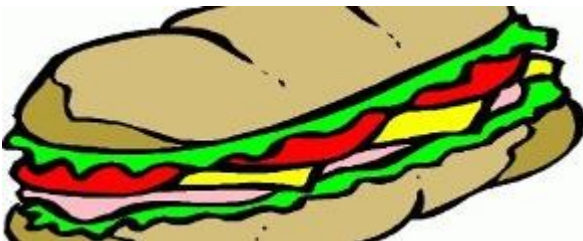
Next year's Field Day will consist of one SSB station and one CW station. The Digital station will be optional pending availability of digital operators. Or we may simply run two stations that are both capable of SSB, CW, and digital.

I will be station manager of the CW station (if we have a separate station for this). Someone else will oversee the SSB station, and yet another club member will handle the digital station.

The station managers will be responsible for all the station equipment: Transceiver, Antennas, Headphones, Generators, etc. Keep in mind that the club does have equipment available, so a station manager does not have to tear apart his station or risk his/her transceiver out in the field.

With the station situation under control, we can turn to the Field Day picnic.

I suggest that we plan on ordering Pizza or subs according to how my members are present for the event. This can be done during Field Day. I would, however, encourage everyone to bring a few snacks to get them by during the night.



Of course, all the above could change by next year. We have a full year to plan this. I am just thinking of possibilities. The one encouraging thing I observed from this year's Field Day event was the training of operators. Some of our inexperienced members go very solid operator training. Hopefully, this will continue with other club events.

Hope to see you at the July meeting.

Field Day Attendees

Name	Call Sign
G. Michael Jacobs	KE8HGE
Bill Stroud	KD8WHQ
Don Bunner	KB8QPO
Tom Evans	KD8HSA
Emery Bennett	W8TW
Barry Butz	N8PPF
Roger Gorrell	KE8ICI
Don Russell	W8PEN
Loren Robbins	W5HIO
Terry Windsor	KI8N
Erik R. Huber	NO8Z
Ana Anafi	
Connie Butz	KC8DLG
Scott Fields	W8HK
Arlin Bradford	KD8EVR
Brandon Hunt	KD8IPP
Steven Harvey	N8RLW



Field Day Photos

Don Russell
(W8PEN)



Field Day

Photos

G. M. Jacobs



Field Day Summary

Don Russell

W8PEN



As promised, here is the final Field Day tally for our club. Followed by some statistics and the map. The colored in sections on the map are those sections that were worked during field Day. The white sections are the ones we missed.

Summary

Call Used: **K8EEN** GOTA Station Call: **NONE** ARRL/RAC Section: **OH**

Class: **4A**

Participants: **10** Club/Group Name: **Mt. Vernon, Ohio ARC**

Power Source: **Generator, Battery, Solar** Power Multiplier: **2X**

Preliminary Total Score: 4380

Bonus Points:

Bonus	Points
100% emergency power	400
Public location	100
Public information table	100
Entry submitted via web:	50
Total Bonus Points	650

Score Summary

	CW	Digital	Phone	Total
Total QSOs	542	257	267	1066
Total Points	1084	514	267	1865

Claimed Score = 3730 (QSO points x Multiplier)

Band / Mode QSO Breakdown

Band	CW		Digital		Phone	
	QSOs	Pwr (W)	QSOs	Pwr (W)	QSOs	Pwr (W)
80M	131	100	45	25	113	100
40M	359	100	76	25	83	100
20M	52	100	117	25	69	100
15M			19	25	2	100
Total	542		257		267	

Total Contacts = 1065

Total Points = 1865

Operating Period: 2022/06/25 18:03 - 2022/06/26 17:55

Total Contacts by Band and Mode

Band	CW	Phone	Digital	Total	Percentage
80M	131	113	45	289	27%
40M	359	83	76	518	49%
20M	52	69	117	238	22%
15M	0	2	19	21	2%
Total	542	267	257	1066	100%

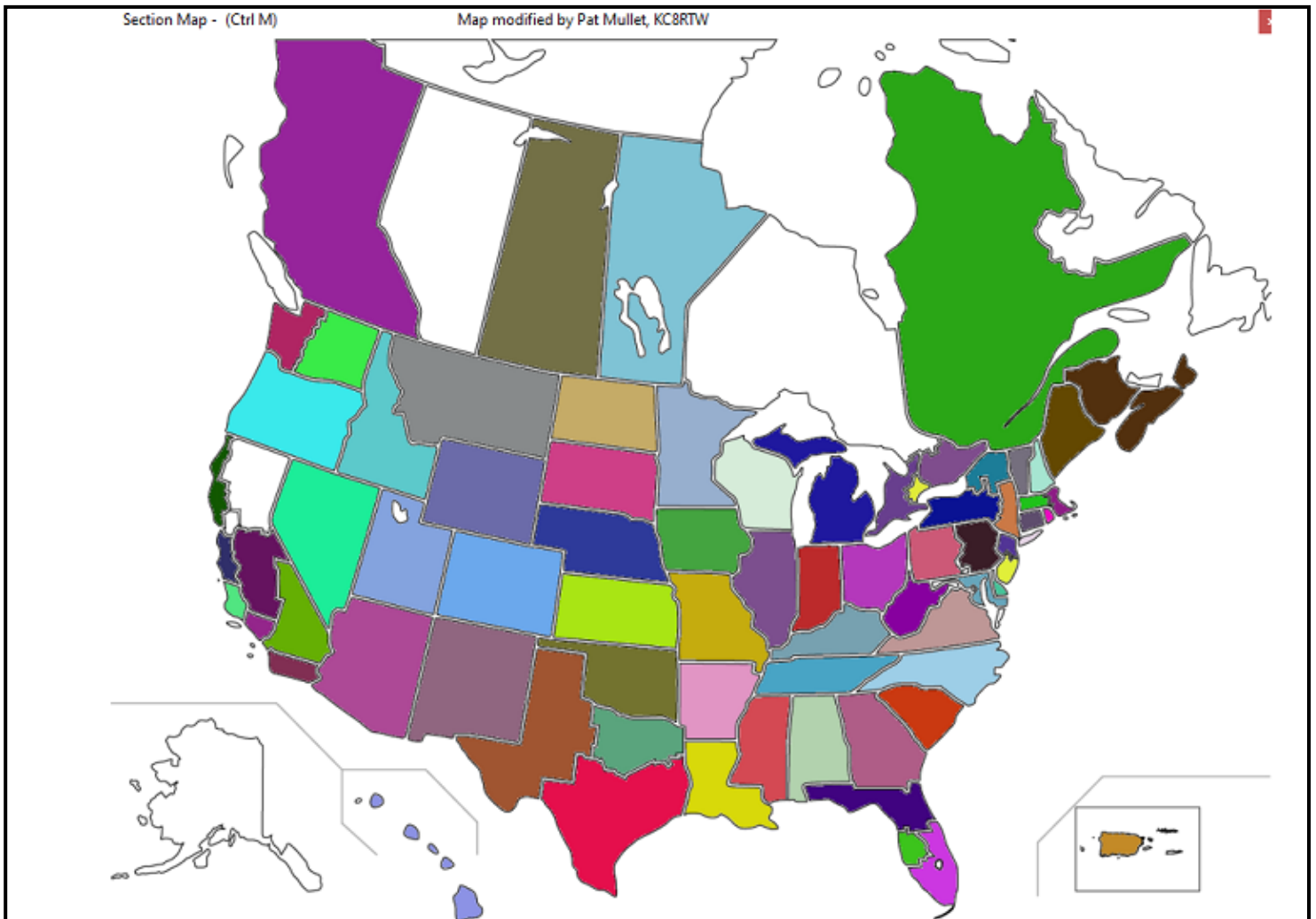
Total Contacts by Section

Section	Total	Percent	Section	Total	Percent	Section	Total	Percent
OH	71	7%	EMA	15	1%	ORG	5	0%
VA	61	6%	MO	14	1%	WTX	5	0%
EPA	51	5%	CT	13	1%	BC	4	0%
NC	49	5%	ME	13	1%	NV	4	0%
MI	45	4%	WWA	13	1%	SF	4	0%
IL	39	4%	ONE	12	1%	DE	3	0%
MDC	37	3%	RI	11	1%	LAX	3	0%
IN	36	3%	OK	10	1%	NE	3	0%
WI	32	3%	WCF	10	1%	NNY	3	0%
NFL	29	3%	AZ	9	1%	SCV	3	0%
WNY	28	3%	CO	9	1%	SDG	3	0%
TN	27	3%	NLI	9	1%	DX	2	0%
AL	22	2%	ONS	9	1%	MAR	2	0%
MN	21	2%	QC	9	1%	MB	2	0%
NNJ	21	2%	IA	8	1%	MT	2	0%
WV	20	2%	ID	8	1%	ND	2	0%
ENY	19	2%	MS	8	1%	PR	2	0%
WPA	19	2%	NH	8	1%	SD	2	0%
GA	18	2%	WMA	8	1%	SK	2	0%
KY	18	2%	EWA	7	1%	WY	2	0%
SNJ	18	2%	OR	7	1%	PAC	1	0%
SC	17	2%	UT	7	1%	SB	1	0%
STX	17	2%	AR	6	1%	SJV	1	0%
GTA	16	2%	LA	6	1%			
NTX	16	2%	VT	6	1%			
SFL	16	2%	KS	5	0%			

Total Contacts by Operator

Operator	Total	Percentage
W5HIO	366	34%
KI8N	257	24%
W8PEN	176	17%
N8RLW	113	11%
N8PPF	90	8%
KE8ICI	64	6%

K8EEN's Contest Summary Report for ARRL-FIELD-DAY
 Created by N3FJP's ARRL Field Day Contest Log
 Version 6.6.3 www.n3fjp.com



Miscellaneous Rambling

Terry Windsor

KI8N



Once again Field Day is completed and MVARC's results are in and reported. For the most part FD was a good exercise of

our ability to deploy and operate under non-standard conditions. However, there are a couple of things I noticed this year that do not reflect well on how the public perceives us as a valid organization.

First, we have to ensure that we are showing our best behavior in our endeavors even under maybe not ideal circumstances. We simply cannot have the unknowing public thinking we are an obnoxious bunch of nit-wits.

Our behavior, if the other group files a report, could cause Apple Valley to block us from using their property in the future.

Another aspect of ensuring the public perceives us as a valid organization is, in my opinion, no longer tolerating alcohol beverages at our FD site. I know this is probably controversial but imagine how the public perceives an organization that says they can assist with communications but they observe several members imbibing.

This seems especially evident when several half drunk cans were left in the restroom just sitting on the sink and top of the toilet. I can only think that other people see this as a bunch of over drinking individuals and not someone they would trust to assist in an emergency.

These are just my observations and you can feel the right to agree to disagree however you want. But the actions and visual images I felt were an embarrassment to our club.

On a happier note, I did manage to get out and activate Kokosing Lake Wildlife Area (K-9472) this month. I made over 100 contacts via SSB and FT8 in about 2 hours. This was my 5th time activating this park reference on my way to a Kilo award. (Having made over 1000 QSO contacts from the same park.)

Summer is flying by, get out and do something you love and have been putting off for quite a long time!

Until next month, "Ham It Up!"

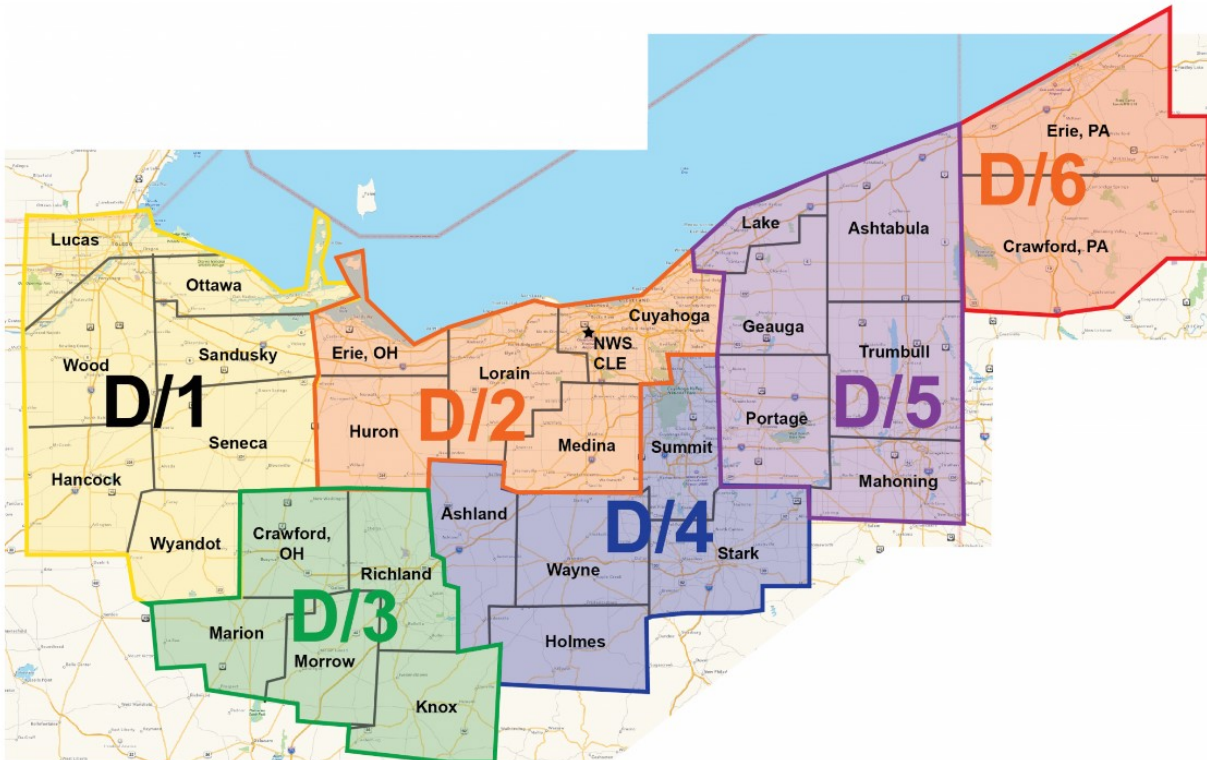
All this to tell you I won't be participating in club activities for a while.." Frank (KC8EVS)

July 2022

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

Final Takeaway

Cleveland Skywarn



Cuyahoga County Skywarn is responsible for providing amateur radio support for the Cleveland Office of the National Weather Service. We use a wide-area 6 meter repeater (The Backbone) that covers most of the county warning area to deliver reports from trained spotters in the field to forecasters in near real-time. This helps the forecasters issue more accurate warnings sooner, which in turn helps to ensure public safety. Backbone net control operators work out of the National Weather Service forecast office in Cleveland. The county warning area consists of the 30 counties covered by the Cleveland NWS office. During a severe weather event, each county will run a net that gathers reports from spotters in the field. A liaison station checked into this net filters and passes those reports on to WX8CLE at Cleveland Weather. **Please do not make reports directly to the backbone unless no local nets are in operation. This article is in the newsletter so that you can listen to Skywarn activities in our affected area.**

6-Meter Frequency: 52.680 MHz (PL = 107.2).

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

General Exam Sample Test Questions:

G6A01 What is the minimum allowable discharge voltage for maximum life of a standard 12 volt lead-acid battery?

- A. 10.5 volts
- B. 6 volts
- C. 8.5 volts
- D. 12 volts

G6A06 Which of the following is a reason not to use wire-wound resistors in an RF circuit?

- A. The resistor's tolerance value would not be adequate for such a circuit
- B. The resistor's internal capacitance would detune the circuit
- C. The resistor could overheat
- D. The resistor's inductance could make circuit performance unpredictable

Extra Class Exam Sample Test Questions:

E2E05 Which of these digital modes does not support keyboard-to-keyboard operation?

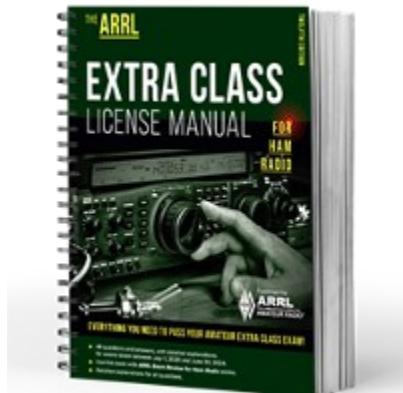
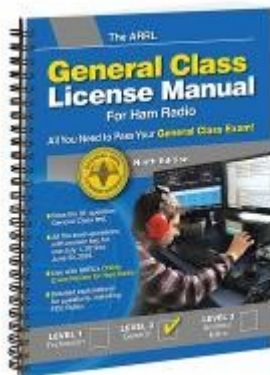
- A. MFSK
- B. PSK31
- C. PACTOR
- D. RTTY

E3C02 What is indicated by a rising A or K index?

- A. Increasing disruption of the geomagnetic field
- B. An increase in the critical frequency
- C. Higher levels of solar UV radiation
- D. Decreasing disruption of the geomagnetic field

These test questions are from the current test pools for their respective license classes. How did you do? The answers are on the last page. Practice tests for all license classes can be found here:

<https://www.grz.com/hamtest/> The books shown are available from the ARRL for license studying.





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



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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1320 2/11

Miscellaneous Amateur Radio Information

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

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

Ohio Traffic Nets



[The Ohio Single Side-Band Net \(OSSBN\)](#)

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

Alternate Frequency for all sessions is 3.968 KHz.

[Central Ohio Traffic Net](#)



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

“Thanks to Emery (W8TW) for running the Severe weather net Monday the 13th.” Terry (K18N)

Quick 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](#)

FCC Application Fee Filing Guide

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

\$35 Fee: new, renewal, rule waiver, and modification applications that request a new vanity call sign. The fee will be per application. **NO FEE:** administrative updates, such as a change of name, mailing or email address, modification applications to upgrade an amateur radio licensee’s operator class or to request a sequentially issued call sign and license cancellation.

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.



Summer is flying by, get out and do something you love and have been putting off for quite a long time!" Terry (K18N)

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

Answers to sample test questions on page 21.

G6A01: A – 10.5 volts

G6A06: D – The resistor's inductance could make circuit performance unpredictable

E2E05: C – PACTOR

E3Co2: A – Increasing disruption of the geomagnetic field

Editors Notes



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

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

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

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



Bill Bradley (KC8BB) is getting out of ham radio and wants some help selling his equipment.

For Sale:

Kenwood TS-2000 Transceiver (SN B3B00045): \$950

Heil Pro-7 headset with TS-2000 adapter: \$150

Ameritron ALS-600 (SN AL-600-16670) 600 watt solid state amplifier with ALS-600PS (SN 15084) power supply: \$1500

MFJ-998 1500 Watt Auto tune Antenna Tuner: \$600

Rig Expert AA-170 Antenna Analyzer: \$350

Kenwood THD-72 Hand Held: Make offer

Alpha Delta-4 Antenna switch, New, in package with mounting bracket: \$100

Alpha Delta-4 Antenna switch, used, no mounting bracket: \$90

Complete 40 – 10 meter antenna system:

- 60 Foot American Tower from Shelby, Ohio
- Cushcraft A3A antenna with 40 meter add on kit
- Yaesu G-800 DXA Antenna rotor and control box
- 2 meter FM antenna (11 elements or so)

Various cables and boxes.

Contact Bill Bradley, KC8BB, to see and make offer on the antenna system and the other items listed.

Bill Bradley, KC8BB

740-504-0414

If Bill is not available, you can contact Don Russell, W8PEN, 740-326-0476, w8pen@yahoo.com