



# Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club

September 2025 — Issue 49



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## From the Editor

September and the coolness makes me think that Fall is near (actually it is!). It's a good respite from the heat and humidity that kept me indoors the first part of August. Time to go out and do a POTA activation. I made some good progress in my HF antenna grounding in my Fusion, so it's a viable POTA option instead of using picnic tables if I choose.

This month marks the end of a 15 year run in the Old Bellbrook Sugarcreek Elementary school building. We've made the clubhouse into something special over the years. Look in this Full Quieting for some photos that capture the essence of what experiences we have shared (I didn't have any October Chili Cook-off pictures to add, that was a big part of our Clubhouse experience too). Hopefully we will be able to set up our new clubhouse location to do the things we want to do. It will be different, hopefully it will also be a great experience. I think the fact we will have the same great people, just in a new location, gives me hope.

I hope you enjoy the articles this month. Enjoy the technical articles for sure, but also pay special attention to some information that Geoff KI5VNB, our President, has provided as guidance for us in using the new clubhouse. Follow his instructions and we will have an enjoyable experience.

**73, Ray Hitt, [N8VMX](#)**  
Full Quieting Editor

# Goodbye Old BARC Clubhouse



### **2024 BARC Officers and Directors**

President: Geoff Kline, [KI5VNB](#)

Vice President: Eric Bramini, [KC8OPY](#)

Secretary: Jim Gifford, [N8KET](#)

Treasurer: John Westerkamp, [W8LRJ](#)

Senior Director: Bob French, [AC8ZU](#)

Junior Director: Don Macon, [KE8WVJ](#)

### **2024 Coordinators**

Clubhouse: Jim Lusk, [KC8EFD](#)

Comm Center: John Westerkamp, [W8LRJ](#)

Contesting: Ken Gunton, [W8ASA](#)

Education: Paul Sharp, [WS8R](#)

Emergency Preparedness: Jim Lusk, [KC8EFD](#)

Field Day: Glenn Rodgers, [W8IO](#)

Full Quieting Editor: Ray Hitt, [N8VMX](#)

Hospitality & Librarian: Natinka Siwecki, [KD8NUA](#)

IT: John Westerkamp, [W8LRJ](#)

Lunch Bunch: Jim Totten, [WA8HUB](#)

Net: Paul Sharp, [WS8R](#)

Public Service: Don Parker, [KB8PSL](#)

QSLs: Roger Hoffman, [WB9BXT](#)

Repeater: Russ Roysden, [N8NPT](#)

Tech Night: Bob French, [AC8ZU](#)

Webmaster: John Westerkamp, [W8LRJ](#)

### **BARC Net: Every Sunday, 8 PM Local**

147.045 (+) (118.8 PL enc and dec) [Alt = 443.675]

### **Directions to BARC Clubhouse and Comm Center**

Rooms 1 & 3 Lower Level Sugarcreek Elementary School

51 S. East Street, Bellbrook (One block east & one block south from the traffic light in downtown Bellbrook)

Enter at South end of building

## **Member Interviews**

BARC wants to hear from you!

Whether you're a long-time BARC member or a brand new one, young or old, please tell us about yourself. Here are some simple guidelines, although you're free to use whatever format you're comfortable with.

This page is all about you. It's your chance to let BARC members to get to know you better.

Here's are a few sample questions to help get you started, but you can write whatever you want.

Please send us some pictures of anything you want BARC to see (you, station, antennas, pets, family, anything)

- When you were first licensed?
- How did you learn about Ham Radio (HR)?
- Why did you become a Ham?
- What are your current HR interests?
- What are you most passionate about regarding HR?
- Tell us about your stations (past, present, and future)
- What was the most exciting thing that happened to you in HR?
- What do you do for a living?
- Would you like to say something about your family?
- Do you have other hobbies or interests?
- Any other comments for BARC?



# *President's Corner*

This is going to be a busy month. With school starting and summer winding down, we have a lot of club activities happening. I hope to see you at one of the many events planned for September.

As many of you know, the big **move-in day for the new clubhouse** is set for **Saturday, September 6**. You should have already received an email asking for volunteer help that weekend. We have been informed that we are expected to vacate the old location by the end of this month. Water, power, and heat will be turned off at the end of September. There will also be various volunteer opportunities throughout the month to unpack and set up the new clubhouse, so please keep an eye on your email.

On **Saturday, September 13**, we will be holding “**BARC in the Park**” at **Cowan Lake State Park**, at the dance pavilion. We'll have several radios set up for anyone to use, and you're welcome to bring your own gear as well. Lunch will be provided, and it should be a great day to operate, socialize, and enjoy radio outdoors.

Our **membership meeting (September 18)** will be at the old clubhouse. We'll give the space a proper send-off with a **tailgate party**, food, and stories from over the years. There will also be equipment to look through and if you see something you want, please consider donating to help offset our relocation costs. In addition, there will be a raffle, organized by Jim Gifford (N8KET) and Don Macon (KE8WVJ). We are looking for equipment donations to build raffle baskets. Please contact Jim or Don if you have a donation and need it picked up or drop it off in the bins at the old clubhouse. Buy as many tickets as you like at the meeting for a chance to win. All proceeds go directly to BARC to help with moving expenses.

The **old clubhouse** will also be open on several days this month for members to look through items that are not being moved. Please consider rescuing some items from the bulldozers, and if you take something, a donation toward our moving costs is greatly appreciated. The clubhouse will be open:

- Monday, September 8, 5:00–7:00 p.m.
- Thursday, September 11, 5:00–7:00 p.m.
- Sunday, September 14, 2:00–4:00 p.m.
- Thursday, September 18 – during the membership meeting

Please remember that now that school is in session, the parking lot may also be used for school events. Be careful of pedestrians, especially during evening meetings. At our August meeting the lot was full, and while we don't expect that every time, it's something to be mindful of.

Finally, September is also a **great month for radio**. Keep an ear out for **Route 66 On The Air (Sept 6–14)**, one of the most popular special events of the year. The **ARRL September VHF Contest (Sept 13–15)** is another fun opportunity to test your 6-meter or 2-meter station and see what you can work. And with the **fall equinox on Sept 22**, HF propagation often improves, making it an excellent time to chase some DX.

Let's make the most of the month, both moving into our new clubhouse and getting on the air!

73, **Geoff Kline**, [KI5VNB](#)





# What's Up BARC?

What's Up BARC?

Ray Hitt, [N8VMX](#)

Announcements regarding any member news including: new equipment, antennas, grandchildren, children, pets, operating news, etc.



## Welcome New Member!

**Flynn Roberts, KF8ETR, Technician** (just passed exam), grandson of Al Tokarsky, KB8PJW. Congratulations! Hope to hear you on the air soon!

## Full Quieting Receives 3rd Place in the 2025 Ohio Section Newsletter Contest.

Ray Hitt, *Full Quieting* Editor, accepted an award on behalf of BARC on Saturday, August 2nd, at the Columbus Hamfest. *Full Quieting* was selected for 3rd place among all the Amateur Radio Newsletters in the ARRL Ohio Section.

Tom Sly, WB8LCD, the Ohio Section Manager, along with Elizabeth Kline, KE8FMJ, the Ohio Public Information Coordinator, presented the award. The newsletters are judged based on such things as **Content** (original, useful), **Audience** (inviting, informative, understandable), **Visual** (pleasing, flows well, not crowded, not too plain, wow factor), **Contact Info** (easy to contact club officers or article writers), **Call to Action** (Inviting people to become new members, or to recruit new members, new hams).



I think we do pretty well in these areas, and it's nice to get recognition at the state level for our club newsletter. While I do some heavy lifting as the Editor, I want to thank each and every one of you who have written articles and columns for *Full Quieting*. It truly is a BARC team effort, and I appreciate you for the content you provide the Newsletter, it really makes *Full Quieting* what it is. Please keep it up!

**Ray Hitt, [N8VMX](#)**  
**Editor, Full Quieting**





# What's Up BARC? (continued)

## BARC in the Park – September 13, 2025

Mark your calendars! On **Saturday, September 13**, BARC is heading outdoors for “**BARC in the Park**” at beautiful **Cowan Lake State Park**. We’ve reserved the **Dance Pavilion** for the day, giving us plenty of room to operate radios, experiment with antennas, and just enjoy time together in the fresh air.

### Radio Fun for Everyone

- **POTA Activation** – Never tried Parks on the Air? This is the perfect chance! We’ll have multiple radios and antennas ready to go. Whether you want to run QRP, pass the mic around to stir up a pileup, or bring your own gear, you’ll be on the air in no time.
- **September VHF Contest** – Test your station and your skills! Rules can be found [here](#). For your logs, the park’s Maidenhead grid square is **EM89**.
- **Fox Hunt** – Sharpen your direction-finding skills in a fun hidden transmitter hunt. Bring your HT if you have one (we’ll have loaners and directional antennas available too). Foxhunting isn’t just fun, it’s a real-world skill used to track down interference, lost aircraft, lost boats, and more.

### Lunch & Fellowship

We’ll be serving **lunch at 11:00 am**. If you’d like to eat with us, please **RSVP by Saturday, September 6** by emailing [ki5vnb@gmail.com](mailto:ki5vnb@gmail.com) so we can plan food accordingly.

### Getting There

For the easiest GPS directions, set your destination to “**Cowan Lake Disc Golf Course**” (not just “Cowan Lake”, that’ll send you to the wrong side of the park).

Pavilion GPS coordinates: **39.38261, -83.90313**

### Bonus Activities

Cowan Lake offers more than just radio! Bring the family and enjoy the **disc golf course, archery range, and beach** nearby.

### Helpful Links

[Sign up for POTA](#) → *Help/Getting Started* → *Sign Up for POTA*

[POTA FAQ](#)

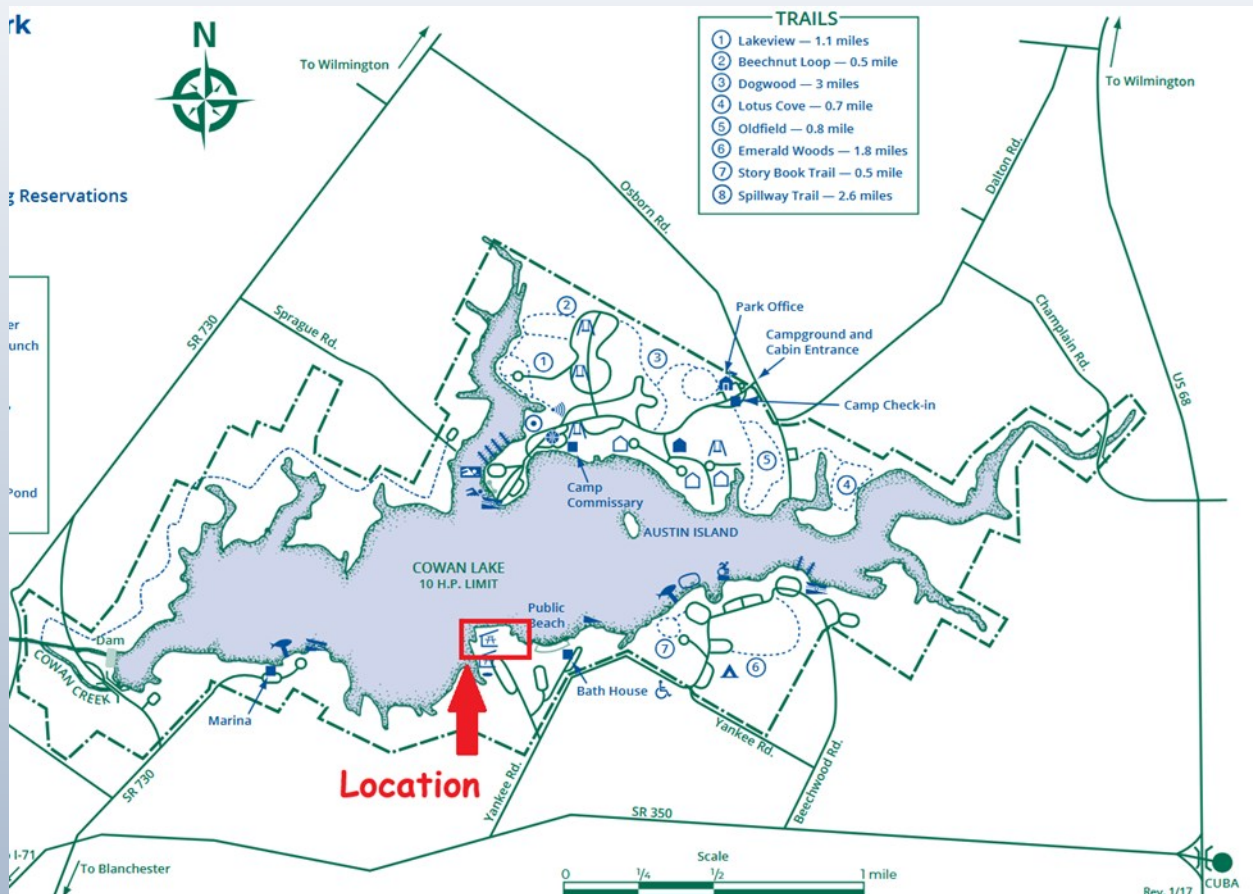
[ARRL September VHF Contest Rules](#)

We’re looking forward to a full day of radio, food, fun, and fellowship. Come out, make some contacts, chase a fox, and enjoy the camaraderie that makes BARC special. See you at the park!



## What's Up BARC? (continued)

### Cowan Lake State Park (US-1943)



[Link to Cowan Lake State Park POTA page](#)

[Link to Cowan Lake Ohio DMR page](#)

[Google Map link to Dance Pavillion \(click and send to your phone\) coordinates: 39.38261, -83.90313](#)

## What's Up BARC? (continued)

### BARC Fund Raiser

At the September meeting in the old clubhouse parking lot, we plan to have a raffle-ticket fund raiser, but we need your help.

- We are asking for donations of GOOD ham radio used equipment. For example I have an MFJ Versa Tuner II already in hand for one of the prizes.
- Perhaps you have an extra HT to donate. We can even use smaller items, which we will add to a box with a larger prize.
- Here is an idea: If you happen to visit our friends at R&L, buy a \$10 gift certificate so we can place it in a prize box.
- Depending on the number and quality of YOUR donations, we will have several boxes of goodies for your bidding pleasure.
- We will sell raffle tickets, at affordable prices, with which you may place in a jar next to whatever you hope to win. Or, you can place tickets in several jars—your choice.
- You may buy as many tickets as you wish. You can literally fill a jar with your tickets in hope your number will be chosen.
- At the end of the meeting, winning tickets will be pulled and announced.
- Of course all proceeds will be placed in the BARC treasury.
- If you have something to donate, contact Jim Gifford or Don Macon. Use the email [KD8APT@gmail.com](mailto:KD8APT@gmail.com), and one of us will arrange to get your donation before the September meeting. We will also have a donation box in the old clubhouse should you wish to leave your donation there.

**Questions? Call or text Jim Gifford 937-718-6126**





## What's Up BARC? (continued)

### BARC Swag from Emerio KE8JNQ

In April's planning meeting, the club officers approved Emerio KE8JNQ to offer a variety of items for sale all in Blue BARC Color. These items complement the other items being offered for sale from other vendors. Notice that the logo is a larger size so other Amateur Radio Operators can see it better. All BARC members get this discount price. If you need more information or would like to order, contact Emerio KE8JNQ. His telephone number is 937-546-9477.



### BARC Swag from Parrot Promo Essentials

We have polo shirts, sweat shirts, hoodies, t-shirts, ball caps, and softshell jackets from Parrot Promo Essentials. You can order them directly from our website, at <https://bellbrookarc.org/wp/order-barc-gear/>. These shirts are a little more expensive than those offered by Emerio, but they match the ones you've seen many of us wearing already.

### BARC Mugs from Chris Hanselman, AD8OM

For those of you wanting 20 oz insulated BARC mugs, please contact Chris Hanselman, AD8OM, at [deeremt@gmail.com](mailto:deeremt@gmail.com). They are offered in Blue with silver print and Black with copper print. They will keep cold things cold and hot things hot for hours. I use mine almost every day and love it!



# Officer, Director, and Coordinator Inputs

**Treasurer:** John Westerkamp, [W8LRJ](#): We are currently faced with a large number of expenses for our relocation effort and those expenses dominated our August finances. At this point, anticipated expenses will approach our current bank balance. To help with the BARC relocation effort, we are asking for donations from our membership to help offset the costs associated with upgrading the new clubhouse space and purchasing new antennas for the site. Donations are not required and any amount no matter how small would be appreciated. We have funds to cover most of the expenses (maybe all), but our account will be seriously depleted after all is said and done.

To that end, an anonymous donor has generously agreed to match all donations up to a total of \$2000 so your donations are effectively doubled! Thank you to the anonymous donor and thank you to the BARC membership for supporting our relocation effort in any way you can.

**Repeater:** John Westerkamp, [W8LRJ](#): During the month of August, the Internet feed to the repeater site suddenly went down. On-site investigation revealed that the microwave link that normally provided the Internet feed was no longer operational. The repeater site owner who owns the Internet feed has been contacted and is looking into the issue. Until it is resolved, we are no longer able to support any services requiring the Internet including AllStar, EchoLink, and Wires-X.

**Website:** John Westerkamp, [W8LRJ](#): Lots of Public Service and Operating events coming up including the Air Force Marathon and the BARC DXpedition to Cowan Lake. Watch the website and Newsletter for more information along with news about our summer relocation now scheduled for Saturday, September 6.

And don't forget about the Member Forum where you can ask questions and make announcements. The website has a new section *Mentors and Experts*! You can find a list of experts by selecting *Mentors and Experts* under the *Membership* tab. Send your questions via the *Contact* page for our *Experts*!

**Communication Center:** John Westerkamp, [W8LRJ](#): The *ad hoc* Clubhouse Committee is continuing to prepare the radio room at our new location before we move the equipment. The walls have been painted, carpet has been installed, and a PVC pipe through the roof for coax has been installed. We have also moved out Internet service from the old clubhouse to the new clubhouse. We are ready for the big move day on Saturday, September 6! Check the website for ways you can help with the move.

**BARC Net Manager:** Paul Sharp, [WS8R](#): Every Sunday at 8:00 PM you can listen to and participate in the exciting BARC Net, on 147.045. For the 4 weeks in August 2025, there were approximately 66 check-ins lasting 153 exciting and informative minutes. Topics ranges from Open Mike, Parks on the Air, favorite HF band, and did you participate in the Ohio Parks On The Air.

Our faithful Net Controllers are, Larry Darner KD8RER, Connie Gifford W8CSG, Jim Gifford N8KET, Tink Siwecki KD8NUA, Eric Bramini and Paul Sharp WS8R. John Westerkamp submitted his resignation for being the Net Control on the 5th Sunday of the month. Eric has volunteered to take that place.

**Antenna Committee:** Ray Hitt, [N8VMX](#): Took down the R9 vertical at the old clubhouse. Moved tilt bracket to new clubhouse. Had our first meeting, going over technical issues for the antennas we are planning to install in the short term, the R9 Vertical, a Hexbeam, an 80-10m end-fed half wave, and 2m/70cm. Developing process to formalize approval, and perform the installation.



# BARC August 2025 Event Calendar

**Tue September 2, 2025**

**6:30pm POTA SIG Meeting** ..... Where: BARC Clubhouse

**Thu September 4, 2025**

**7pm Planning Meeting** ..... Where: BARC Clubhouse

**Sat September 6, 2025**

**9:45am Moving Day** ..... Where: **Old BARC Clubhouse**

**Sun September 7, 2025**

**8pm Weekly Net** ..... Where: 147.045+ (118.8 Hz tone)

**Tue September 9, 2025**

**11:15am Lunch Bunch** ..... Where: First Watch

**Sat September 13, 2025**

**7:15am—7:45pm BARC in the Park**..... Where: Cowan Lake State Park

**Sun September 14, 2025**

**8pm Weekly Net** ..... Where: 147.045+ (118.8 Hz tone)

**Thu September 18, 2025**

**7pm Membership Meeting** ..... Where: **Old BARC Clubhouse**

**Sun September 21, 2025**

**8pm Weekly Net** ..... Where: 147.045+ (118.8 Hz tone)

**Tue September 23, 2025**

**11:15am Lunch Bunch** ..... Where: Submarine House

**Wed September 24, 2025**

**7pm Tech Night** ..... Where: BARC Clubhouse

**Thu September 25, 2025**

**7pm Dessert and Movie Night** ..... Where: BARC Clubhouse

**Sun September 28, 2025**

**8pm Weekly Net** ..... Where: 147.045+ (118.8 Hz tone)





# BARC Movie and Dessert Night



## Upcoming Dates & Selections for Our 2025 BARC Movie & Dessert Nights:

Date	Movie	Genre	Actors
September 25, 2025	<b>Mission Impossible: The Final Reckoning</b>	Adventure	Tom Cruise, Haley Atwell, Ving Rhames
October 23, 2025	TBD		

### Past movies and Desserts:

January 23, 2025	<b>Harvey</b> (1950)	Carrot Cake & Carrots
February 27, 2025	<b>Edge of Tomorrow</b> (2014)	Macarons, Cheese cake
March 27, 2025	<b>Paul, Apostle of Christ</b>	Angel food cake & Holy Donuts
April 24, 2025	<b>Jurassic World: Dominion</b>	Dinosaur eggs & ice cream sundaes
May 22, 2025	<b>Twisters</b> (2024)	Pound cake with fruit & a twist of Whipped Cream
June 26, 2025	<b>Fly Me to the Moon</b> (2024)	
July 24, 2025	<b>Witness</b> (1985)	
August 28, 2025	<b>Captain Ron</b> (1992)	

We are planning a full calendar of movies for the 2025 BARC Movie and Dessert Nights: September and October included! Our plan is to continue our BARC Movie & Dessert Nights after the move to a new clubhouse.

BARC movie nights are now held on the **Fourth Thursday** of each month **January** through **October** at **7:00 PM in the Common Meeting Area** at our new location. We take November and December off for the holidays. At each movie night we pop up, *fresh*, BARC's famous popcorn and you never know what we will come up with for dessert!

***We'll see you in September at the Movies!***

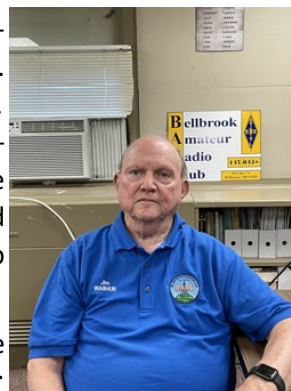
Tink  
KD8NUA



# Lunch Bunch

Jim Totten, [WA8HUB](#)

Hello my fellow lunch lovers. August 2025 is just about over. We may have had showers in April, May, June and July but the fading days of August have been dry and chilly. It is time — time to renew our lunch meetings for this new month, **September 2025**. To recap: Our club meetings are on Thursdays. The Planning meeting is the first Thursday of the month and the General meeting on the Third Thursday. Our Lunch schedule is the second and fourth Tuesday of each month. If a scheduled Tuesday gets slammed by some unforeseen event the lunch is just cancelled. The invitation messages will go out Wednesday or Thursday of the previous week.



Now, how will the lunches be selected? Accompanying this information page is the same chart in last months *FQ* listing our current set of restaurants. The **September** restaurants are highlighted. I updated all of the dates for all of the restaurants on our list. This published list is the order we will select each lunch day. You now know what the whole order is and know what's coming next.

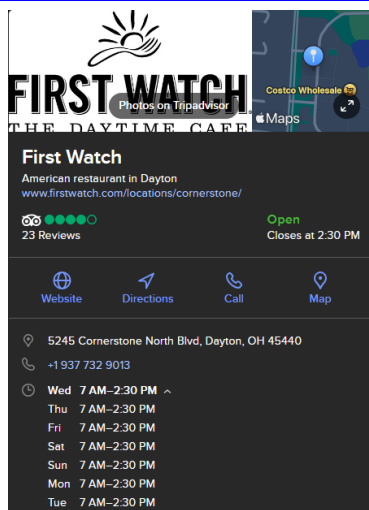
How did we do in August? On August 12, 2025 we had lunch at Another Broken Egg Cafe in Beavercreek. This is one of our top rated venues. We had 8 hungry folks. Their menu is outstanding. Our next adventure was on August 26, 2025 at The China Garden Buffet in Airway Center at the corner of Woodman and Col. Glenn. Another hungry bunch. You cannot go hungry here. Unlimited trips to the many pans of food. Seven intrepid souls attacked the buffet. We had a very new member attend, Mark Schreiner, NK8Q. He was just added to the LunchBunch list and he jumped on the meal.

Now for the **September** offerings. On Tuesday September 9, 2025 our stop is **First Watch** at 5245 Cornerstone North Blvd. Sugarcreek Township, OH 45440. Tele (937) 429-9013. This restaurant is only open 7:00 am to 2:30 pm. The menu is extensive. Tuesday September 23, 2025, the venue is the **Submarine House** at 3195 Dayton-Xenia Rd. Beavercreek OH 45434. Tele (937) 429-8650. There are several Submarine Houses in this area, but this location outshines them all. The kitchen staff are wonders. Their location is between a Marion's Piazza and a LARGE Kroger.

That's a wrap for this month. Happy eating.

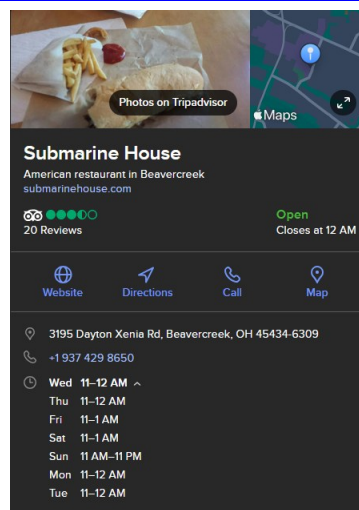
73, Jim [WA8HUB](#)

## [Tuesday, September 9<sup>th</sup>, 11:15am](#)



*Click pictures or hyperlinks  
for more info and maps*

## [Tuesday, September 23<sup>rd</sup>, 11:15am](#)



# Lunch Bunch List

Jim Totten, [WA8HUB](#)

Date	Restaurant	Address	City	Phone Number
07/22/25	Cherry House Cafe	1241 Meadow Bridge Dr	Beavercreek, OH 45434	(937) 320-6200
08/12/25	Another Broken Egg Cafe 7:00 am to 2:00 pm	2453 Esquire Dr.	Beavercreek, OH 45431	(937) 912-5074
08/26/25	China Garden Buffet	112 Woodman Dr. Airway Shopping Center	Dayton, OH 45431	(937) 781-9999
09/09/25	First Watch 7:00 am to 2:30 pm	5245 Cornerstone North Blvd	Sugarcreek Twp, OH 45440	(937) 732-9013
09/23/25	Submarine House	3195 Dayton-Xenia Rd.	Beavercreek, OH 45434	(937) 429-8650
10/14/25	Roosters Wings	2430 N. Fairfield <i>The Shoppes at FC</i>	Beavercreek, OH 45431	(937) 702-9500
10/28/25	Butterbee's	217 Progress Dr.	Xenia, OH 45385	(937) 352-6504
11/11/25	Shawarma Grill	2844 Colonel Glenn Hwy	Fairborn, OH 45324	(937) 429-4959
12/09/25	Chic-Fil-A	5301 Cornerstone N Blvd	Sugarcreek Township, OH 45440	(937) 439-1700
01/13/26	Culp's Cafeteria	1000 Carillon Blvd	Dayton, OH 45409	(937) 293-2841
01/27/26	City Barbecue	2001 E. Dorothy Lane	Kettering, OH 45420	(937) 200-1006
02/10/26	Marion's Piazza	1320 N Fairfield Rd.	Beavercreek, OH 45432	(937) 429-3393
02/24/26	Red Robin	2671 Fairfield Commons Blvd.	Beavercreek, OH 45431	(937) 320-9800
03/10/26	Beavercreek Pizza Dive	4021Dayton-Xenia Rd.	Beavercreek, OH 45432	(937) 431-8669





# A Fond Farewell To the BARC Clubhouse

Ray Hitt, [N8VMX](#)

This month, September 2025, marks the last month that BARC (or anyone) will be using the old Bellbrook Sugarcreek Elementary School building at 51 S. East St in downtown Bellbrook. Ironically, this is also the 100<sup>th</sup> anniversary of this building. But the time has come, this building is no longer viable for occupancy, and we are moving to a new clubhouse in the St. Pierre Education Center at 3757 Upper Bellbrook Rd, Bellbrook, OH.

BARC was founded in 1974, “chartered” in 1976, and moved into the old Elementary School building in 2010, where it has been until the end of this month. Many memories have been formed in the clubhouse over the years. Many new hams got their licenses or upgrades after taking in-person classes in the clubhouse. We have taught many how to solder, build antennas, analyze their radio’s performance, and much more during countless Tech Nights. We have had luxurious meals and/or deserts before monthly Movie Nights, and great snacks and popcorn before always entertaining Monthly meetings. Many of you have assisted in putting up the array of antennas on the roof and helped build up the 4 fully-equipped ham stations in the clubhouse. Many operating contests and at least three Field Days have been conducted in the Clubhouse.

Most all of these activities will be doable at our new Clubhouse once everything is set up. Perhaps not at the scale we enjoyed at the old clubhouse, and not all on day one, but we can learn and grow the new clubhouse to be what we want it to be, for all of us. But for now , in this article, I wanted to share a photographic experience of the old clubhouse one last time.

Everyone, treasure the memories we created here, and be prepared to create new ones at our new location!



*Bellbrook Sugarcreek Old Elementary School, Front*



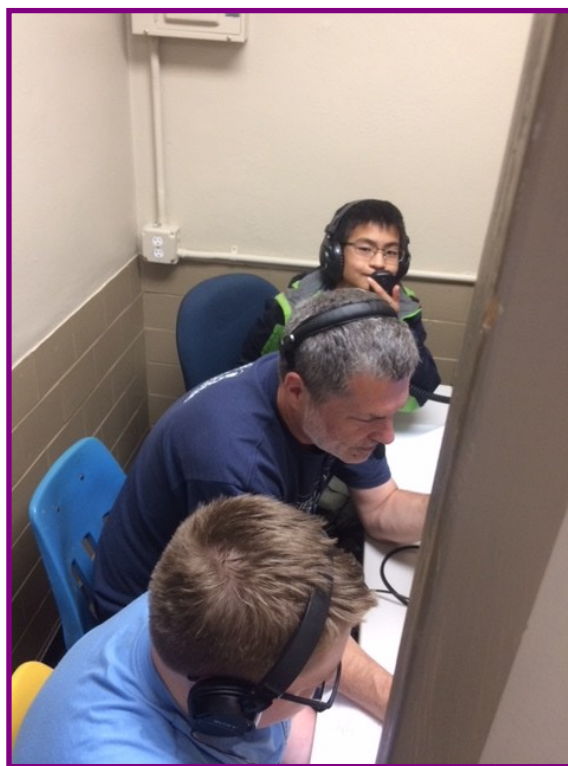
## A Fond Farewell To the BARC Clubhouse (continued)



*Beams on towers, R9 Vertical, and other station antennas on roof*



*Building end-fed half wave antennas at Tech Night*



*Scouting Opportunity to use an Amateur Radio Station*

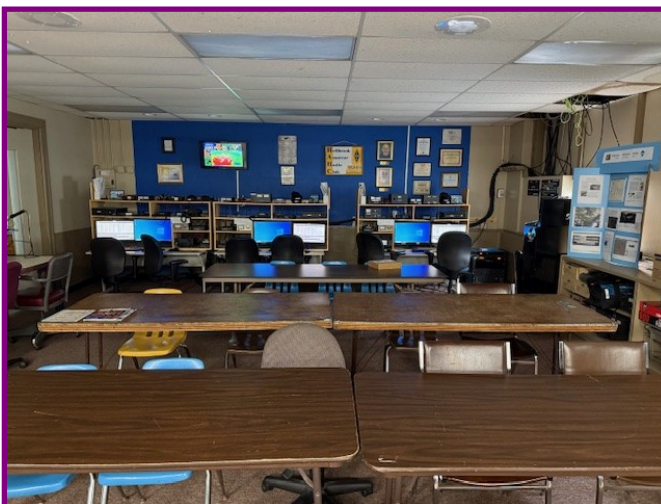




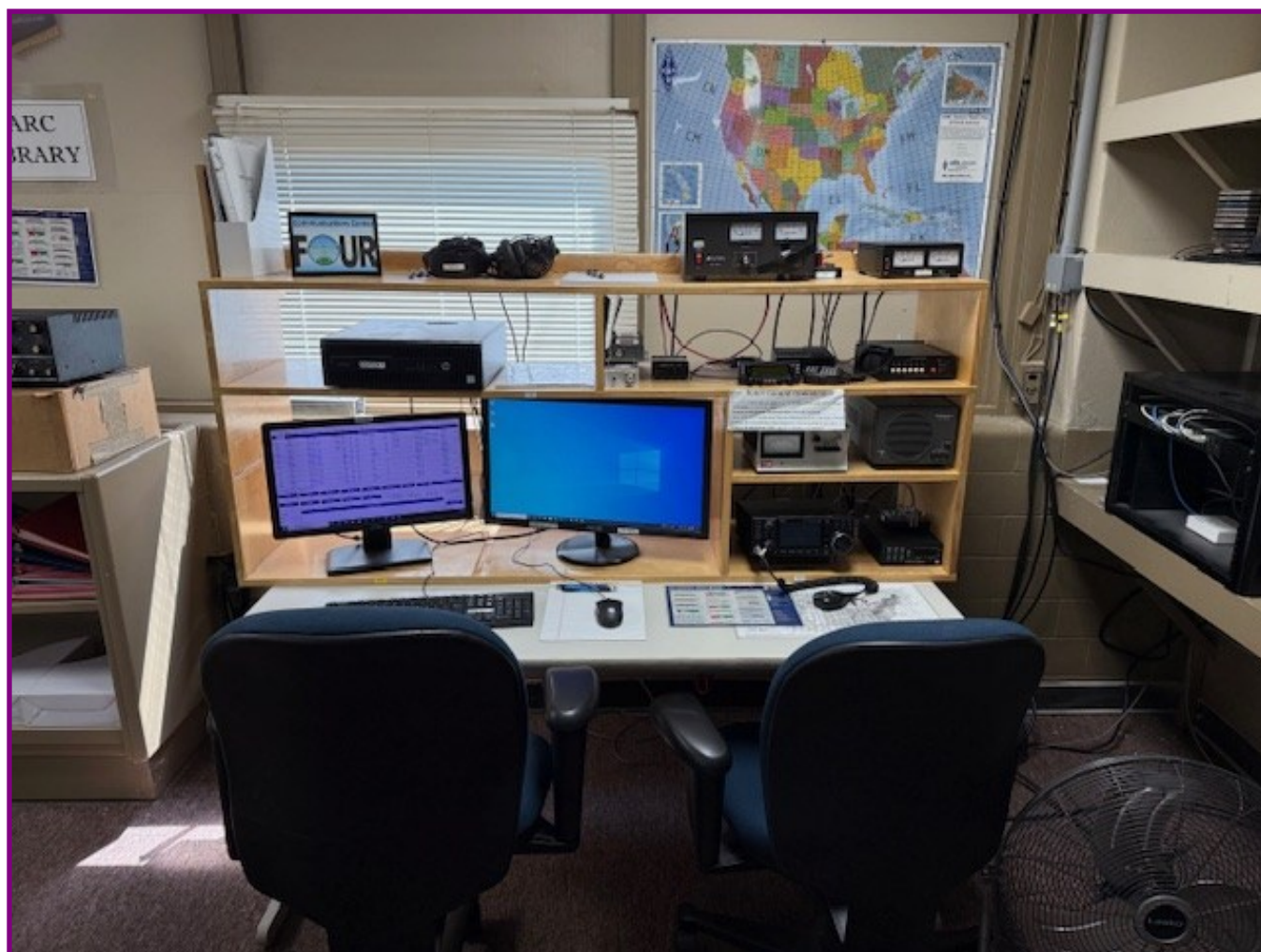
## A Fond Farewell To the BARC Clubhouse (continued)



*Clubhouse Facing Front*



*Clubhouse Facing Rear*



*Amateur Radio Station Four, Front Left Side of Clubhouse*





## A Fond Farewell To the BARC Clubhouse (continued)



*Clubhouse — Presenter's View*



*Repeater from "Build-A-Repeater" Training Classes*

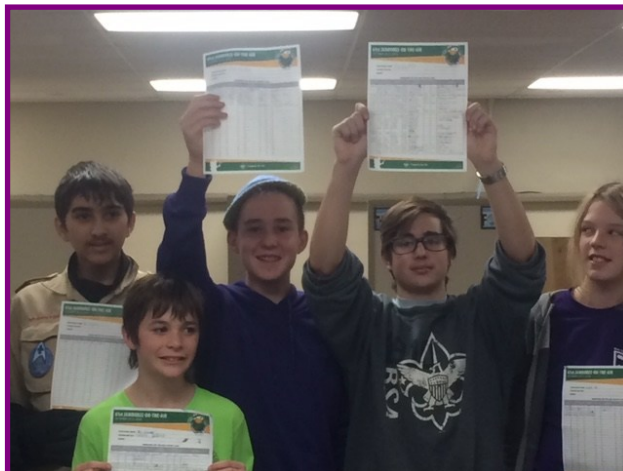
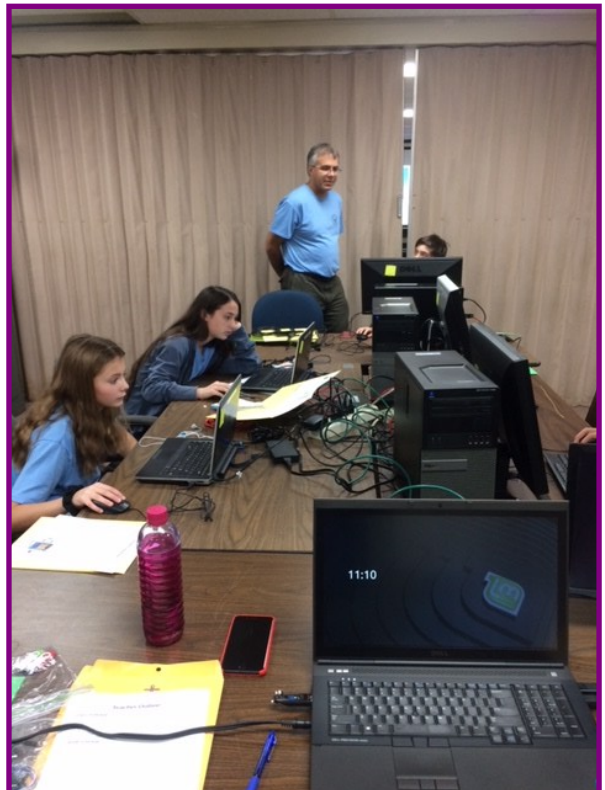


*Operating Event, Field Day?*





## A Fond Farewell To the BARC Clubhouse (continued)



*Numerous Scouting Activities at the Clubhouse*





## A Fond Farewell To the BARC Clubhouse (continued)



2024 Special Event Station "W8W" Celebrating 121st Anniversary of Powered Flight



Instructing Youth on Radio Operations



Field Day 2025



Drilling Mounting Holes for R9 Tilt Bracket



Troubleshooting Vintage Receiver





## A Fond Farewell To the BARC Clubhouse (continued)



*Beams on East Tower*



*Antennas on East Tower, West Tower. R9 Vertical*



*Inner Plaque From President's Podium*



*Outer Plaque From President's Podium*



# Using the New Clubhouse

Geoff Kline, [KI5VNB](#)

As we move into our new clubhouse at the **St. Pierre Education Center (3757 Upper Bellbrook Rd.)**, it's important that all members understand and follow the school's security procedures. Because this building is part of an **active school campus**, we must fully comply with their rules to protect students and maintain our access.

## Building Access

- **Entry:** Use the doors on the right side of the building.
- **Parking:** Anywhere in the front lot.
- **PDC Meeting Room:** Enter the vestibule, pass through the second doors, turn left, first door on the right.
- **Radio Room:** From the vestibule, go straight down the hall to the gym doors on the left, then first door on the left.

## Lights & Keys

- Main hallway lights are in the vestibule, the light switch is on the right wall.
- Gym lights are motion-activated.
- Keys (3 sets) are in the outside lockbox (speak with a club officer or coordinator for access). If you're first in, keep the key fob until you leave; always return a set so others can get in.

## Mandatory Sign-In During School Hours

- **Between 7:30 a.m. and 4:00 p.m., Monday–Friday (August–June):**
- **ALL members, guests, and contractors MUST sign in.**
- **Bring a driver's license** — the system requires it for a quick background check. Once cleared a badge will be printed for you to wear
- **No exceptions.** If asked, say you're with the BARC radio group.

This is the most critical rule. Please remind your guests before visiting. Failure to comply could risk our ability to use the facility.

## Other Rules

- No latex, balloons, peanuts, or weapons.
- Stay in the PDC meeting room, radio room, or nearby restrooms.
- Do not congregate outside of these areas during the school year.

## Weather & Scheduling

- If school is closed for bad weather, clubhouse activities are also cancelled (unless the superintendent grants permission).

**Let's all do our part to keep this partnership strong.** Following these procedures ensures that BARC has a safe, secure, and welcoming home for years to come.





# 2025 Ohio QSO Party

Mark Schreiner, [NK8Q](#)

I recently participated in the Ohio QSO Party (OQP), and noticed a couple of other club members submitted their scores from the OQP under this club as well (Tom, KE8FWZ and Jeff, KJ6XC). QSO Parties are operating events known as contests (I just call it “binge operating”), but they are a bit more friendly (or less intense and slower paced) than some of the bigger contests. Like Field Day, they are a good way to get started with contesting as I found most operators are more helpful and patient than some of the big DX contests. The Pennsylvania QSO Party is known as “The Friendly QSO Party” because of old license plates there that had a slogan “[You’ve Got a Friend in Pennsylvania](#)”. I had participated in the PA QSO Party for a couple of decades during the time I lived there before moving to Ohio a couple of years ago. Last year I participated in the Ohio QSO Party for the first time and had fun, so of course I wanted to do it again!

For those of you unfamiliar with QSO Parties, the exchange (always listed in the rules for the event) is typically a signal report and the county you are operating from, or if you are outside of the state that is sponsoring the QSO Party the exchange includes the state or ARRL section that you are operating from. The PA QSO Party’s exchange is a serial number (instead of a signal report) & county and for those outside of PA they give their ARRL Section, which is generally a state but in larger states may be broken down into smaller portions like Eastern Pennsylvania and Western Pennsylvania. But, Ohio is just Ohio, so that makes it easy. More on the PAQP later.

For the Ohio QSO Party, everyone is trying to work stations in Ohio but those stations outside of Ohio can only work stations in Ohio, while stations in Ohio can work anyone, anywhere. It makes it feel like you are rare DX because finally DX stations are calling YOU instead of the other way around! Logging is typically done with logging software such as N3FJP or N1MM Logger or a variety of other programs which keep track of all the contacts that you make, and help you figure out the raw score as well. Contacts are made on HF on 80, 40, 20, 15 and 10 m bands and can be on either SSB or CW. SSB contacts are worth one point each and CW QSOs are worth two points each. Multipliers are the number of Ohio Counties, States, Canadian Provinces and DX, with multipliers counting for both CW and SSB. Ohio has 88 Counties so a “clean sweep” of all the counties would be a total of 176 multipliers. Final score is calculated based on total QSO Points x total Multipliers.

There are various entry categories for the Ohio QSO Party including Single Operator, Multi Operator, Emergency Operations Center (EOC), Mobile and Rover. Single Operator entries are further broken categorized by output power: QRP (5W or less), Low Power (more than QRP and up to 100W) and High Power (greater than 100W). I think due to lack of overall participants all of the categories are lumped into Mixed Mode and there is no CW Only or Phone Only categories. There is a club competition as well which is the total score of all the logs that were submitted by individual members claiming to be a member of a club. Last year I submitted as a member of DARA but as I recently joined BARC I claimed BARC as my home club when submitting my score this year. The rest of the rules for the Ohio QSO Party can be found on the official [OQP website](#). As I’m sorta new to the OQP, I’m still getting a feel for it compared to the more familiar PA QSO Party that I have more experience operating.



## 2025 Ohio QSO Party (continued)

I generally do not operate from home, mostly because I don't have much of a station set up there yet, but also because I like to operate portable to operate for events like this. It gets me out for a change of scenery. Last year I operated from Darke County, east of Greenville at the Darke State Wildlife Area, which also counts for POTA US-9455 where I had 167 QSOs (127 on CW and 40 on Phone), but got a late start, had technical difficulties and had to pack up to leave by dark so I missed the last 3 hours of the event. Even with that, my overall score last year was about 28k which got me 2<sup>nd</sup> Place in Ohio for the Single Operator QRP category. I wanted to do better this year!

I met some friends recently whose father owns some woods in Darke County, just north of the village of North Star, about a mile below the Mercer County line and a bit west of US-127. After finding out more about that property it sounded like a good place for me to operate for the 2025 OQP. It was described as a 10 acre woods in the middle of a 75 acre farm field, generally off-grid. There is a covered picnic pavilion and a "tool shed" that has solar power that charges a couple of large LiFePO4 batteries with an AC inverter to plenty of power for my laptop and extra monitor. Eventually, I was able to speak with the owner to explain what I was interested in doing and he thought it would be okay for me to set up my radio and antennas to operate there for the day. I arranged for a "site survey" so I could better plan for the event and to check to see if the solar charging would cause any RF interference. It was VERY quiet when I took my radio along and set up a quick temporary antenna and checked the bands from 40 – 10 meters. One of the things I like about operating portable at a location that is off-grid is that the noise levels are much lower than what I generally have at home (in town) so that I can hear weaker radio signals really well. There was a lot of old-growth (tall) trees and a nice clearing for me to stretch some antenna wires between trees. I decided it was a perfect location to operate, and then asked if it would be okay to spend the night as the event finishes at midnight and I didn't really want to pack things up in the dark and drive home for 90 minutes afterward. I was allowed to stay in the "tool shed" overnight (although I offered to pitch a tent), so that worked out, and my friends were there overnight as well.

A couple of days prior to the OHQ, which ran from noon to midnight on Saturday, August 23<sup>rd</sup>, I started to pull all my gear together, including various portable antennas, feedlines, ropes, radios, logging computer, etc. I got everything connected at home on a dining room table and configured to work, including an Icom IC-705 as a primary radio and an Elecraft KX3 as a secondary radio, configured with an interface box to operate as Single Operator Two Radios mode (SO2R) using N1MM+ for logging. Friday night I packed the truck so I could get an early departure on Saturday morning.

I arrived on Saturday, August 23<sup>rd</sup>, at "the woods" shortly after 8 AM to put up antennas and get the radio gear set up. My friends had spent the night and were already there, but I couldn't tell if they were awake or not since they didn't get there until about midnight, so I didn't bother them and started to unpack and deploy my antennas. Before long they came out to see what I was doing. They had no idea what ham radio is so they were curious to see what I do. As I was about to put up my 2<sup>nd</sup> antenna her brother, Dan, showed up because he was also curious and followed me around like a puppy and offered to help. I put him to work as an extra set of hands does come in handy when raising antennas. The tall trees really begged me to get antennas high up, which I easily was able to do using a slingshot, six-pound test monofilament fishing line and a ½ ounce (lead-free) sinker, a technique that I



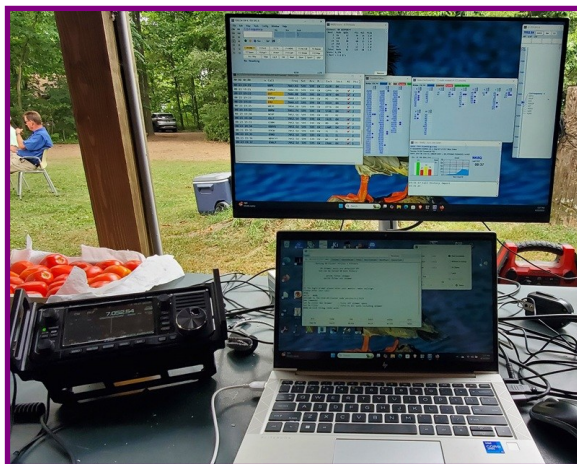


## 2025 Ohio QSO Party (continued)

have perfected over several decades to get the line up and over just the right part of the tree. The real trick is to get the sinker to fall back to *terra firma* so that I could haul up either some masonry twine to support an antenna wire, in some cases just use the fishing line itself or in more extreme cases using the masonry line to haul up a heavier rope to support heavier antennas. I stayed away from the Shag Bark Hickory trees that were tall but will easily snag the fishing line, rope or whatever. I stayed in the Maple and Oak trees instead to support my antenna wires.

The antennas I deployed were two nearly identical End Fed Half Wavelength Antennas (EFHWA) that both worked on 40 – 10m as well as an 80m EFHWA. The nice thing about using an EFHWA is that the feedpoint is close to the operating position and minimal feedline length (and loss) is required. In one case, the feedpoint for the first 40m EFHWA was about 7 or 8 feet above ground and tied off to a post on the picnic pavilion and a 15' length of RG-174 was run from the feedpoint to my radio. The second 40m EFHWA's feedpoint was elevated into a tree near the operating position so used a longer length of RG-8mini. The 80m EFHWA's feedpoint was hauled fairly high into the same tree and also used a length of RG-8mini. Antennas were fully deployed by 11 AM with the QSO Party starting at noon. I was in good shape, or so I thought!

I set up the two radios and computer, all just like I had it set up previously at home a couple of nights before. Do you think I could get the two radios to operate correctly with the SO2R setup? I have no idea why not, but after troubleshooting until 12:30 PM, one half hour passed the start of the event, I decided that I should cut my losses and go back to a single radio configuration to make contacts. Getting contacts in the log and operating was better than continuing to troubleshoot and make no contacts, so I was a bit disappointed. But, so it goes, that is not the first time that has happened to me! I decided to use the IC-705, mostly because it has the built-in spectrum display, although I also have the matching Pana-dapter (PX3) for the secondary radio, the Elecraft KX3. I also picked the IC-705 over the KX3 because I had four voice memories programmed that could be recalled with F-Keys using N1MM+ in order to minimize how much I actually needed to speak into a microphone in order to make a QSO. I made my first QSO at 12:42 PM (1642Z) with WX8S, later than I had planned, but I was finally on the air!



Once I was off and running I was having fun logging stations. However, Dan, who is also an electrical engineer, continued to be interested to see what I'm doing, so I had to explain more of the operation to him, let him listen in (I normally use a headset) and took a bit of time away from my normal cadence of operating to explain things to him. I only made four QSOs by 1 PM due to the distractions. But, as it is unusual that somebody is keenly interested, I thought that it was worth my time to be an ambassador for the hobby. He kept checking back with me throughout the day and evening to see how I was doing. Also, my friends eventually had many family members who came to visit along with



## 2025 Ohio QSO Party (continued)

some friends, and a large fire was started in the fire pit, luckily not close to my ropes, feedlines or antenna wires (I planned accordingly). The benefit of the fire was later realized when they cooked up some burgers and bratwurst and I was fed well while I continued to operate. I also found out that my skills at visiting with them while operating CW (multi-tasking that I am normally not very good at) seemed to work out okay.

My goal for the 2025 OQP was to win 1<sup>st</sup> Place Ohio QRP, and set a new record for Darke County (I set the QRP record for Darke County last year, since I think maybe nobody had previously entered from Darke as QRP). To do so I figured I needed about 50k points. I beat my previous score from 2024 by about 6 PM, half way through the event! I was pretty happy and things were going well. I find that CW is a lot easier for QRP so I didn't operate much on SSB, and also CW QSOs are worth two points per QSO so that is a big advantage as well. By 8 PM I had 50k points and had achieved my score goal which I thought would be enough to secure 1<sup>st</sup> place for QRP, but of course I kept going. I set a new goal of 70k. By 11 PM I hit the 70k goal at which point I revised my goal again to 80k, which I achieved a few minutes before the end of the event at Midnight.

NK8Q Score - 80,912 Points					
Contest: OH QSOPARTY					
Band	Mode	QSOs	Pts	Mult	Pt/Q
3.5	CW	114	228	10	2.0
7	CW	195	390	52	2.0
7	LSB	26	26	22	1.0
14	CW	53	106	16	2.0
14	USB	2	2	1	1.0
21	CW	13	26	3	2.0
Total	Both	403	778	104	1.9
Score: 80,912					
1 Mult = 3.9 Q's					

There were times during the evening that I was literally laughing out loud (LOL). Mostly I would laugh when I noticed that I had a really good run going or had a good rate or certain contacts that I had that just seemed too easy for QRP. I must admit, radio propagation was extraordinarily good, so that helped a lot. The 80 m band was noisy with thunderstorm noise, of course, but I was still making quite a few QSOs on that band also. Notable call signs that made me chuckle were having DL3DXX

8/29/2025 02:57:56Z OH QSO Parties (US and Canada) - NK8Q.s3db										
MM-DD HH:MM	Call	Freq	Snt	Rcv	M...	Exch	Sect	M1	Pts	
08-23 16:42	WX8S	7261.83	59	59	LSB	WARR	OH	✓	1	
08-23 16:53	KF8AHK	7232.99	59	59	LSB	HARR	OH	✓	1	
08-23 16:57	K8BL	7041.45	599	599	CW	LAKE	OH	✓	2	
08-23 16:59	AB1A	7222.00	59	59	LSB	MONR	OH	✓	1	
08-23 17:15	K8NZ	7222.17	59	59	LSB	MADI	OH	✓	1	
08-23 17:19	KW8N	7225.36	59	59	LSB	LORA	OH	✓	1	
08-23 17:46	N8PE	7237.07	59	59	LSB	CLER	OH	✓	1	
08-23 17:54	KF8I	7265.06	59	59	LSB	MIAM	OH	✓	1	
08-23 17:56	W8HH	7270.01	59	59	LSB	WASH	OH	✓	1	
08-23 18:06	K3TW	14253.30	59	59	USB	FL	FL	✓	1	
08-23 18:20	N6AR	14045.97	599	599	CW	FI	FI	✓	2	
08-24 02:38	OM2VL	3552.06	599	599	CW	DX	DX		2	
08-23 22:50	OM2VL	7037.54	599	599	CW	DX	DX		2	
08-23 18:55	OM2VL	21045.39	599	599	CW	DX	DX		2	
08-23 18:29	OM2VL	14045.97	599	599	CW	DX	DX	✓	2	

from Germany call me on 20 m CW mid-afternoon and again later on 15 m CW and then again one more time on 40 m CW in the evening. Even more amusing to me was that Laci, OM2VL, in the Slovak Republic did the same as DL3DXX but he also called me on 80 m CW within about a



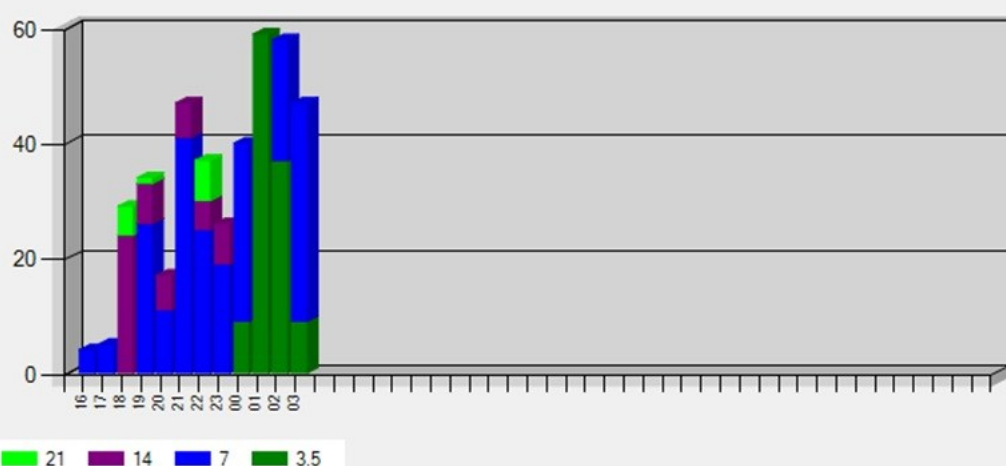
## 2025 Ohio QSO Party (continued)

half hour before the end of the contest. WOW! I later learned that he used a Beverage antenna on 80m and was able to work many Ohio stations that evening. Hearing my QRP signal on 80m all the way to Slovakia, though, really surprises me (the station that receives my signal does all the hard work). He found me because I was spotted thanks to the Reverse Beacon Network (RBN), another great benefit of using CW and sitting on a frequency and calling CQ!

QSO Parties (US and Canada) - 2025-08-23 1600Z to 2025-08-24 0400Z - 408 QSOs  
NK8Q Max Rates:

2025-08-24 0352Z - 4.0 per minute (1 minute(s)), 240 per hour by  
2025-08-24 0216Z - 1.8 per minute (10 minute(s)), 108 per hour by  
2025-08-24 0126Z - 1.1 per minute (60 minute(s)), 65 per hour by

NK8Q - QSO Parties (US and Canada) 8/23/2025 4:00:00 PM



QSO Parties (US and Canada) - 2025-08-23 1600Z to 2025-08-24 0400Z - 408 QSOs  
NK8Q Runs >10 QSOs: for computer named: MARKNK8Q

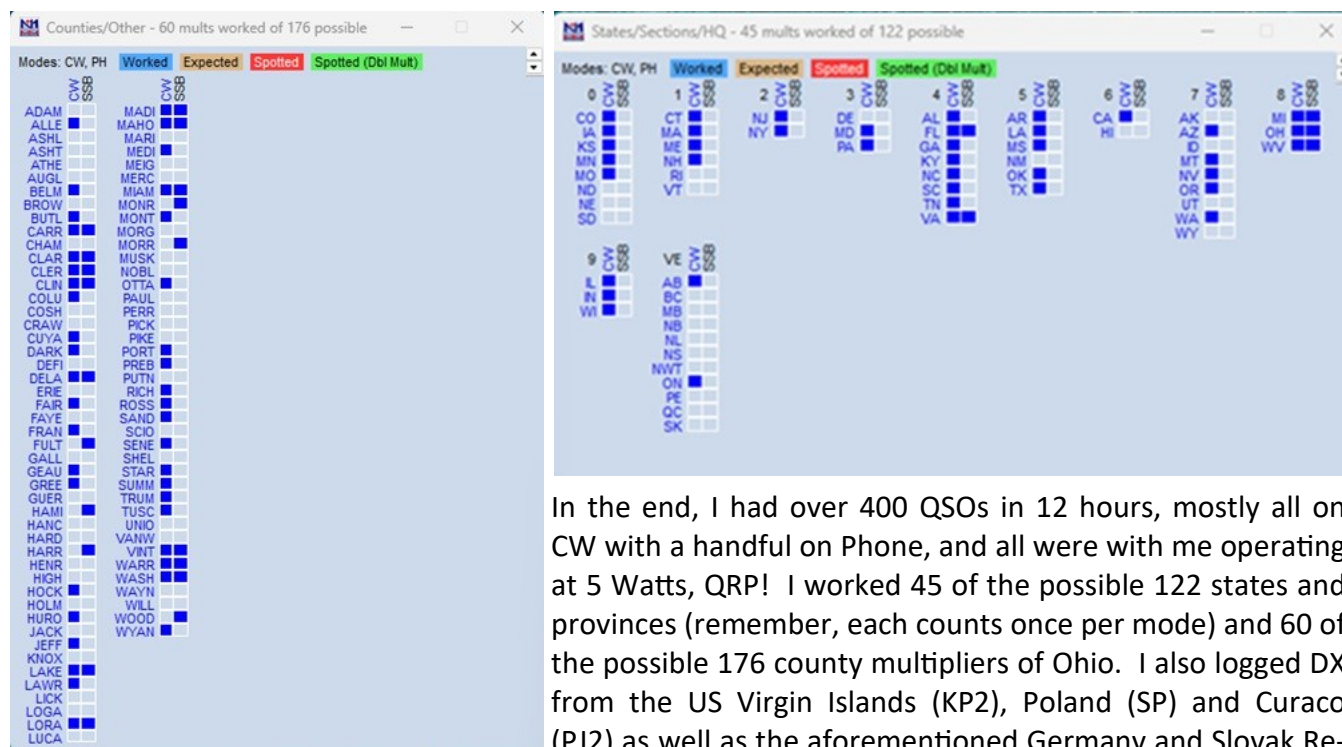
2025-08-23 1820 - 1837Z,	14046 kHz,	19 Qs,	69.5/hr NK8Q
2025-08-23 1930 - 1948Z,	7053 kHz,	17 Qs,	55.0/hr NK8Q
2025-08-23 2130 - 2154Z,	7039 kHz,	38 Qs,	92.8/hr NK8Q
2025-08-23 2235 - 2255Z,	7038 kHz,	24 Qs,	70.2/hr NK8Q
2025-08-23 2332 - 2348Z,	7037 kHz,	16 Qs,	62.7/hr NK8Q
2025-08-24 0028 - 0045Z,	7049 kHz,	25 Qs,	87.2/hr NK8Q
2025-08-24 0056 - 0156Z,	3552 kHz,	65 Qs,	64.6/hr NK8Q
2025-08-24 0207 - 0220Z,	7049 kHz,	21 Qs,	103.3/hr NK8Q
2025-08-24 0226 - 0258Z,	3552 kHz,	34 Qs,	65.6/hr NK8Q
2025-08-24 0301 - 0328Z,	7046 kHz,	29 Qs,	65.1/hr NK8Q

After the contest was over I checked some statistics and found that the best QSO rate in one minute was 240 QSOs per hour (which was four QSOs in one minute). But, that was fleeting. However, I had QSO rates of just under one per minute for the last few hours of the contest, from 9 PM to midnight, which was a key time that I missed in 2024 because I had to pack up and leave the Wilderness Area by dark (which I stretched a bit).





## 2025 Ohio QSO Party (continued)



In the end, I had over 400 QSOs in 12 hours, mostly all on CW with a handful on Phone, and all were with me operating at 5 Watts, QRP! I worked 45 of the possible 122 states and provinces (remember, each counts once per mode) and 60 of the possible 176 county multipliers of Ohio. I also logged DX from the US Virgin Islands (KP2), Poland (SP) and Curacao (PJ2) as well as the aforementioned Germany and Slovak Republic QSOs.

I had hoped for more Counties in Ohio, though, so what went wrong with that? Frankly, I think my antennas were too high! Huh? Is that possible? Yes! I should have kept one of my 40m EFHWAs lower and probably laid down a single or maybe three “reflector” wires on the ground below it to help with [Near Vertical Incidence Skywave](#) (NVIS) which is better for “in state and near state” QSOs. Also, I normally spend about as much time doing Search and Pounce (S&P) as I spend running. Running is when I call CQ and let others find and work me while S&P is when I tune around looking to contact others who are calling CQ. I likely would have spent more time doing S&P except when I restarted the N1MM+ logging program when I decided early on to operate with just one radio instead of two, I accidentally had selected “Unassisted” which did not allow me to receive any of the spots via a Telnet session. Had the spots been coming through I likely would have “chased” more of the Ohio stations, especially mobiles like Jim, K8MR (who is the Chairman of the OQP), who drive through as many counties during the 12 hours as he can while operating (maybe he drives to a county, parks, and then operates, or maybe he has a driver). Same thing with chasing Rovers. That was a tactical error on my part, but regardless, I’m still pleased with the results. A comparison of the number of QSOs would be that for the PA QSO Party, about the best I’ve done there (where there are only 67 counties compared to 88 here in Ohio) during the 24 hour contest period was about 650 QSOs, so having 400 QSOs in 12 hours is AMAZING! However, I always try to learn from my mistakes, so next year I will try to do better!



## 2025 Ohio QSO Party (continued)

Did I win 1<sup>st</sup> place Ohio for QRP? We won't know for a while yet as logs are not due until September 22<sup>nd</sup> and then it will likely take a few months until the results are published. However, one good sign is that the Kevin, W8NI, who was 1<sup>st</sup> place Ohio QRP last year (with about 34k) sent me a text message saying that he got 68k this year and he congratulated me on my raw score of 80,912. I returned the compliment to him for his efforts and doubling his score from last year. We compared notes a bit further and we both had great experiences with high QSO rates, however he had to go QRT (shut down) at 10 PM so that he would be rested for Sunday morning when he goes to work (as a pastor) while I got to keep contesting until midnight and then sleep in on Sunday morning. So, I think we were about equal up until that point at 10 PM! My advantage was the extra two hours of "Butt In Chair" (aka BIC) time that I was able to sustain this year.

What are my goals for next year? Well, I don't know yet if I'll find a new QTH to operate from or maybe go back to "the woods" in Darke County. I may find a new county that needs to have a new QRP record set (that seems easily accomplished). I of course always want to have a higher score next year than this year. I did notice that the overall record for Ohio for QRP is just under 137k points. While I thought that seemed untouchable, I'm willing to try to beat it! The station that set that record in 2017 operated from home with Yagi antennas on a tall tower, so he had some good advantages over what I can do portable, but that means I just need to try harder! Maybe with a working SO2R setup, a lower antenna with ground wires under it for better NVIS and a working spotting network I may have a chance!

A shorter term goal for me is to drive back to Pennsylvania for the 2025 PA QSO Party which is the 2<sup>nd</sup> full weekend of October. I'm heading up a multi-op team there in Greene County (yes, PA has a Greene County also, located in the southwestern part of the state) from a cabin at Ryerson Station State Park (POTA US-1415) with two Phone operators and two CW operators. The county record there is 158k and I expect to get well over 200k to set a new record. PA does not currently keep separate records for different power categories and the 158k record was set by a group of guys a few years ago who operated with Low Power (up to 100W). In the PA QSO Party, QRP stations get a 2x multiplier. I always bet that with a 2x multiplier with QRP I'll be able to do better than most Low power stations, meaning I would make more than half the number of QSOs that Low Power does. I've won that challenge several times, and it is part of my fun with QRP. However, records are listed as QRP if that was how they were set, so they sort of keep track, but for now do not list records separately for each power category. I've done several other Multi-Op QRP operations for the PA QSO party and once had a score of over 400k from Centre County (using the callsign N3TWM) to set a new record that beat a major contest station in that county that had been held for many years. We'll see what happens in October. We will be using the callsign W3G, a special event 1x1 callsign that we thought would also work well for Greene County. Please look for me or one of our operators and give us a shout so we can get you in our log!

If you are interested in doing the Ohio QSO Party as a Multi-op QRP effort next year from an interesting location, let me know. Or, if you could recommend a good place where I could operate as Single-Op QRP, I'm open for suggestions!

Thanks for taking the time to read this article. Feel free to contact me if you have any questions, comments or suggestions.





# Vertical Antenna Analysis Using NanoVNA—Part 4

Ray Hitt, [N8VMX](#)

In Part 4 of my series of using a *NanoVNA* to measure various vertical antennas, I will present results of a 22-foot WW2 vintage vertical that I found in Fred Stone W8LLY's (sk) garage when we were examining the numerous amateur radio items left in his estate in spring 2024.

**SCR-506 22-Foot Vertical:** In the [September](#) and [October](#) 2024 *Full Quieting* Newsletters, I described this antenna as being part of the SCR-506 Radio Set. This was used in WW2 in various tanks, amphibious trucks, personnel carriers, command vehicles, and more. This antenna all stows in the BG-56-A bag. My set of antenna segments is missing one piece, I have seven of the eight required for the full 25-feet. As it is, I have a 22-foot antenna consisting of seven pieces. Six of the pieces are the original pieces shown here with the BG-56-A bag (Figure 1 left), while the 7th piece (Figure 1 center) is an dual-threaded mast piece that was available separately from Fred that allowed these to connect to a standard 3/4"x24 threaded base. This antenna is so tall it needs to be guyed (Figure 1 right)

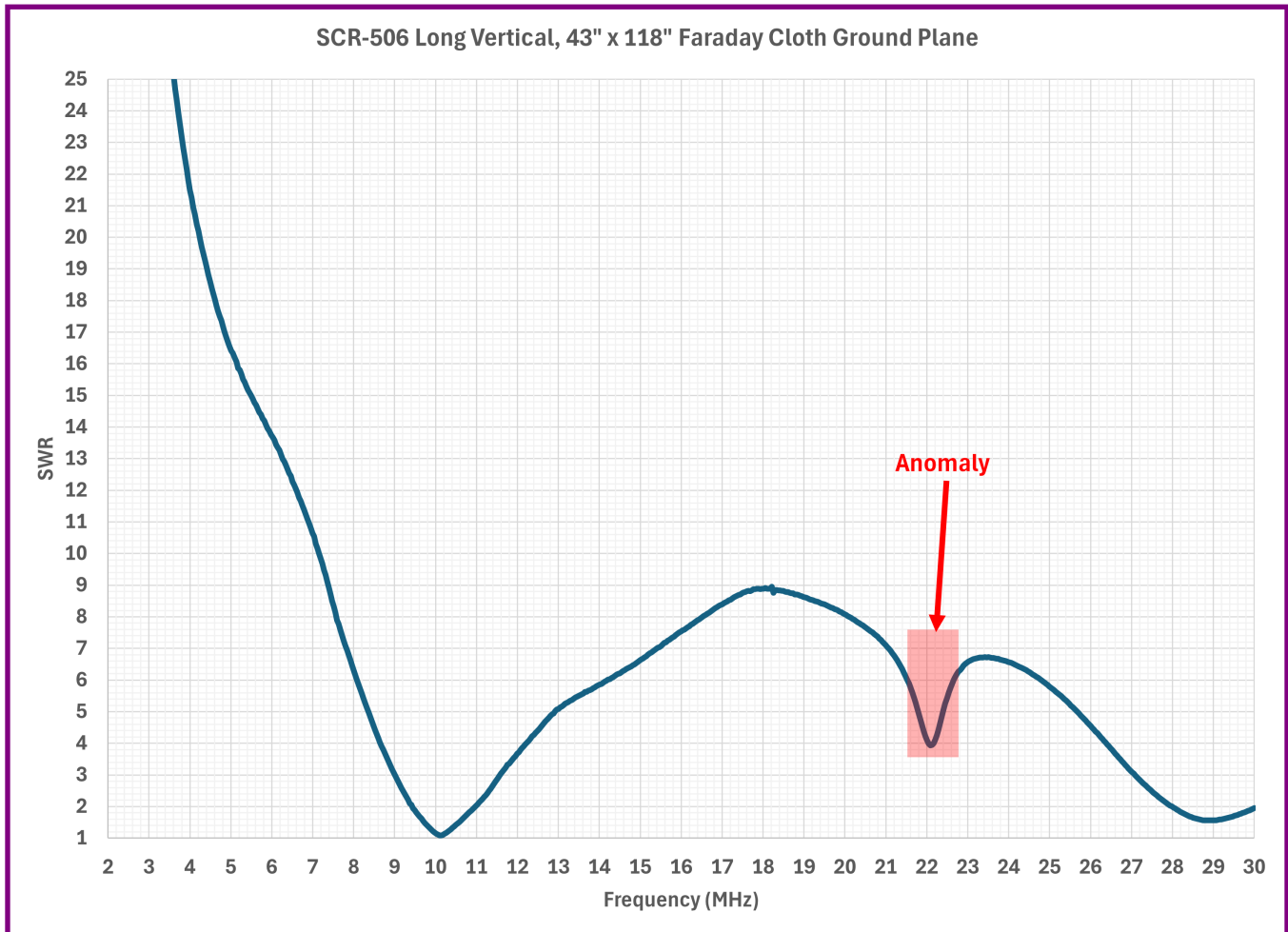
The Big Kansas Coil (BKC), BKC tripod base, a 4" coil spring, and a bayonet connector are used to erect this antenna. This antenna is a monster to set up and use. I needed these measurements to show me when it would be worth the pain of setting this beast up. I suspected the 80m and 40m bands would benefit the most from this historic antenna!



Figure 1 - BG-56A Antenna Bag with 6 Antenna Mast Sections, Dual-Threaded Mast Adapter, and Full Antenna Deployed

## Vertical Antenna Analysis—Part 4 (continued)

**Baseline Measurements:** I conducted a NanoVNA SWR sweep from 2-30 MHz, using a single 43" X 118" Faraday cloth ground plane. The result is shown in *Figure 2* (2-30 MHz) and *Figure 3* (zoomed in 8-12 MHz). Something interesting about this antenna is that it's not only resonant in the 30-meter band (just above 10 MHz) but in the 10-meter band too. It's below 2:1 across the whole 10-meter band! Remembering some antenna theory, this is near the third harmonic of the resonant frequency of 10.1 MHz. That's a nice feature. There is also a resonant anomaly around 22 MHz that has shown up with every antenna I have analyzed so far, regardless of what type of ground plane I used, radial, single or double Faraday cloth. I need to study this further to find this resonance and eliminate it if possible. I need to see if it significantly changes any readings further up or down in frequency.



*Figure 2 - 22-foot Vertical Antenna, 2-30 MHz SWR Sweep, Coil Bypassed, Single 43"x118" Faraday Cloth*

Looking at Figure 2, the lowest SWR is at 1.1:1, and aligns perfectly with the 30-meter band (10.000—10.150 MHz). So, using this antenna for 30m FT-8 would be a no-brainer. And this is without using the Big Kansas Coil at all, it's totally bypassed. Likewise, I could instantly switch to 10-meter and work without a coil. It would be interesting to see what the antenna pattern would be, because when you're working at a 3rd harmonic, there will be lobes in the pattern, not the typical donut shape that a vertical dipole would provide. That's a topic for another day!



## Vertical Antenna Analysis—Part 4 (continued)

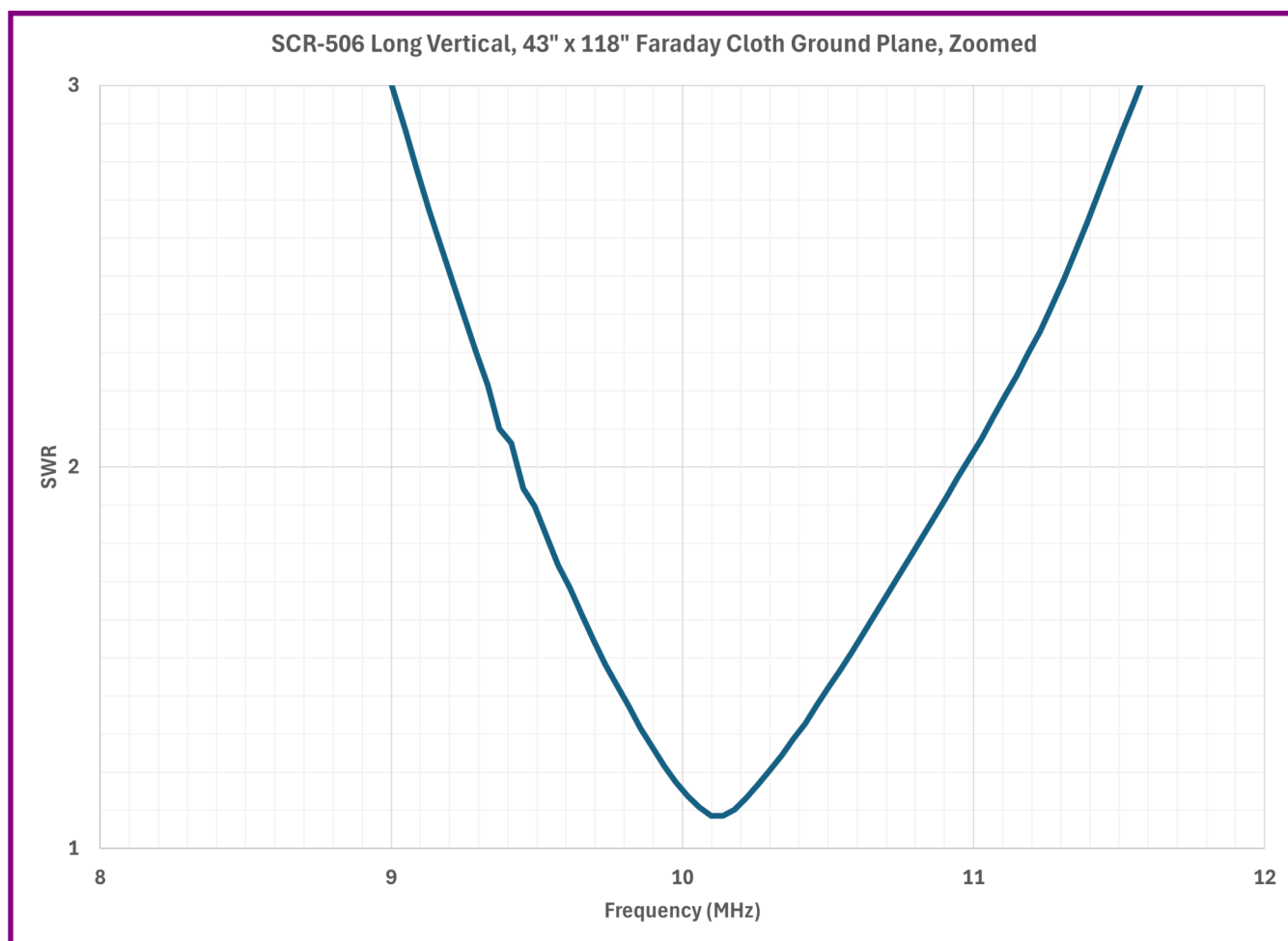


Figure 3 - 22-foot Vertical Antenna, 12-12 MHz SWR Sweep Zoom, Coil Bypassed, Single 43"x118" Faraday Cloth

**Raising the Resonant Frequency:** This antenna is constructed of antenna mast segments that you screw together to assemble it. The segments get progressively narrower as you go further up the antenna. This antenna can operate with 1, 2, 3, ...7 segments just by detaching the uppermost segments and working your way down until you reach the desired antenna length/resonant frequency. As each roughly 3.14 foot segment is removed, the resonant frequency goes up accordingly.

I conducted additional SWR scans from 2-30 MHz for 7,6,5, down to only 2 segments. I opted to not measure the SWR of only one segment since it would resonate well above the 2-30 MHz I am interested in here.

Figure 4 (next page) shows the resonant frequency for all 6 SWR sweeps on one chart as the 7-segment antenna was cut down in size to 6, 5, 4, 3, and 2-segments. The red plot (7 Segments) is the baseline measurement from Figure 2. Notice that the red plot reappears on the right side of the chart in the 10-meter band around 29 MHz. This is the 3rd harmonic from Figure 2.



## Vertical Antenna Analysis—Part 4 (continued)

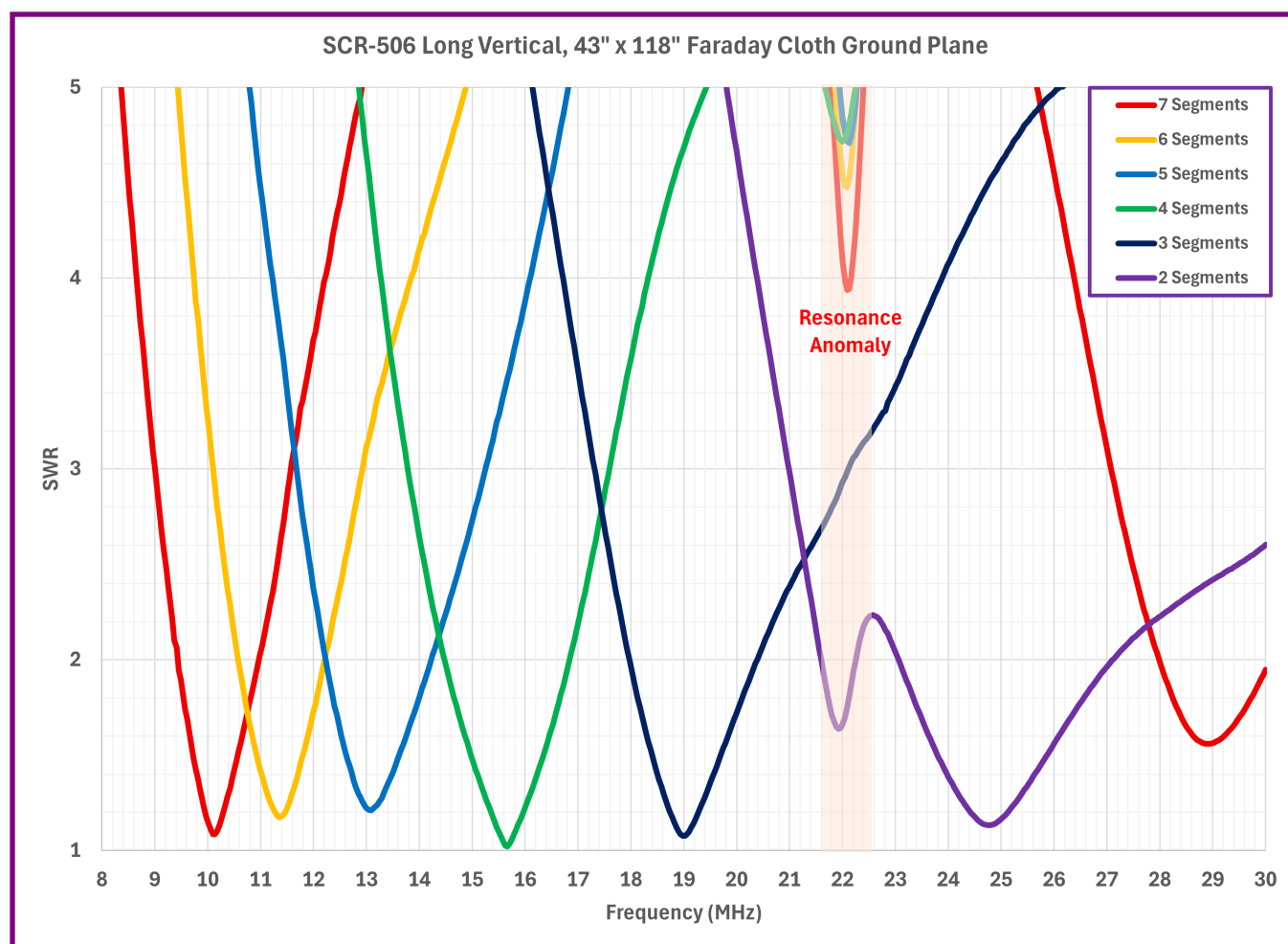


Figure 4 - 22-foot Vertical Antenna, 8-30 MHz SWR Sweep Zoom, 2-7 Antenna Segments

As segments are removed, the resonant frequency increases, but interestingly, the resonant band-width also increases (widens). The ratio of element thickness to antenna length affects the band-width, i.e. thicker elements cause higher bandwidth. Like I mentioned earlier, on this antenna the bottom segments are thicker than the higher segments. When you take the narrower top elements off, the average antenna width goes up. Also, the antenna length is reduced when you take segments off. For these two reasons, the ratio of segment thickness to antenna length increases so the band-width widens.

I took the Excel data that went into *Figure 4* and scanned for the resonant frequency for each plot of 2,3,4,..7 segments. I also carefully measured the 2:1 SWR bandwidth for each plot. That is all shown in *Table 1*.

## Vertical Antenna Analysis—Part 4 (continued)

Number of segments	Resonant Frequency	SWR at Resonance	2:1 SWR BW (MHz)
7	10.1388	1.0857	1.54
6	11.3498	1.1743	1.63
5	13.0856	1.2102	2.00
4	15.6692	1.0202	2.38
3	18.9793	1.0767	2.42
2	24.7520	1.1323	4.04

Table 1— Resonant Frequency and 2:1 Bandwidth vs Number of Segments

The data from *Table 1* is used as the basis for a very useful chart, shown in *Figure 5*. You can see how many sections to remove to get you close (or a little above) the desired band. You can add a turn or two of the Big Kansas Coil (BKC) to lower the resonant frequency to get it into a ham band.

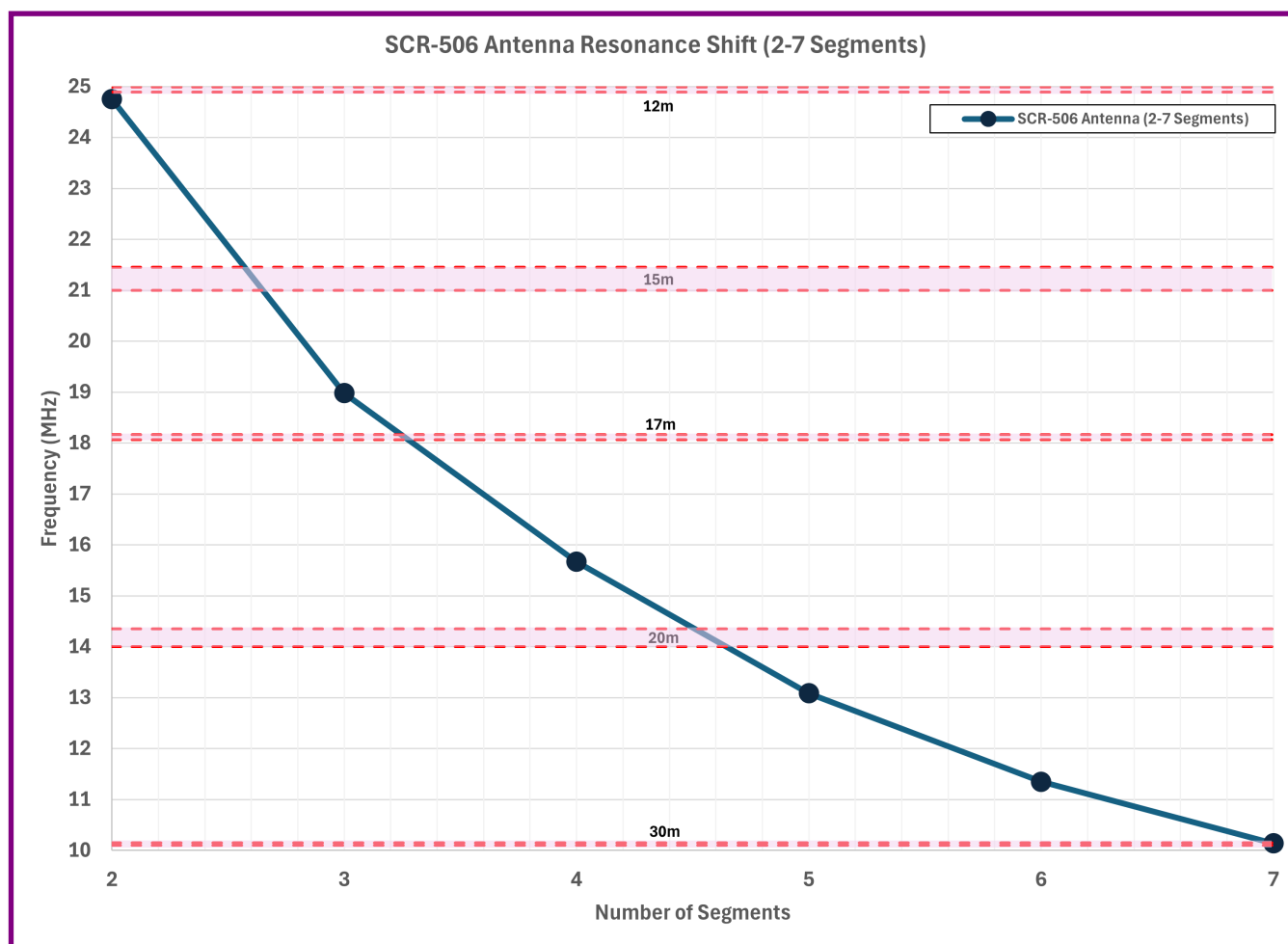


Figure 5 - 22-foot Vertical Antenna, Resonant Frequency vs Number of Antenna Segments





## Vertical Antenna Analysis—Part 4 (continued)

**Lowering the Resonant Frequency:** The BKC can be used to add inductance at the base of the antenna, lowering the resonant frequency. Just like the CB antenna I measured last month, I took measurements at BKC tap settings of 0, 5, 10, ... 40. I plotted these 9 measurements on a single chart (*Figure 6*). I used a single 43 x 118" Faraday cloth ground plane for these measurements.

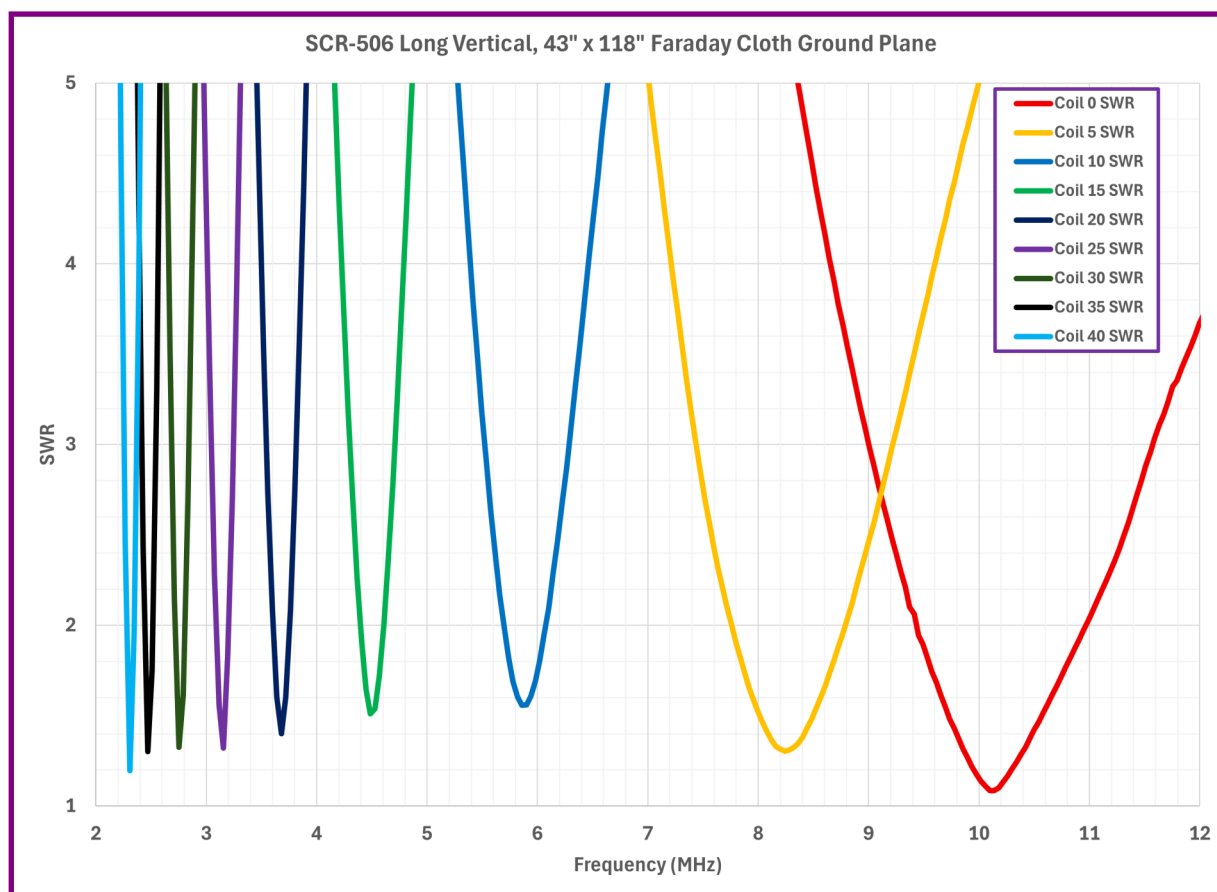


Figure 6 - 22-foot Vertical Antenna, 2-12 MHz SWR Sweep Zoom, BKC Coil Tap at 0,5, 10,...40

The Coil 0 measurement (red) is identical to *Figure 1*, but *Figure 6* focuses on the 2-12 MHz frequency range covering the 80, 60, 40, and 30-meter amateur bands. The resonant frequency shifts down rapidly at first, then slower as it reaches the 25, 30, 35 and 40 (full) tap settings. The lowest resonant frequency this antenna/BKC combination is 2.3074 MHz when the BKC is fully engaged with the coil tap setting of 40.

I took the contents of *Table 2* and created a chart (*Figure 7*) that smoothly plots a curve between these coil measurements. This will allow an exact coil setting to perfectly match a frequency range you are interested in using.

Coil Setting	Resonant Frequency
0	10.1388
5	8.2415
10	5.8597
15	4.4872
20	3.6799
25	3.1551
30	2.7514
35	2.4688
40	2.3074

Table 2— Resonant Frequency vs BKC Coil Setting  
(Continued on next page)  
[Back to Table of Contents](#)



## Vertical Antenna Analysis—Part 4 (continued)

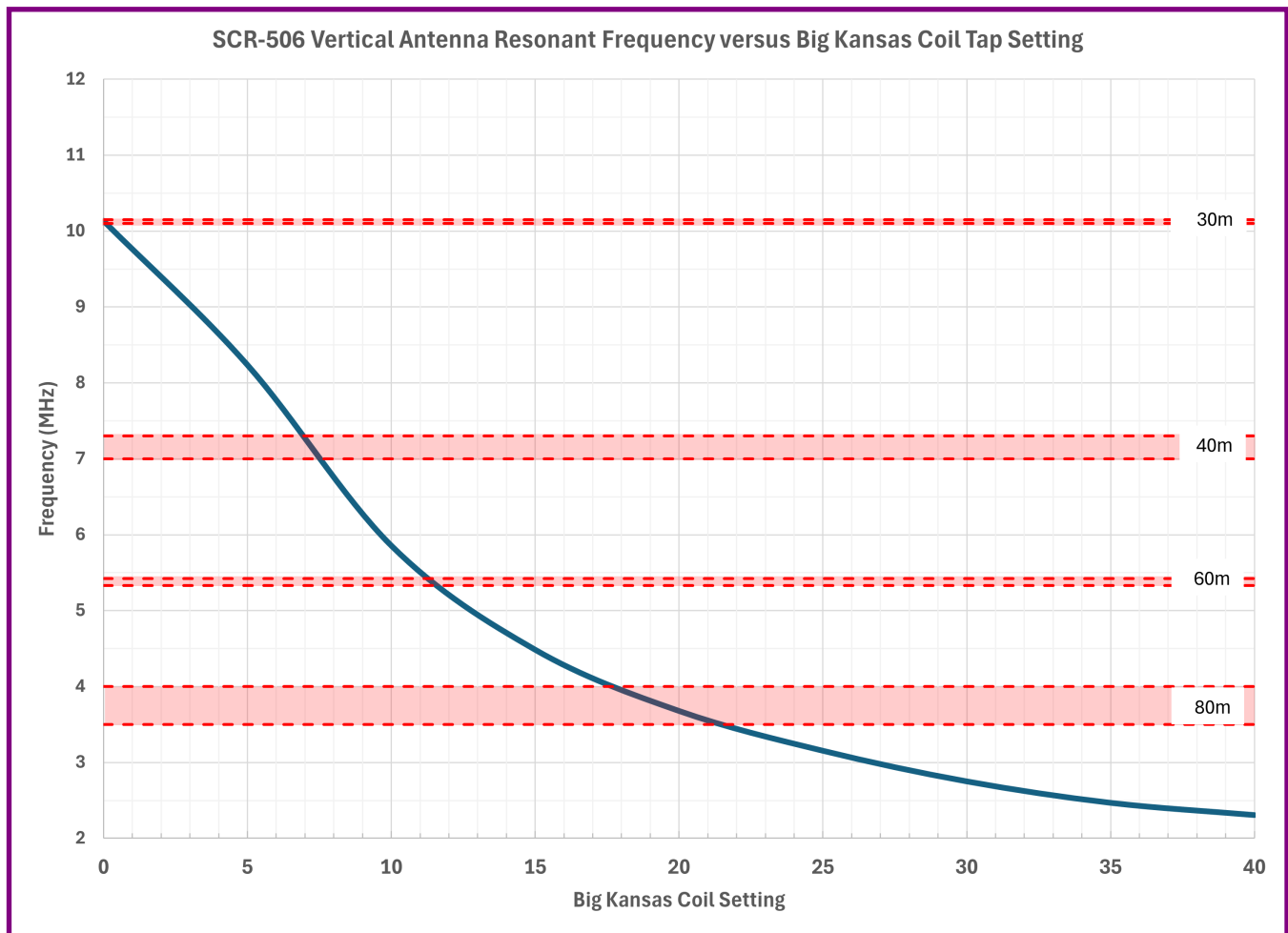


Figure 7 - 22-foot Vertical Antenna, Resonant Frequency vs Big Kansas Coil Tap Setting

Using this chart, I can follow the blue curve to find the coil setting of 0 (bypassed) is perfectly centered on the 30m band, 7-7.5 would cover the 40m band, 11.5 for 60m, and 17.5 to 21.5 for the 80m band. You can see that the 80m would be a bit touchy to tune for a given frequency, you would have to go readjust every time you moved. For FT-8 that's not a problem, I wouldn't be a POTA SSB hunter with this setup! I do have an MFJ remote automatic tuner that I have used in the past with this antenna, that's what I would use instead of the BKC in that situation.

Well, that wraps up my series on vertical antennas. I'm not totally done with them altogether; I have some interesting problems with the CB whip on my Fusion that I am wrestling with right now that may show up in a few months. I'm trying to improve the Fusion grounding and EMI suppression to allow operation on 40m and maybe 80m for my 102" CB whip. If anyone has tackled this sort of thing before, please get with me, I can use the help!

73, Ray [N8VMX](#)



# Special Event Stations for September

Paul Sharp, [WS8R](#)

Here are a 2 links you can follow to find many SES that suit your varied interest. I may repeat and update some of these links as there are only a few sites focused on SES.

[http://www.arrl.org/special\\_events/search/page:2/model:Event](http://www.arrl.org/special_events/search/page:2/model:Event).

[https://www.qsl.net/va3rj/spevents\\_dx.html](https://www.qsl.net/va3rj/spevents_dx.html).

Here is my pick of the litter of SES that I think will be of interest to my fellow BARC members. We hit the lottery this month with many exciting SES. There are SES commemorating: California, Star Trek, Victory over Japan, Remembering 9-11, Route 66, USS Midway, POW MIA Recognition Day, Underground Railroad, and Helene.

**09/01/2025 | 175th Anniversary of California Statehood 1850-2025.** Sep 1-Sep 10, 0000Z-2359Z, K6S, Monterey, CA. Monterey DX Group. 14.275 21.275 28.375 7.275. QSL. G. Costello WC6DX, PO Box 1332, Monterey, CA 93942-1332. In 1849, the California Constitutional Convention convened in the capital Monterey in order to draft a constitution for statehood the following year. On 09 September 1850, California joined the Union as the 31st state. A commemorative paper QSL card is available for a SASE to QSL Manager WC6DX; no Log Book of the World or e-QSL.

**09/01/2025 | Star Trek Debut Special Event.** Sep 1-Sep 15, 0000Z-2359Z, N6S and N6C, North Highlands, CA. Starfleet Amateur Radio Group. 14.085 7.100 3.550. QSL. No paper QSLs, See website for, information. Celebrating Star Trek Debuted 9/8/1966 from Sept 1 - 15, 2025 Starfleet Amateur Radio Group SFARG@k6irk.com We maybe be operating on various bands and modes, depending on conditions Stations involved in this Event is: N6S - N6S@k6irk.com - operator - Rob - K6IRK N6C - k6ncc@arrl.net - operator - Ed - K6NCC The following bands, Modes and Frequencies, are what we maybe be operating on Band FT8 SSB 6m 50.303 10m 28.100 28.400 12m 24.900 24.960 15m 21.100 21.400 17m 18.075 18.150 20m 14.085 14.325 30m 10.125 40m 7.100 7.210 80m 3.550 3.925 Digital QSL Cards or certificates will only sent out and will confirm on QRZ, LoTW and eQSL. Special digital QSL cards that will be sent out at the end of the event. Depending on the popularity of the event, we may do paper cards at some point. <https://www.qrz.com/db/N6S>

**09/02/2025 | 80th Anniversary of Victory Over Japan Day.** Sep 2-Sep 14, 1400Z-2359Z, W2V, Gastonia, NC. Radio Gastonia . 14.345 21.345 7.245 18.145. QSL. W2V VJ DAY SE RADIO GASTONIA, 243 Moore Dr, Gastonia, NC 28056. [www.qrz.com/db/W2V](http://www.qrz.com/db/W2V)

**09/05/2025 | Handiham Radio Camp 2025.** Sep 5-Sep 7, 2100Z-2100Z, AB8WF, Minneapolis, MN. Handiham Radio Club / Handiham Radio Club of Minnesota / Handiham Program. 14.250 7.200 28.350 14.050. QSL. Handiham Program, 3915 Golden Valley Road, MR 78446, Minneapolis, MN 55422. To celebrate the 2025 Handiham Radio Camp along with the Handiham Program's 58th Anniversary, the Handiham Radio Club and the Handiham Radio Club of Minnesota are sponsoring a QSO Party during Radio Camp. The object is for Handiham campers to work as many stations as possible during the 48-hour operating period. We also will use this opportunity to promote and give more details about the Handiham Radio Clubs and the Handiham Program for those who are interested. We will be active on all amateur bands and modes to make contacts including digital and VOIP modes. The exchange is simply name and state, province, or country. Stations will be using their own call signs in addition to the club call signs. Please listen for stations calling CQ Radio Camp, and give us a contact! <https://handiham.org>





## Special Event Stations for September (continued)

**09/06/2025 | 70th Anniversary of the Birmingham Zoo. Sep 6-Sep 7, 1200Z-2359Z, W7O**, Birmingham, AL. N4GHP. 7.290 7.296 14.296. Certificate & QSL. Lloyd Palmer, 1325 Windsor Ct., Alabaster, AL 35007. times are daily [www.qrz.com/db/n4ghp](http://www.qrz.com/db/n4ghp)

**09/06/2025 | High Sky Wing of the Commemorative Air Force AIRSHO 2025. Sep 6-Sep 7, 1400Z-2000Z, W5CAF**, Midland, TX. Midland Amateur Radio Club, Midland, TX. 14.269 7.269. QSL. J David Overton, W5JDO, 2812 W Shandon Ave, Midland, TX 79705. We will operate from 14:00 to 20:00 UTC Saturday and Sunday, daily. [www.W5CAF.com](http://www.W5CAF.com)

**09/06/2025 | K4A 9-11 We Do Remember. Sept 6-Sep 12, 0000Z-2359Z, K4A**, Cordova, AL. Alabama Contest Group. 7040 14250. Certificate. Robert Beaudoin, 970 Mountain View Road, Cordova, AL 35550. Special Event Station K4A "9-11 We Do Remember" Special Event to Honor the Victims of 9-11 New York City Shanksville PA. and Washington D. C. " Begin: Sunday September 06, 2025 00:01 GMT This Saturday 7:00 PM Central Time End: Thursday September 12, 2025 23:59 GMT Many members of the Alabama Contest Group will activate K4A for the fifth year. This year's event will be called "9-11 We Do Remember" We will operate all modes SSB, FT8, CW, and RTTY. We will try to be on all bands 160 through 10 meters, including WARC bands. This year a new special QSL and certificate " We Do Remember" theme will be available. To those who contact K4A on 3 bands using any combination of bands/modes we will offer a full color glossy certificate on heavy paper which will be mailed in a full size Manila envelope all postage paid by the Alabama Contest Group, even if you are DX. If you qualify for the certificate send your QSL to WA1FCN. Put each QSO information on your QSL. We request a \$3.00 donation to help cover cost of Special Event. Or, for our QSL only (no certificate), send your QSL and your SASE to Bob Sarnecki NF7D. Mailing Addresses: WA1FCN Robert Beaudoin 970 Mountainview Rd Cordova, AL 35550 NF7D Bob Sarnecki 591 DEER RUN RD ALABASTER, AL 35007-9502 [www.alabamacontestgroup.org](http://www.alabamacontestgroup.org)

**09/06/2025 | ROUTE 66 ON THE AIR. Sep 6-Sept 14, 0001Z-2359Z, W6JBT**, San Bernardino, CA. CITRUS BELT AMATEUR RADIO CLUB. 3.866 7.266 14.266 28.466. Certificate & QSL. CITRUS BELT AMATEUR RADIO CLUB, PO BOX 3788, San Bernardino, CA 92413. The Citrus Belt Amateur Radio Club of San Bernardino, California will host the 26th annual Route 66 On The Air special event, September 6-14, 2025. The event offers radio amateurs a chance to perhaps relive their own Route 66 memories and to celebrate the famed highway's rich history. Opened in 1926, US Route 66 was the first major improved highway to link the West Coast with the nation's heartland; it once served as the backdrop for a popular TV show and has been the subject of songs and stories. There will be multiple stations — some will be "rovers" — operating in or around the major cities along Route 66 from Santa Monica, California to Chicago, Illinois. They will use 1 x 1 W6-prefix special event call signs [www.w6jbt.org](http://www.w6jbt.org)

**09/13/2025 | Commemorating USS Midway Commissioning in 1945. Sep 13, 1600Z-2300Z, NI6IW**, San Diego, CA. USS Midway Museum Ship. 14.320 7.250 14.070 PSK31 DSTAR on Papa System Repeaters. QSL. USS Midway Museum Ship COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101. [www.qrz.com/db/ni6iw](http://www.qrz.com/db/ni6iw)

**09/17/2025 | Constitution Day. Sep 17-Sep 24, 0700Z-0700Z, W3C**, Rancho Cucamonga, CA. Jeff Widen. 7.275 14.074 14.250 21.315. QSL. Jeff Widen, 7548 Ramona Ave, Rancho Cucamonga, CA 91730. Celebrating the signing of our defining document the US Constitution on September 17, 1787 at Independence Hall Philadelphia, PA. [www.qrz.com/db/w3c](http://www.qrz.com/db/w3c) or [www.qrz.com/db/k6qcb](http://www.qrz.com/db/k6qcb)



## Special Event Stations for September (continued)

**09/19/2025 | National POW MIA Recognition Day. Sep 19-Sep 21, 0000Z-2359Z, K4MIA**, Loxahatchee, FL. PBSE. 7.195 14.265 18.150 28.400. QSL. Michael Bald, 6758 Hall Blvd, Loxahatchee, FL 33470. Observances of National POW MIA Recognition Day are held across this country on the third Friday in September each year. This year it will be on September 19. The day was established to honor our prisoners of war and those who are still missing in action. This will be the 17th year the special event station has been activated. Again, multiple K4MIA/ will be operating. Modes used will be, SSB, CW, FM, digital modes, SSTV, Satellite. See QRZ (K4MIA) for a lot more information and a copy of this year's QSL card. Because of the volume of requests, you MUST SEND SASE to get a returned QSL. Please take time to remember our POW's, MIA's and KIA's. [www.qrz.com/db/k4mia](http://www.qrz.com/db/k4mia)

**09/20/2025 | Remembering the Freedom Trail - Underground Railroad through Indiana. Sep 20, 1400Z-2200Z, W9EFU**, Madison, IN. Clifty Amateur Radio Society. 28.328 14.314 7.207. Certificate. Jerry Barnes, 601 Spring Street, Madison, IN 47250. Remembering the citizens of Madison Indiana and the surrounding area along with others throughout the state for their efforts in providing safe passage to escaped slaves from the South. Unique eCertificate sent to operators email listed in QRZ. See our QRZ and FB page for fr

**09/27/2025 | Helene, One Year After. Sep 27-Sep 28, 1200Z-2300Z, N4H**, Fairview, NC. The Road Show Amateur Radio Club, Inc.. 14.275. Certificate & QSL. The Road Show Amateur Radio Club, Inc, 57 Echo Lake Drive, Fairview, NC 28730. 1 Year after the devastating impact of Hurricane Helene, causing a 500 Year Flood. Remembering and Honoring those lost who lost their lives, Homes, livelihoods, all in an overnight event. [www.roadshowarc.org](http://www.roadshowarc.org)

**10/02/2025 | WWV 106th Anniversary SES. Oct 2-Oct 5, 0000Z-2359Z, WW0WWV**, Fort Collins, CO. WWV Amateur Radio Club. 7.048 7.248 14.048 14.248. QSL. WWV ARC, PO Box 273226, Fort Collins, CO 80527. In North America, the SES starts on Wednesday evening, October 1 local time, and runs through Sunday evening. We always like to hear everyone's WWV story, so feel free to share yours if you're operating sideband. Our goal is to share what we know about WWV, especially with new operators who may want to learn the history behind one of the longest operating stations in the world. See you in the log! [wwwvarc.org](http://wwwvarc.org)

### Answers to Amateur Radio Test Questions on pages 39-41

#### [Technician \(pg 39\)](#)

T0B08 (D)  
T6D04 (C)  
T3A08 (D)  
T2A01 (B)

#### [General \(pg 40\)](#)

G0B11 (D)  
G2E07 (B)  
G2B07 (C)  
G7B06 (A)

#### [Amateur Extra \(pg 41\)](#)

E9G09 (A)  
E6F07 (B)  
E5A09 (C)  
E0A04 (C)



# Amateur License Test Questions

Answers are on [page 38](#)

## Technician

### **T0B08**

Which is a proper grounding method for a tower?

- A. A single four-foot ground rod, driven into the ground no more than 12 inches from the base
- B. A ferrite-core RF choke connected between the tower and ground
- C. A connection between the tower base and a cold water pipe
- D. Separate eight-foot ground rods for each tower leg, bonded to the tower and each other

### **T6D04**

Which of the following displays an electrical quantity as a numeric value?

- A. Potentiometer
- B. Transistor
- C. Meter
- D. Relay

### **T3A08**

What is a likely cause of irregular fading of signals propagated by the ionosphere?

- A. Frequency shift due to Faraday rotation
- B. Interference from thunderstorms
- C. Intermodulation distortion
- D. Random combining of signals arriving via different paths

### **T2A01**

What is a common repeater frequency offset in the 2 meter band?

- A. Plus or minus 5 MHz
- B. Plus or minus 600 kHz
- C. Plus or minus 500 kHz
- D. Plus or minus 1 MHz

(Continued on next page)





# Amateur License Test Questions (continued)

Answers are on [page 38](#)

## General

### G0B11

Which of the following is required for lightning protection ground rods?

- A. They must be bonded to all buried water and gas lines
- B. Bends in ground wires must be made as close as possible to a right angle
- C. Lightning grounds must be connected to all ungrounded wiring
- D. They must be bonded together with all other grounds

### G2E07

Which of the following is required when using FT8?

- A. A special hardware modem
- B. Computer time accurate to within approximately 1 second
- C. Receiver attenuator set to -12 dB
- D. A vertically polarized antenna

### G2B07

Which of the following complies with commonly accepted amateur practice when choosing a frequency on which to initiate a call?

- A. Listen on the frequency for at least two minutes to be sure it is clear
- B. Identify your station by transmitting your call sign at least 3 times
- C. Follow the voluntary band plan
- D. All these choices are correct

### G7B06

What is a shift register?

- A. A clocked array of circuits that passes data in steps along the array
- B. An array of operational amplifiers used for tri-state arithmetic operations
- C. A digital mixer
- D. An analog mixer



# Amateur License Test Questions (continued)

Answers are on [page 38](#)

## Amateur Extra

### E9G09

What third family of circles is often added to a Smith chart during the process of designing impedance matching networks?

- A. Constant-SWR circles
- B. Transmission line length circles
- C. Coaxial-length circles
- D. Radiation-pattern circles

### E6F07

What is a solid-state relay?

- A. A relay that uses transistors to drive the relay coil
- B. A device that uses semiconductors to implement the functions of an electromechanical relay
- C. A mechanical relay that latches in the on or off state each time it is pulsed
- D. A semiconductor switch that uses a monostable multivibrator circuit

### E5A09

How is the Q of an RLC parallel resonant circuit calculated?

- A. Reactance of either the inductance or capacitance divided by the resistance
- B. Reactance of either the inductance or capacitance multiplied by the resistance
- C. Resistance divided by the reactance of either the inductance or capacitance
- D. Reactance of the inductance multiplied by the reactance of the capacitance

### E0A04

When evaluating a site with multiple transmitters operating at the same time, the operators and licensees of which transmitters are responsible for mitigating over-exposure situations?

- A. Each transmitter that produces 20 percent or more of its MPE limit in areas where the total MPE limit is exceeded
- B. Each transmitter operating with a duty cycle greater than 25 percent
- C. Each transmitter that produces 5 percent or more of its MPE limit in areas where the total MPE limit is exceeded
- D. Each transmitter operating with a duty cycle greater than 50 percent



# Editorial Policy and Style Guidelines for *Full Quieting*

## Editorial Policy

*Full Quieting* welcomes articles from BARC members on any ham radio subject that is relevant to BARC. Our focus is our BARC members. We will not reprint items or articles that are easily available by other means (web, magazines, etc.).

Most articles will be “how to” or “what I did” articles that focus on technical or operational subjects such as a construction (antennas, equipment, stations, etc.), the use of hardware or software, operating in unique/challenging circumstances, or a memoir.

*Full Quieting* will also consider an occasional article on policy issues regarding the various national licensing/regulatory agencies and/or amateur radio associations so long as the article is relevant to BARC members and constructive in tone and recommendations.

Although all *Full Quieting* articles represent the experiences and points-of-view of their authors and not BARC, articles that focus on policy issues will be specifically labeled as a reflection of the author’s opinion.

Regardless of subject, when you submit an article you acknowledge that you are the original author or creator and you grant publication rights to BARC. Anything you submit remains your property and you may have it published elsewhere without the need for permission from *Full Quieting*.

## Style Guidelines

Language: English is the official language of *Full Quieting* and all articles should be submitted in English. Don’t be concerned if English is not your first language: just tell your story in your own voice and use translating tools such as Google Translate to help if necessary.

File format: Submit your article as a Word, Word Perfect, OpenOffice or text file attachment to an email. A shared document available for download (such as a Google Doc) is also okay. **Do not submit as an email or PDF file.**

Pictures and other graphics: Do not embed pictures or tables in the article. Please submit as an email attachment or a shared image available for download. Please reduce the file size of the images before you send them to *Full Quieting*. Large files can be attached to a series of emails. Keep file size in mind regarding publication quality: for example, a half page image in the final PDF version of *Full Quieting* should be at least 400 pixels wide. If a photograph or graphic was taken or created by someone else, you should have their permission to use it and the permission of anyone identifiable in the image. **If you capture images from the web, provide a citation (URL) for that source and make sure the source does not prohibit use of the image in *Full Quieting*.**





# Editorial Policy and Style Guidelines for *Full Quieting*

*(Continued from previous page)*

## **Use these style conventions**

- We are hams, not Hams, and our hobby is ham radio. This is a change to our original format
- The name of our organization is: Bellbrook Amateur Radio Club or BARC
- The code we use is Morse (capitalize the M)
- We use Yagi antennas (capitalize the Y)
- Q codes should be capitalized: QRM, QSB, QSY
- The plural of QSO is QSOs, not QSO's
- Modes should be capitalized: CW, SSB, FT8, RTTY
- Bands are written as 10 m, 15 m etc.
- The abbreviation for a Silent Key is SK.
- You might have had an Elmer, not an elmer

Bruce N7RR has provided a [two-page check list](#) of common International System of Units (SI) formats and abbreviations.

## **Use these formatting conventions:**

- Set all borders to 1 inch. The preferred font is Calibri, 12 point.
- Do not use tabs or spaces at the beginning of a paragraph
- Use only a single paragraph or carriage return at the end of each paragraph
- To enhance readability, use two spaces after the period at the end of a sentence.



# Miscellaneous BARC Info

## REGULARLY SCHEDULED NETS

**Daily (Sunday through Saturday)** 1030, 1615 and 1845 Ohio Single Sideband Net (OSSBN) Primary: 3972.5 KHz LSB Alternates: 3968 & 7272 KHz LSB

**Weekdays (Mon-Fri)** 1130 DMR Net Brandmeister Talk group 310557. Accessible via hotspot, 147.390 (+) CC13 TS2(Dayton East), 444.4375 (+) CC11 TS2 (Dayton West)

**Sundays** 1900 Newcomers & Elmers Net (Cincinnati) 146.670 (-) (123.0 PL)

**Sundays** 2000 **BARC Weekly Net 147.045 (+) (118.8 PL) [Alt 443.675 (+) (118.8 PL)]**

**Sundays** 2100 Miami Co. Voice & Data Net (Data Net follows Voice Net) 145.230 (-) (no PL)

**Winlink Tuesdays** GCARES Winlink Net Any time on Tuesdays Eastern Time Send To: W8LRJ, Cc: KE8FMJ W8GCA-10 445.010 (S), W6CDR-10 145.010 (S)

**Tuesdays** 1900 Dayton Veterans Admin Amateur Radio Club Net (W8DVA) 443.850 + 107.2 pl

**Tuesdays** 1915 Ohio ARES HF Net W8SGT Net Control at OEMA HQ Primary: 3902 KHz LSB (+/- QRM) Alternate: 7240 KHz LSB (+/- QRM)

**Tuesdays** 1945 Ohio Digital Emergency Net Primary: 3584.5 KHz USB (1500 WF) Alternate: 7072 KHz USB

**Tuesdays** 2000 MoCoARES Weekly Net 146.640 (-) (123.0 Hz PL) (Except—No Net on last Tuesday of even months (MoCoARES meeting) (Except—On 2nd Tuesday: Voice and Data Net on 444.250 (+) (123.0 PL)

**Tuesdays** 2100 GCARES Net (Voice & Data) 146.910 (-)(no PL) [Alt = 442.725]

**Ohio Winlink Wednesdays** OH ARES Winlink Net Any time on Wednesdays Eastern Time Send To: K8EAF, Cc: W8LRJ, KE8FMJ W8GCA-10 445.010 (S), W6CDR-10 145.010 (S)

**Wednesdays** 2000 Ohio District 3 ARES Net (West Central Ohio Regional Net) Primary: 145.110 (-) ( 67.0 PL) Alternate: 146.820 (-) ( 77.0 PL)

**Wednesdays** 2000 Beginners Net (Dayton Area) 444.875 (+) (94.8 PL)

## ZOOM-Basic Setup & Configuration

Here's a link to the Zoom Video Tutorials: [Zoom how-to video tutorials – Zoom Help Center](#)

Also see: "Join a Meeting" and the "Joining & Configuring Audio & Video" tutorials for new users. Send questions or problems to John, [W8LRJ](#) ASAP but BEFORE the next meeting.

**BARC Fundraising Opportunity — Kroger's Rewards Program** Please use your Kroger Card when shopping at Kroger's and support BARC. If you haven't signed up and need help, bring your Kroger Card to the next BARC meeting, and we'll help you get registered (contact the [BARC Treasurer](#)).

**ARRL Discounted Membership Offer** One of the benefits of club membership is the opportunity to become an ARRL member at a discounted price. BARC is an ARRL affiliated club and receives a commission for new first-time ARRL memberships transacted through the club. BARC passes on this commission (discount) as a club membership benefit to promote ARRL membership. BARC members currently receive a \$15 discount on a NEW first year ARRL membership cost when placed through the Club. Please contact the [BARC Treasurer](#) for details.

