

# Central Ohio Radio Club, Inc.

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Place Label Here

Web Page at <http://www.corc.us>

Over 50 Years of  
Service to the  
Amateur community!



Editor, The CORC Repeater Newsletter  
Joe Hahn (W8NBA)  
P.O. Box 166  
Sunbury, OH 43074-0166

The Central Ohio Radio Club  
July 2021 Newsletter



ARRL Special  
Services Club

# **2021 COLUMBUS HAMFEST**

## **ARRL SANCTIONED HAMFEST**

**Saturday, August 7, 2021**

Sponsored by:

**The Aladdin Shrine Audio Unit – W8FEZ**

8:00am -1:00pm

Talk-In 146.760 – PL 123.0

(Doors open at 6:00am for vendor set-up)

Located at:

**Aladdin Shrine Center**

**1801 Gateway Circle**

**Grove City, Ohio 43123**

(Behind Tee Jayes restaurant, off of Stringtown Road at I-71)

## **FOOD TRAILER**

## **DOOR PRIZES**

**ALL Covid Rules will be followed. MASKS are required inside of garage**

For MORE Hamfest Information visit our Website

<http://www.columbushamfest.com/>

### **Admission**

\$5.00 at the gate

12 and under FREE

### **Indoor Tables**

\$10.00 per Table

### **Outdoor Space**

\$10.00 per space

**NO ADVANCED TICKET, TABLE OR SPACE SALES**

# Central Ohio Radio Club, Inc. (CORC)

Operating Amateur Repeaters Since 1970

## Membership application

**CORC operates repeaters with outputs of 52.70, 146.76, 146.97, 147.33, 442.800, 444.200  
145.49 D-STAR & 444.000 D-STAR**

***Some of the features include:***

**Worldwide linking on our IRLP & D-STAR Repeaters.  
Repeaters are used by the Central Ohio Weather Net and Central Ohio Traffic Net.  
Multiple receiver sites located in Franklin, Licking, Delaware, Pickaway and Logan Counties  
To ensure you excellent coverage throughout Central Ohio.**

**Membership allows full use of the CORC facilities, Operating Manual, subscription to the CORC Newsletter,  
and a vote at the annual meeting of the corporation.**

**Family member amateurs at the same address are NO additional charge, (No Vote at annual meeting)**

**See Other side for dues schedule      Dues Enclosed \$ \_\_\_\_\_  
Optional Donation - CORC is a 501(c)(3) corporation \$ \_\_\_\_\_  
Total \$ \_\_\_\_\_**

***Please mark one:***    ☐ ***New Application***    ☐ ***Renewal Application***

**Call Sign \_\_\_\_\_ Name \_\_\_\_\_ e-mail \_\_\_\_\_**

**Call Sign \_\_\_\_\_ Name \_\_\_\_\_ e-mail \_\_\_\_\_**

**Call Sign \_\_\_\_\_ Name \_\_\_\_\_ e-mail \_\_\_\_\_**

**Street Address \_\_\_\_\_**

**City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_**

**Home Phone (    ) \_\_\_\_\_ Alternate (    ) \_\_\_\_\_**

**How many of above are ARRL Members \_\_\_\_\_ (CORC is an ARRL affiliated club)**

**Check to Request Newsletter by e-mail (this saves the club mailing cost) \_\_\_\_\_**

**Please make check payable to CORC and mail application and check to:**

**Central Ohio Radio Club, PO Box 166, Sunbury, Ohio 43074-0166**

**For questions call membership chairman John, W8RXX @ 614-579-0522  
or visit the CORC website at [www.corc.us](http://www.corc.us)**

**Thank You for your Membership and Support!**

*Rev 1-20*

## CORC DUES 2021 SCHEDULE

THIS TABLE SHOWS DUES FOR MEMBERSHIP BASED ON MONTH YOU JOIN

Month you Join	Selecting \$18 One Year Plan		Selecting \$32 Two Year Plan		Selecting \$45 Three Year Plan	
	Pay	Expires on Dec 31	Pay	Expires on Dec 31	Pay	Expires on Dec 31
JAN FEB MAR	\$18.00	2021	\$32.00	2022	\$45.00	2023
APR MAY JUN	\$13.50		\$28.00		\$41.00	
JUL AUG SEP	\$9.00		\$24.00		\$37.00	
OCT NOV DEC	\$18.00	2022	\$32.00	2023	\$45.00	2024

Since 1970 CORC Membership still is only \$18.00 for 1 yr - \$32.00 for 2 years - \$45.00 for 3 years

If you have difficulty understanding this chart please contact John / W8RXX

THANKS for becoming a member!

# The Central Ohio Radio Club Newsletter

July 2021

**President**  
Laura Perone  
KA8IWB

**Vice-Pres.**  
Warren Hull  
W8WJH

**Secretary**  
Tony Fabro  
N8RRB

**Treasurer**  
Steve Robeano  
WD8JKX

**Newsletter  
Editor**  
Joe Hahn  
W8NBA

**Membership  
Chair**  
John Perone  
W8RXX

## **FM Repeaters**

53.70 /  
52.94 / 52.70  
51.70 /  
**W8RRJ**

146.16 / 146.76  
**W8AIC**

146.37 / 146.97  
**W8RRJ**

147.93 / 147.33  
**W8NBA**  
IRLP Node 8094

449.20 / 444.20  
**W8AIC**

447.80 / 442.80  
**K8NIO**

**D-Star Repeater  
G3 Gateways**

144.89 / 145.49  
449.00 / 444.00  
**W8CMH**

## Still waiting on 50th Anniversary Date...

We have held off in sending a newsletter waiting on a date that we could announce the 50<sup>th</sup> Anniversary Party, but we are still in Limbo. Hopefully we will have a date by the end of the summer. Unfortunately, Genoa Township Hall is still not available. More about this in the President's message.

The tech net is on hiatus until fall. They will have many interesting topics that will be discussed later this year. Tony N8RRB has a quick article on it.

John W8RXX, came to the rescue last week of a few people with an interference problem. He describes his exploits later in this newsletter with diagrams of the direction finding antenna.

On the back of the mailing page is a flyer for the Columbus Hamfest that can be printed out and stuck on your fridge as a reminder.

More information can be obtained at: <https://aladdinshrine.org/hamfest/>.

Also a copy of the Membership Application with pro-rated instruction on the back.



Your Newsletter Editor, W8NBA doing his retirement job!!!! ☺ Picture by the President who came out to see us! BTW the Cicadas were almost louder than we were...

# Greetings from the President

I hope all are well and most have had their Covid 19 shot.

It has been a while since the last newsletter because of the Covid situation.

We were waiting to get the go ahead from Genoa Township hall to have our next get together. Unfortunately we still do not have a date as they have not yet begun to rent out the room. We should before too much longer have a date and will send you notification as soon as we are informed. We want to meet with you as much as you want to meet.

In the meantime the club will have a table at the August 7<sup>th</sup> Columbus Hamfest in Grove City. Plan to stop by and say hello.

We have a lot to cover at the next meeting as Covid stepped in the way of our 50<sup>th</sup> anniversary party of the clubs repeaters being on the air. There is a Rock Bound Rig that needs a new home and a new Kenwood TM-281A 2 Meter mobile radio will find a home with some lucky winner.

We have quite a few new members as testing has been continuing thanks to Frank, KI8GW and ARRL VE Team members.

Remember to use the repeaters and help keep the hobby alive!

73,

Laura, KA8IWB  
CORC President

## Garage Door or Car Remote possibly not working?

*By W8RXX, John Perone*

Recently the Central Ohio Radio Club received the following message in the club webmasters email from a non-ham asking guidance. Here is that message:

*I have a very weird question for you and don't know if you are able to even help. We have 4 houses on our street that are being affected by radio interference. Our garage door openers do not work. If a car is left out in the driveway we are not able to lock / unlock it, and in some cases with a push button start we can't start them.*

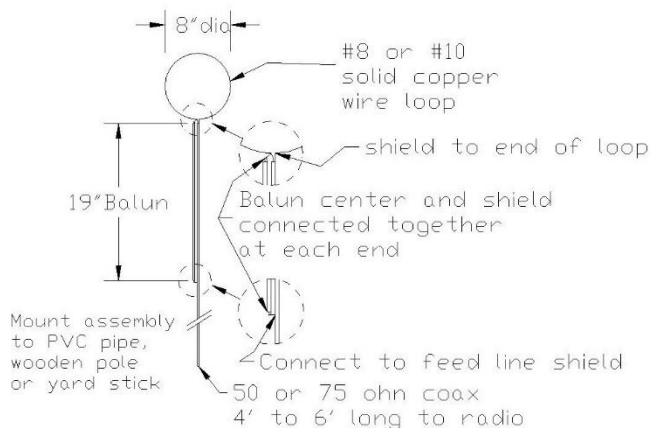
*It is our house and at least 3 others to the right and left of us. We figure it is some new internet, a wifi booster, or a security system of some kind. (We unplugged everything we had and that made no difference). As a ham radio operator are you able to determine where the interference is coming from, or what type of equipment is pushing out a constant signal?*

*I contacted the FCC but they said they don't usually deal with items on the 'Part 15' radio frequency spectrum.*

*Garage doors don't work and about 10-12 different cars (all makes) that don't work with the key fob. My 17 year old daughter has to manually lock and unlock her door. But then the panic alarm goes off until she jumps into it and starts it. Being that she leaves for practice every morning before 6:00am, this has not made the neighbors happy.*

*Any suggestion(s) you have would be appreciated.*

I contacted the individual asking additional questions and stopped by their address a day later with a handheld radio. I searched between 310 MHz. and 315 MHz. as this is where many automobile key fobs in the United States and garage door openers operate. (Some of the newer openers are at 2.4 GHz.) I put the radio in the AM mode and opened the squelch. It didn't take long, using a small loop antenna I use for direction finding, to locate the area of the generating source. Sure enough, the signal was strongest at the west side of their home. I called the individual and explained what I had found; needless to say they were very surprised and embarrassed. The Spectrum internet wireless router / modem was the offending device that they have in their home office on the second floor. The entire search & identify process took less than 30 minutes. This issue had been going on for months. Amateur radio to the rescue once again...



# Tech Net On Summer Break!

*By: Tony Fabro N8RRB*

The CORC Tech Net team would like to thank everyone who checked-in during Season 10 of the revived CORC Tech Net. Over the extended 18 session season, we logged 238 check-ins from at least 11 different counties. As a way to connect with the membership during the COVID-19 pandemic, the season started earlier when things were still very much locked down, and ended it when things started to open back up.

This year we encouraged our Subject Matter Experts (SMEs) to create presentation slides to enhance the presentation. The slides were posted on the CORC webpage at [www.corc.us](http://www.corc.us) and then reviewed during the net. These slides allowed the SMEs to provide photos and additional information that otherwise would not have been presented. Having visuals to augment the dialogue was a great success and we will continue to do this in the future.

Speaking of our SMEs, the net wouldn't be more than a "ragchew" net without them. In addition to presentations by the Tech Net team of Chuck WA8KKN, Rick WA3UOO, and yours truly, three very popular presentations were given by Mark Erbaugh N8ME on NanoVNA, RaspberryPi, and Arduino devices. John Montgomery N8PVC, Franklin County Emergency Coordinator, reviewed some of the recent winter weather events and gave us an overview of the Central Ohio Severe Weather Net (COSWN) operations. We also had Matthew Curtain KD8TTE, Net Manager of the Central Ohio Traffic Net, provide an overview of some digital modes and how they are being integrated into traffic handling and emergency communications.

Suggestions for future net topics can always be sent to the Tech Net team at [technet@corc.us](mailto:technet@corc.us). In addition, we encourage anyone with questions related to ham radio or computers to send us a note and one of us will get back to you.

The net will be back in the fall for Season 11. We hope to hear you on the net!

## From your CORC Membership chairman...

John / W8RXX

CORC would like to thank everyone that have either joined or paid their dues since our last newsletter. I know during the Covid virus some became unemployed and may not have had extra money to spend on hobbies. Please let me know if you are unable to pay your dues at this time & CORC will extend your membership thru 2021.



NOTE: Memberships that expired on 12-2020 will be deleted thirty (30) days following this newsletter.

## New Members... We have them!

The following have joined CORC since the last newsletter was printed. Please thank them for joining the club when you hear them on the air. Members and donations all help keep the club financially sound!

W1DOD – Pete	KE8RTF – Roger	KE8KJX – Dan	K9BE – David	KD8YQQ – Ed
KE8SGA – William	NI8W – Stephen	WU5W – Andrea	N8NES – Gregory	K8CEW – Chris
KE8QLC – Dan	KE8OLW – Greg	W8PRR – Rick	KE8RPJ – Steve	KC8TUX – Joni
KC8UVC – Michael				

A reminder... CORC has NOT had a dues increase since 1970. (Gosh... That's over 50 years, more years than many of our member are old) Even with our cost continually on the rise by minding our spending, having great volunteers, and keeping many paying members this has been possible. If you hear an amateur on our repeaters that is not on the roster invite them to take a look at the club web site at: [www.corc.us](http://www.corc.us) and consider joining. I have just made everyone a volunteer on the membership committee, thank you in advance. This will help keep the dues hopefully low for many years.

Many thanks to those who have donated their time, talent, money, printing, etc. since the last newsletter. They all help keep CORC financially sound.

W8RRJ	W8NBA	N8RRB	WA3UOO	AA8EY	K8TW	N8ZQ	WA3ZBU
KB8CIQ	KD8RID	WD8JKX	W9REH	W8WJH	WA8KKN	KA8IWB	W8RXX
	NI8W	WU5W	K8CEW	W8PRR	KD8VRN	W1DOD	

For those who miss those friendly Cicada's, here's a recipe for use in 17 years....

### Cicada Rhubarb Strawberry Crisp

- 8 tbsp. butter
- 3 lb. rhubarb
- ½ pt. strawberries
- 1 c. sugar
- 1-1/3 c flour
- ½ tsp. cinnamon
- 1 c. dark brown sugar, firmly packed
- ½ c chopped Cicada
- 2 Cicada as garnish

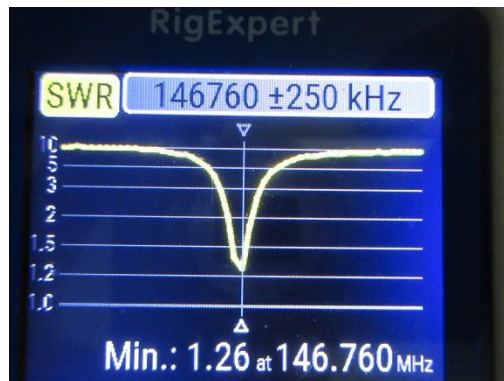


If 17 year Cicada out of season, substitute pecans or walnuts

## Repeater issues over the last several months:

The output level of the 146.76 transmitter was noticeably down for a week or so in June. Upon going to the site Chuck, WA8KKN and John, W8RXX found the SWR was EXTREMELY high and thankfully the RF power amplifier cut its power back as it was designed to do. What we found was an “N” connector barrel that was before the lightning protector had opened up. We don’t know if there was a lightning strike or if just the heat generated by the RF from the transmitter. Lesson learned: Don’t use inexpensive connectors on high power continuous duty transmitters, use ONLY silver (not chrome plated) connectors...

Here is the photo of the SWR on the antenna and feedline after repair.



The 146.97 repeater developed a strange voting receiver issue. It would vote certain receivers but not others. After troubleshooting John, W8RRJ found the backup battery (that was just replaced 10 years ago) failed to provide 12 VDC after the AC power supply had crowbarred without our knowledge.

## Kroger UPDATE:

Here are questions on the program that we asked Kroger:

QUESTION: Once an individual registers their Kroger Plus Card and designates an organization, does that designation continue until the individual changes it, or does it have to be renewed annually? ANSWER: At the current time we have no re-enrollment and the member will keep earning until the individual changes it.

QUESTION: If it has to be renewed annually, is it based on the month the individual registered, or an annual Kroger renewal date for everyone? ANSWER: If we decided to do a re-enrollment (to clean up the system and get all the old groups and card numbers out) we would notify the organization in plenty of time to get the word out and it would be all members at the same time, but there is no plans for this anytime soon.

Currently you do NOT need to re-enroll as in past years. Please continue to shop Kroger and your purchases continue to help support CORC. Remember... this program does NOT take away from your fuel points.

## The 2021 FINDLAY HAMFEST IS ON!

The 79th annual FINDLAY HAMFEST, **September 12th**, at the Hancock County Fairgrounds, 1017 E. Sandusky St., Findlay, Ohio. The show opens at 8:00AM. Rain or shine. Admission: \$1  
Flea Market spot: \$5

**Talk In:** 147.15+; 444.15+ PL 88.5Hz

**Phone:** 419-423-3402

**Email:** [hamfest@findlayradioclub.org](mailto:hamfest@findlayradioclub.org)



# COSWN and COVID Impacts

By John Montgomery – N8PVC

What a difference 18 months make in our lives and COSWN operations. Major changes happened along the way and we're not quite back to where we were and have taken steps to move past that point by updating technology and processes.

Government organizations have different parameters to operate from when compared to public and private enterprises. Everyone wants to keep staff and employees healthy. COSWN had to adjust and pretty much operated from home. Planned training sessions with the National Weather Service were cancelled as was access to auditoriums where presentations were to take place.

In Ohio we are on the path to exiting COVID restrictions. Many public enterprises responded quickly by allowing those fully vaccinated to access stores and restaurants without masks.

The National Weather Service normally conducts in-person training sessions but last year and this year switched to webinar training sessions. These sessions had capacity for 600+ attendees and were booked pretty quickly.

Most recently the NWS provided a session about the 2019 Tornado Outbreak. Normally this would be part of an Advanced Spotter Training session but it was held live and recorded. You can watch it here: [https://youtu.be/3xdhQO33K\\_o](https://youtu.be/3xdhQO33K_o) . It is detailed and is a little more than 2 hours long. We have received numerous positive reports about this session. I think you'll find it worthwhile.

COSWN is looking for additional Net Control Operators that can assist during severe weather. We provide training for this task. Much of the training is on-the-job but like license training there are a few tasks to tackle on your own time. Obviously, if you're in or near eastern Franklin County that is a plus.

Don't forget to visit the COSWN website where you'll find training information along with radar and satellite graphics. Use this URL to get to the main page.

<https://centralohiosevereweathernetwork.org/>

COSWN appreciates CORC and the use of their repeater systems during severe weather.