



# Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



May 2023 — Issue 21

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## From the President & Editor

Fellow BARC members, it's May! What's the old saying, April showers bring May... Hamvention?

Yes, the Dayton Hamvention is fast approaching, get your tickets now and skip the lines at the Fairgrounds to buy tickets! Take some time to think about what you want to do, if there are vendors you want to see, forums you want to attend, and all that. Take a load off under the BARC canopy if you get tired or thirsty. Most of all, have fun!

The other nice thing about May is that we hopefully will be out of the cold weather and can do more outside activities. Can you say POTA? We are starting a new special interest group on POTA, headed by Bob French, AC8ZU, and it's early in May, May 2nd! Don't let this opportunity slip by if you are interested in POTA.

Other outdoor activities are fast approaching. Field Day is the last weekend in June, and we will have a planning meeting mid May. E-mail me if you are interested in helping.

On that subject, I have some advice for our newer club members, especially the younger ones. I see many people at our club meetings, but see much smaller groups of the same "older" members at the other functions we do. Some of us are getting up in years and would appreciate assistance from younger, able-bodied members, especially when we're moving heavy things around. I'd like to get to know more of our club members, and these activities are a great way to do that. I've made lifelong friendships with fellow BARC members at some of these events when I started out years ago, this opportunity is open to you too, please take me up on it. Field Day is such an event where we need experience, brains, and muscle to pull it off. Thanks for being part of BARC!

73, Ray Hitt, [N8VMX](#)

BARC President & *Full Quieting* Editor

**Your views are important to BARC and to  
*Full Quieting***

**Please make yourself heard at the club,  
via [email](#), and on the air...**



## 2023 BARC Officers and Directors

President: Ray Hitt, [N8VMX](#)

Vice President: Glenn Rodgers, [KE8LZD](#)

Secretary: Jim Gifford, [KD8APT](#)

Treasurer: John Westerkamp, [W8LRJ](#)

Senior Director: Don Parker, [KB8PSL](#)

Junior Director: Jim Lusk, [KC8EFD](#)

## 2023 Coordinators

Clubhouse: Jim Lusk, [KC8EFD](#)

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

Contesting: Ken Gunton, [W8ASA](#)

Education: Paul Sharp, [WS8R](#)

Emergency Preparedness: *Vacant*

Field Day: Ray Hitt, [N8VMX](#)

Full Quietening 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](#)

TechNight/Workbench: Trevor Clarke, [K8TRC](#)

Webmaster: John Westerkamp, [W8LRJ](#)

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

147.045 (+) (no PL)

[Alt = 443.675]

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

Rooms 1 & 3 Lower Level Sugar creek 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?



# 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 BARC Members!

Denny Hays, KE8WVK

## Congratulations New Technician Class Operator!

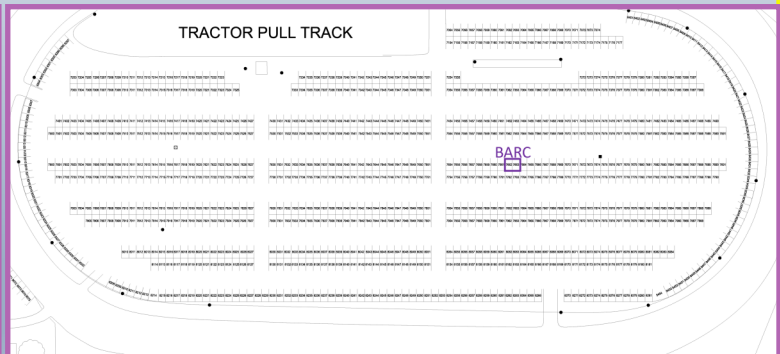
Denny Hays, KE8WVK

## Congratulations on License Upgrades & New Vanity Call!

Jordan Rio, Amateur Extra, new callsign WF3G

## BARC Hamvention Flea Market Spaces 7662-7663!

When you're walking around during Hamvention, please make sure to visit our oasis in the Flea Market area. We have two spots, one will have one of our vehicles and the other will have our unmistakable 10x10 canopy with the BARC club name and logo clearly visible. Come to chat, look over the items for sale, take a load off your feet, and grab some BARC complimentary water (for club members and distinguished guests). If you have time, take command of the spot for awhile to let the other members take a walkabout. Looking forward to seeing you there!



## Jim Totten, WA8HUB: Life Membership.

I knew I had a life membership to ARRL but I didn't know how long. At the end of 2022 I got a certificate showing I had been a member of ARRL for 60 years. That got me thinking — how long had I been a life member? I sent a message to ARRL and asked the question. I got the answer. I became a life member in 1972. That's 51 years.

{Editor: Check page 6 in [April's Full Quieting](#) for the original article}

(Continued on next page)





## Bellbrook Sugar Maple Festival Parade Support

The Bellbrook Sugar Maple Festival Parade was held last Saturday, April 22, 2023. BARC members provided communications support for the parade while introducing some new members to public service events. It is important to learn how to work tactical callsigns and the format of a controlled net for times of emergency.



Big thanks to everyone for volunteering for the parade. Another example of team work by BARC members for a community event. Thanks to our new members who experienced working a controlled net operated by Dr. Greg Goffe. As usual, the radio waves were graced with the soothing voice of Dr. G.



From Don "The Big Kahuna" Parker, KB8PSL  
Photos provided by John Westerkamp, W8LRJ



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## Little Miami Watershed Network Support

The [Little Miami Watershed Network](#) is holding a River Festival on June 10, 2023 at Washington Mill Park. There will be a canoe race beginning around 9:00 am finishing around 11:30am at Constitution Park. BARC always supplies radio operators to help monitor their events. BARC also will have a booth at Washington Mill Park to advertise our club activities and answer questions about our club.

The race begins on the Little Miami River at the Narrows lower parking lot and finishes at Constitution Park. There are 4 bridges, and the LMWN committee would like a BARC member at each bridge to report when the first racer goes by and when the last goes by. The racers will be marked with labels to id them.

I figure we need 9 operators to successfully operate this event. Members need to be at the following stations at 0830:

Washington Mill Park - Net Control - 2-3 members

The Narrows - 1 member

Mill Bridge Launch Park - 1 member

Morris Reserve - 1 member

East end of Cook Rd - 1 member

SR 725 Bridge - 1 member

Constitution Park - 1 member

That's all I have right now. As time draws nearer, I will keep you updated on the logistics of this race. If you have questions, do not hesitate to contact me. (Darryl Fowler, [KD8JQE](#))

## 1130 DMR Net

Larry Baker, KB8EMD, started the **1130 DMR Net** in mid-April. This net meets on DMR (Brandmeister) talk group 310557 Monday through Friday at 1130 am Eastern Time

The **1130 DMR Net** is a very informal net with rotating net control, currently it's been John W8LRJ, Ray N8VMX, and Larry KB8EMD, but more are welcome to join in. The topic is DMR, amateur radio in general, what you've been up to, or whatever's on your mind. Nets usually run 30 minutes, but can go up to an hour if there's lively discussion. Unlike the other DMR nets where you check in and that's it, we go back around and give everyone the floor for as long as they like. This is a good way to make sure your DMR skills are up to par, your audio's OK, your hot spot isn't flaky, and so on. And it gives you a chance to get to know your amateur radio fellow travelers a little better. Please join us!

This talk group is accessible many ways; through your own DMR Wi-Fi hotspot, through Tim Procnuniar, N8NQH's, East repeater in Bellbrook, Tim's West repeater near Carillon Park, or a local Brandmeister repeater near you ([see map](#)). Setting up your DMR radio to talk on this talk group is explained quite well on [Tim's web-site](#). If you need technical help, please contact [W8LRJ](#), [N8NQH](#), [KB8EMD](#) or [N8VMX](#) for assistance, we'd be glad to help.

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# What's Up BARC? (continued)

# What's Up BARC?



## BARC POTA Special Interest Group – First meeting May 2nd 6:30 PM

Meeting at BARC Tuesday May 2nd at 6:30 PM

Audience: Have a HAM license or studying for the exam.

Hope to have experienced and inexperienced HAMs join the group

What is POTA (Park on the AIR)? [Link](#)

BARC POTA presentation by Paul: [Link](#)

Eligible Park List: [Link](#)

POTA Hunters: Can work POTA stations from your home, BARC or anywhere you can operate an HF radio.

POTA Activators: Operate at an eligible park using CW, Digital or SSB

I hope that experience POTA/SOTA operators will help present, share their RIG and activation experience. Please contact me if you can present and/ or show off your setup and answer questions.

Homemade Chocolate Chip cookies will be provided.

Found a interesting quote

“I love doing POTA – Parks on the Air activations. I love the challenge of making ham radio contacts all over the world and visiting national parks, state parks and other POTA entities while doing it. I have had the chance to see a lot of beautiful scenery in the United States.

The other reason I love doing POTA activations is because I can't do any ham radio operations from my home. I live in a condo with no way to put up a ham radio HF antenna and there is so much RF noise I can't hear anyone.” Scott Green K7JSG

Let me know if you have any questions.

73, Bob AC8ZU

## The Elusive Jim Gifford Spotted in Hamclock

On April 13, Jim Gifford KD8APT, Glenn Rodgers KE8LZD, and Paul Sharp WS8R, activated John Bryan State Park for POTA. While I saw Glenn's call flash up briefly, I did see Jim's quickly enough to capture a screen shot in my Hamclock. This [link](#) shows the photos from that day.

(Ray—N8VMX).

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# My Personal View of Hamvention

Jim Gifford, [KD8APT](#)

Hamvention 2023 is approaching for May 19<sup>th</sup>, 9:00 AM – 5:00 PM; May 20<sup>th</sup>, 9:00 AM – 5:00 PM; and May 21<sup>st</sup>, 9:00 AM – 1:00 PM. Hamvention and I have something very much in common: we were born in 1952! It's a month older than me.

The first gathering was held at the Biltmore Hotel in Dayton with an initial budget of \$100. My purpose is not to repeat all the information you can read for yourself at Hamvention.org. If you plan to attend (**you do plan to attend—right?**) be sure to access that site and consume all the vast information. Read the FAQ section too. In this article I just wish to whet your appetite.

This year's theme is INNOVATION. Some of you may be new to this huge event. Last year I understand there were over 32,000 attendees! One of the first questions you may have is about parking. Parking at the Fairgrounds is on grass fields and is weather-dependent. Volunteers drive golf carts throughout the parking area and give patrons a ride to the entrance gate (Our own Larry Darner KD8RER and Jim Totten WA8HUB might be your chauffeur. Two off-site parking lots are available, with bus transportation to and from each lot:

- Hobson Freedom Park, 2910 Trebein Road, Fairborn, OH 45325 (39.772°N -83.993°W)
- Xenia High School, 303 Kinsey Road, Xenia, 45383 Coordinates are (39.710° N -83.926° W)

Be sure to check the Hamvention web site for details or changes.

Tickets are available through the link on the web site. You can buy a ticket on the day of the event, but it's best to pre-purchase. The ticket sales onsite are located just east of the parking and next to the pedestrian gate. There is only one main pedestrian gate. A good map of the site is on the web page. If you arrive early on Friday and see a long line, do not worry. Once the gate is opened, it moves fast. Have your ticket out and ready for the security at the gate.

For Hamvention, buildings are renamed with electrifyingly shocking names: Maxim, Tesla, Marconi, Hertz, Volta, and Watt. I wonder where Ohm is? They probably do not want any resistance for attendees.

You have never been to this colossal extravaganza of amateur radio before? You are in for a treat. As you enter you will see the EMCOM vehicles staged just inside the entrance. Tour them and get some ideas. Oh, by the way, keep your ticket where you can see it. There are regular drawings for prizes, and winning numbers are displayed on monitors around the venue. If you leave, you need the ticket to re-enter.

The Dayton Amateur Radio Association has an information booth near the entrance occupied by volunteers ready and willing to help you navigate the fairgrounds. Stop and say hello, you might just see Tink or Steve Siwecki smiling and helping. If you tire of walking, there are bleachers and areas to take a load off. I believe there will be personal electric mobility chairs for hire if you cannot walk very far.

Walk around inside the various buildings. Here you will find all the familiar names and companies. You will also see some you never knew existed. Stop and patronize these too. Ask questions, grab a brochure, examine all the fabulous hardware and gadgets. Surprises await around every corner. Do you need a new HT, a cable or two, literature, hats, shirts, antennas, information, wire, connectors, software, meters, dummy loads, etc.? You won't go away disappointed. The American Radio Relay League (ARRL) has a huge display for you. Buy a manual or two. Renew your membership. Meet several of the helpful ARRL staff members.

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# My Personal View of Hamvention (continued)

Hamvention is a great place to renew old friendships and make some new acquaintances. Are you hungry? Several food trucks serve scrumptious fares. I heard that there will be a bus running routes this year to several Xenia restaurants for attendees.

Some folks head right for the huge flea market, located inside the oval horse track at the far east end. There are great deals to be made here. Stop at the BARC tent in the flea market.

I would be negligent if I failed to mention the forums. The schedule is on the above-listed web site, but again I want to whet your radio appetites. Here is a preliminary list of the forums I retrieved off the web page:

- Topics in Digital Radio
- Innovation
- Antenna Forum
- Linux and Ham Radio Software
- Elecraft K4D Users Group
- Parks on the Air
- Amateur Radio Newline Town Hall
- A Partnership To Save Lives
- ARDC Update - Funding Amateur Radio and Managing 44Net
- System Fusion
- ARRL Lab: Behind the Scenes
- Digital Contesting
- Amateur Radio High Altitude Balloons
- ARRL - Protecting Amateur Radio
- ARRL - Amateur Radio and the Law
- Software Defined Radio
- Importance of Amateur Radio Clubs
- Instructor's Forum
- Kit Building Techniques for Success
- Remote HF Station Ideas and Buiding Blocks
- Women! Ham Radio! Innovation!
- Mastering SOTA: Tips and Tricks for Peak Performance
- Ham Nation and YouTubers
- Helping Hands - The Story of The Ham Radio Spirit in Ukraine
- DX Forum
- Contesting
- The Fast Track to Understanding Ham Radio Propagation
- Youth
- ARISS 2.0: The future vision for Amateur Radio on the International Space Station
- AMSAT
- Connecting Worlds: Ham Radio in China and Global Enthusiasts
- What's New in Ham Radio Deluxe
- Five Common Threads of Ham Radio Innovation
- Foxhunting/ Transmitter Hunting
- ARRL - Good Operators and Interference
- ARRL - Amateur Radio Emergency Service
- ARRL - Membership

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# My Personal View of Hamvention (continued)

- ARRL - Collegiate Amateur Radio
- ARRL - Youth Outreach
- Arduino - The Next Generation
- Fast Scan ATV
- VHF/UHF/Microwave
- QCWA Annual Members' Meeting
- HamSCI: The Ham Radio Science Citizen Investigation
- Using AREDN Software to create an IP Ham Radio Network
- HF Digital Voice and Digital Mode VarAC
- How to get started with Digital Modes
- Lightning and Grounding
- Solar Power for Portable Operations
- Voice Control of Amateur Radio Systems & AI Voice Assistants
- SWR Meters Make You Stupid
- Techniques of the Best Operators
- DMR: Current and Future State

I have attended several forums over the years, and I encourage you to attend several. Where else can you receive top-notch technical information for the relatively low price of a ticket? Forums are free once you enter the event.

So, do you want to get a ham license or upgrade to General or Extra? Free exams (of course there is the FCC fee now) are available across the street from Hamvention at Memorial United Presbyterian Church, 343 West Ankeney Mill Road, (Fairgrounds Road).

When Hamvention was at Hara Arena, BARC members used to gather for breakfast early on Friday before attending the event. We have not done that since we left Hara and since the pandemic. It would be nice to have some of you restart this very fun and informative fellowship (Informative? What better way to learn what others are buying, searching for, or viewing than over hot bacon and eggs and coffee?) I would love to spearhead the breakfast event, but alas I'll be in the Media office onsite very early. Why don't a couple of you start a new tradition?

I hope to see each of you at Hamvention 2023:

**Greene County Fair and Expo Center**  
**210 Fairground Road, Xenia 45385**  
**Coordinates are 39.702 N – 83.9420 W**  
Talk-in and information:  
**DARA Repeater 146.94 (-) 123.0 PL**  
**alternate 146.985 (-) 123.0 PL**  
**Traffic Bulletin Station on 145.525.**

**73, Jim, [KD8APT](#)**



# BARC Hamvention Plans

Ray Hitt, [N8VMX](#)

I asked BARC members to share their plans for Hamvention, with the hope that it will draw interest in those activities and perhaps even allow other BARC members to partner up or share some of these experiences with each other. Ideally, there should be groups of BARC club members wandering around Hamvention all weekend! Here are some samples:

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*As usual, I will be working with Jim Gifford, KD8APT, in the Media Truck just outside the gate next to the Ticket Booth. I enjoy meeting people from other countries and giving tours to some of the local media personnel. I will also be putting in time at the AREDN Mesh booth right next to R & L in Building #1. I always enjoy the food and like to sample different food booths every year. I don't usually have a specific item I am looking to buy, but rather enjoy walking around and looking at what's available and picking up something that catches my eye. It is always amazing to see the crowds lined up to get in every morning and I look forward to another great Hamvention! (John W8LRJ)*

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*My plans for Hamvention this year are fairly simple, the YL and I are hosting a good friend and Ham, Don, WC4D from Kentucky. Don and I are both avid AM operators and boat anchor owners.*

*We'll be looking for tubes, coils, and other odds and ends parts and that elusive hidden gem you can't live without.*

*Have fun in Dayton! (Dan, N8IE)*

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*I'll be at the Balloon Launch Forum on Friday, and will launch two balloons with APRS trackers shortly after the forum. We hope they circumnavigate the earth. Last year one we launched travelled eastbound across Europe, Russia, and Japan at 41,000 ft before being lost in the Pacific Ocean. Many Hams throughout the world monitor the APRS 2m downlink frequency and report locations to APRS.FI where the track is recorded and available online.*

*(Joe Muchnij, N8QOD)*

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*My plans are somewhat up in the air. I want to meet up with some specific vendors, Quicksilver is a good one to get Powerpole connectors, go kits, crimping tools and so on. Texas Radio is great for little RF adapters and crimp-on connectors. I am interested in getting a mobile DMR radio so I will check out ATD578 Mobile radio prices at the DMR radio dealers. I'll spend a fair amount of time helping out at the BARC canopy in the flea market too. Gotta get some Cajun style chicken, rice and beans to go with a cold brew too, that would top it off nicely. (Ray, N8VMX)*

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## BARC Hamvention Plans (continued)

*For the most part I will be acting as the Media Chair in the Media office. We will set up our schedule so that sometime on Friday or Saturday I can attend a forum or two, which I have not narrowed down yet. I have no plans this year to buy any radios or antennas. This year, in the words of Tim the Tool Man Taylor, I need MORE POWER! Give me the POWER!!! No, not amp power but 12-volt (actually 13.9 volt) type power. I am going to be searching for batteries, solar panels, and all the information I can get. And I am always looking for stuff. What stuff, you say? I love the selection of cables, coax, connectors, wire, and the various stuff we need (or just want) as hams. To the newer hams, may I give some advice? Conduct your research thoroughly before you embark on the Hamvention adventure. Let's say you have an HT at home and you need a new antenna, because that rubber stub just doesn't seem to work well. What type of mount does it have? Is it SMA? Is it male or female? Well, I won't elaborate too much here. But may I suggest a plan? Write down what radio you have, what model number, what type of antenna, etc. Make a list of what you need. The choices at Hamvention can be overwhelming, so it's best to plan ahead for items you need. Once you find those must-have things, then have fun and search and dream. (Jim KD8APT)*

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*I am helping at the information both Sat and Sun. (Jim KC8EFD)*

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*I have volunteered to drive a cart during Hamvention. That is my ticket. What am I looking for? A simple or easy to install HF antenna. Bridgecom Systems. Browse DX Engineering, MFJ, R and L, ARRL. If I get those done I will have to collapse. Maybe I can rest at the BARC flea market space. I do have a VHF/UHF mobile antenna for sale. (Jim W8HUB)*



## BARC May 2023 Event Calendar

**Tue May 2, 2023**

**6:30 pm Parks On The Air (POTA) SIG Meeting** Where: BARC Clubhouse

**Thu May 4, 2023**

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

**Sun May 7, 2023**

**2pm Operating Afternoon: Clubhouse Antennas and Coax Selection**

Where: BARC Clubhouse

**8pm Weekly Net** Where: 147.045+ (no PL/CTCSS tones)

**Sat May 13, 2023**

**2pm Field Day Committee Meeting** Where: BARC Clubhouse

**Sun May 14, 2023**

**8pm Weekly Net** Where: 147.045+ (no PL/CTCSS tones)

**Thu May 18, 2023**

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

**Fri May 19, 2023**

**All day Dayton Hamvention** Where: Greene County Expo Center, 120 Fairground Rd, Xenia, OH

**Sat May 20, 2023**

**All day Dayton Hamvention** Where: Greene County Expo Center, 120 Fairground Rd, Xenia, OH

**Sun May 21, 2023**

**All day Dayton Hamvention** Where: Greene County Expo Center, 120 Fairground Rd, Xenia, OH

**8pm Weekly Net** Where: 147.045+ (no PL/CTCSS tones)

**Thu May 25, 2023**

**7pm Dinner & Movie Night** Where: BARC Clubhouse

**Sun May 28, 2023**

**8pm Weekly Net** Where: 147.045+ (no PL/CTCSS tones)



# Officer, Director, and Coordinator Inputs

## BARC has six Officers and Directors and 15 Coordinators

- Some have monthly columns, and the rest can use this space to let you know what they're doing and what's happening in their areas of responsibilities.
- Feel free to contact them if you have specific requests. All their emails are listed and hyperlinked.

- **Secretary: Jim Gifford, [KD8APT](#):** Completed minutes and notes, as required. Climbed to the roof with John W8LRJ and Glenn KE8LZD and took photos of the inspection and work. I also took several videos using my GoPro and using I-Movie, stitched the segments into a four-minute video that John can use either in education or for planning. The file is huge, so I copied it to a thumb drive. I also went on one POTA adventure with club members to John Bryan State Park. Also participated on the Saturday Field Day meeting in moving antenna masts from the Lions Club trailer, setting up concrete blocks, and rearranging the masts inside the fenced area. Also helped with the trailer inventory.

**Treasurer: John Westerkamp, [W8LRJ](#):** This is a slow time of year for income consisting of a few donations and some auction income. The good news is that we have very few expenses, too, other than monthly Internet and yearly payment of liability insurance. I will be presenting a budget soon with recommendations on outdoor rooftop antenna and grounding upgrades that are needed.

Yearly membership is \$15 (\$18 per family). You can send a check made out to BARC to the club P.O. Box 73, Bellbrook, OH 45305, or pay via PayPal by sending to [w8lrj@arrl.net](mailto:w8lrj@arrl.net). When using PayPal, be sure to select for Friends and Family since BARC does not have to pay the PayPal fee. Thank you so much for your support!

**Repeater Network and Nodes: John Westerkamp, [W8LRJ](#):** Want to see what a repeater site looks like? Watch for upcoming Shack Tours where we hope to schedule a trip to the BARC repeater site for a tour. A reminder that when using Allstar or Echolink, if the repeater is in constant use and unable to drop the carrier, a local user will not be able to send a \*73 to disconnect and the connection will remain active forever! I have since taken steps to prevent this, but if it happens to you, please text me at 937-271-3119 and I can disconnect the node for you. You can also use the Contact Form on the website to reach me.

- **Website: John Westerkamp, [W8LRJ](#):** May is Hamvention month so many of us will be working hard to get ready for that huge event! Watch for information on our Operating Afternoon where we hope to take a tour of the rooftop antennas and learn about selecting coax for various applications. 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](#):** We finally got some good weather and made another attempt at installing the R9 bracket mount. Unfortunately, the old masonry walls were too tough for our masonry bits and equipment so we had to abandon that effort. We will either be hiring somebody to do the work or moving the R9 to another location that is not optimal or easily worked on. Other future plans including updating all the grounding and bonding to move the lightning arrestors outdoors, add some ground rods, and bond everything together with the electrical service ground. Stay tuned!

*(Continued on next page)*



# Officer, Director, and Coordinator Inputs (continued)

- **Field Day Coordinator: Ray Hitt, [N8VMX](#):** On April 15th, Ray Hitt, John Westerkamp, Jim Lusk, Jim Gifford, Jim Totten, Don Parker, and Glenn Rodgers performed an inventory of the BARC Field Day equipment. As part of that, we inspected and stacked all the BARC antenna tower pieces in the recently repaved parking lot within the fenced area. All RF cables were checked and found to be in working order. Power equipment was placed in a convenient location for Paul Sharp to remove in advance for early power work at the Field Day site. During the inventory, we observed the age of the participants and thought it would be appropriate to strongly suggest that some younger, more able bodied BARC members assist in these activities. The next Field Day Committee meeting will be **Saturday 13 May at 2pm in the BARC Clubhouse**. I moved this meeting later in the day due to Advanced Spotter Training from 10-1 at the USAF Museum. In this upcoming meeting, we will go over the laundry list of small items that need to be accomplished in the next several weeks, making sure that nothing is overlooked before Field Day.



## Note from the Editor

*Full Quieting* uses hyperlinks. They will show up like this, with a [Blue Underlined](#) font. They are used in the following ways:

1) In the Table of contents, clicking on the Article Title or Page Number will take you to that page. For example, this link will take you back to page 1:

[From the President & Editor](#) .....[1](#)

2) Hyperlinked call signs will open your e-mail editor with their E-mail addresses in the To: line:

### 2023 BARC Officers and Directors

President: Ray Hitt, [N8VMX](#)

Vice President: Glenn Rodgers, [KE8LZD](#)

Secretary: Jim Gifford, [KD8APT](#)

Treasurer: John Westerkamp, [W8LRJ](#)

Senior Director: Don Parker, [KB8PSL](#)

Junior Director: Jim Lusk, [KC8EFD](#)

3) Other links within articles will take you to web sites. If you're on a PC, hovering the mouse over the link without clicking it will let you briefly see what web site you'd be sent to if you click it. For example, [BARC](#) will take you to our home page.

Any questions, [e-mail the editor](#)—73, Ray N8VMX



# Lunch Bunch

Jim Totten, [WA8HUB](#)

Hello my fellow lunch lovers. It is now near the end of April 2023. 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.



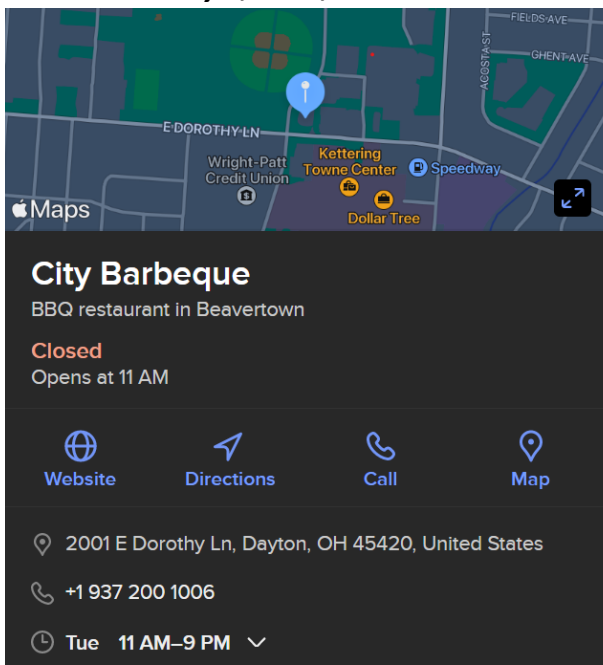
Now, how will the lunches be selected? Accompanying this information page is the same chart in last month's FQ listing our current set of restaurants. The restaurants are listed in the order most popular (at least for the first few) and with a balance variation. No two chicken restaurants in sequence. 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.

Our first lunch in April was Chick-Fil-A, but at a new location. Our lunch was in a new Chick-Fil-A in the Cornerstone complex. The service top-flight, plenty of room in the restaurant and the parking lot. The City Barbeque on April 25th is at our familiar location. I am leaving this location as is so some of our members in the north can attend.

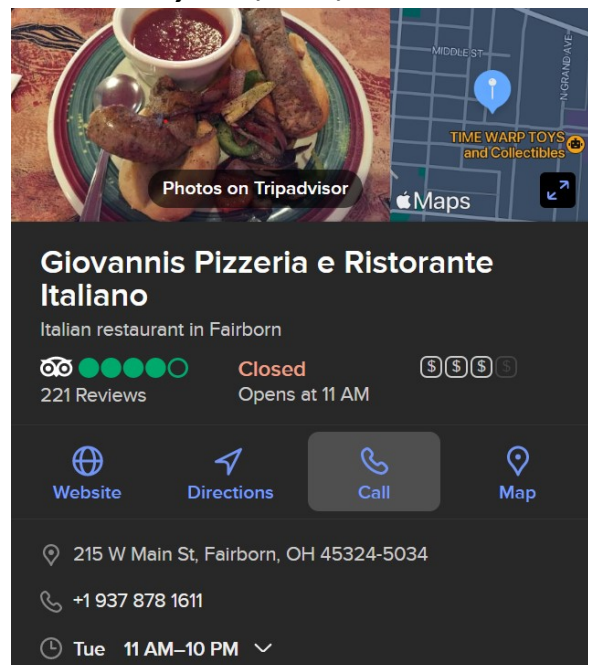
**Now for May: May has five Tuesdays so we aren't late in the month.** For May 9th I am laying in the new City Barbeque on Dorothy Lane across from the Bob Evans. This will allow some further south folks to attend. May 23rd we will eat at Giovanni's in Fairborn. A principal owner died but my intel says they are still serving great food.

73, Jim, [WA8HUB](#)

May 9, 2023, 11:15am



May 23rd, 2023, 11:15am



# Lunch Bunch 2023 List

Jim Totten, [WA8HUB](#)

Date	Restaurant	Address	City	Phone Number
	Cherry House Cafe	1241 Meadowbridge Dr.	Beavercreek, OH 45434	(937) 320-6200
12/06/22	Another Broken Egg Cafe 7:00 am to 2:00 pm	2453 Esquire Dr.	Beavercreek, OH 45431	(937) 912-5074
1/10/2023	China Garden Buffet	112 Woodman Dr. Airway Shopping Center	Dayton, OH 45431	(937) 781-9999
1/24/2023	First Watch 7:00 am to 2:30 pm	5245 Cornerstone North Blvd	Sugarcreek Township, OH 45440	(937) 732-9013
2/14/2023	Submarine House	3195 Dayton-Xenia Rd.	Beavercreek, OH 45434	(937) 429-8650
2/28/2023	Roosters	2430 N. Fairfield <i>The Shoppes at FC</i>	Beavercreek, OH 45431	(937) 702-9500
3/14/2023	Golden Corral Buffet and Grill	2490 Commons Blvd.	Beavercreek, OH 45431	(937) 613-5478
3/28/2023	Yaffa Grill Mediterranean Food	2844 Colonel Glenn Hwy	Fairborn, OH 45324	(937) 429-4959
4/11/2023	Chic-Fil-A	5301 Cornerstone N Blvd,	Sugarcreek Township, OH 45440	(937) 439-1700
4/25/2023	City Barbecue	2330 N. Fairfield Rd.	Beavercreek, OH 45431	(937) 320-0000
<b>5/9/2023</b>	<b>City Barbecue</b>	<b>2001 E. Dorothy Lane</b>	<b>Kettering, OH 45420</b>	<b>(937) 200-1006</b>
<b>5/23/2023</b>	<b>Giovanni's Pizzeria e Ristorante Italiano</b>	<b>215 W Main St.</b>	<b>Fairborn, OH 45324</b>	<b>(937) 878-1611</b>
	Marion's Piazza	1320 N Fairfield Rd.	Beavercreek, OH 45432	(937) 429-3393
	Red Robin	2671 Fairfield Commons Blvd.	Beavercreek, OH 45431	(937) 320-9800
	Beavercreek Pizza Dive	4021 Dayton-Xenia Rd.	Beavercreek, OH 45432	(937) 431-8669



# From Your VP: My Yaesu 6000 Install Into 2023 Forester Sport

Glenn Rodgers, [KE8LZD](#)

When I first mounted this radio into my Ford F150, I wasn't completely happy with the install... reinstalled 2 additional times before I felt it was as good as it was going to get. So when I was faced with moving it into my Forester (an even smaller space), I took a bit more time thinking about it and talking to friends for advice.

John Westerkamp W8LRJ told me he'd mounted his unit under the driver's seat and attached it with velcro. As I'm a great fan of velcro (rather than drilling holes), I looked into this option. It proved to be very doable and actually very easy.

The antenna coax is simply routed under the floor mats and out to the back hatch, where I'd planned to use a mag-mount antenna (allowing me to quickly remove it for car washes).



Supplying power was easy by simply adding Anderson Powerpoles to the fused factory wires, inserting that into a Powerpole cigarette lighter plug, and running that into my center console storage box power outlet. I may run a 10-gauge fused battery connector in the future, but this is working well for now. In addition to this I needed to get a microphone extension cable (RandL) so the mic would easily reach from under the driver's seat. This comes with a little dual plug-in box where you insert the original mic connection. I attached this to the left side of my center console.

I also found a nice mic hanger... looks like a small plastic box with an end open and cutout for mic to slip into, this is mounted forward and higher on the right side of console... both of these with double sided tape.



I was able to position the head unit nicely on a RAM mount which bolts to the seat rail bolt on the floorboard. Online it looks like basically a straight shot... when opening the package I found a nice flex tube which slipped over a very straight piece of metal! Took me a minute to realize it somewhat malleable and could be bent by hand into the shape you wanted. OK... I'll confess, I read the instructions. But after that it was simple and I think I'm going to like it... still 'tweaking' it once in a while.



Honestly the easiest installation I've ever done, no drilling or bolting anything and it's easily removable without any trace it was ever there! This can be a nice point with the non-radio person in your life! Certainly not the only way to install a radio, but it appears to be working for me... and I'm happy. So if you'd like to take a closer look, or even have a bit of help with your next installation... just see me at the next meeting, POTA, or event.

73, Glenn [KE8LZD](#)



## BARC Movie and Dessert Night

Our movie selection for Thursday May 25, 2023 is:

***Uncharted*** (Tom Holland, Mark Wahlberg) PG-13

**Dessert:** “Berried” Treasure



Past movies and desserts in 2023:

- ✓ ***Maverick-Top Gun*** with Cheese cake
- ✓ ***My Big Fat Greek Wedding*** with Apple & Oranges Bundt cake & Baklava
- ✓ ***Darby O’Gill and the Little People*** with Irish Scones and Jam
- ✓ ***A Man Called Otto*** with Cupcakes

We have five more opportunities if you would like to suggest a movie and/or dessert.

Don’t forget we always serve BARC’s famous popcorn!

See you at the movies!

**73, Tink, [KD8NUA](#)**



# BARC Net Hot Topics

Tink Siwecki, [KD8NUA](#)

We've been meeting on 147.045+ for the Bellbrook Amateur Radio Club Net for number of years and every week the Net Control chooses a topic for discussion. Sometimes we have just one topic or it could be several. No matter what the topic is we usually have a pretty lively and informative discussion among those who check-in.

Anyone who is a ham can check in to the BARC Net. We have 5 people who enjoy the title of Net Control and we have an assigned week each month. On average we have anywhere from 12-30 (or more) check-ins consisting of members and non-members. The BARC Net is a good way to keep in touch with other members and find out what's going on in the amateur radio community.

Since the beginning of the BARC net, most every week (I've missed a time or two), I keep a log of check-ins with their call signs, name and where they are located and the topic or topics set by the Net Control. We've touched on many subjects, themes and issues during our time, on the air, together each Sunday. Sometimes it's hard for the Net Control to come up with topic but all of you that check in never let us down so the Open Mic topic is one of our most popular.

These are just a few of the topics we have discussed over the years on the BARC Net. Some have your answers listed though others don't because I didn't write them in my log:

- Best boat anchors you have picked up
- How do you like using Zoom? (5-24-2020 during Covid)
- Did you watch the Space-X launch? (5-31-2020)
- What books have you been reading? *Hidden Order-Brad Thor, Zen & the Art of Motorcycling, RSGB Radio handbook...*
- Road side geology of Ohio
- Do you belong to any other amateur radio clubs? *DARA QCC, ARRL, Huber Heights Amateur Radio Club...*
- Field Day - *a favorite topic before and after our field day*
- What would be your dream DXpedition and who would you take along? *Hawaii, Caribbean, costa Rica, Artic/Alaska, Iceland, Vietnam coast, Rockies, International Date Line, P5NK*
- What's the worst weather you have experienced? *Xenia tornado was top of the list*
- How do you celebrate the 4<sup>th</sup> of July? *Family events, fireworks, travel*
- What is your favorite most used tool in your tool box?
- Do you have any favorite bloggers/vloggers or Youtubers? *Dave Kessler, Gordon West, Sauder Smoke, Ham radio Work Bench*
- How long have you been a ham and what aspect of ham radio do you gravitate to? *Emergency, weather, rag chew, DX, club member...*
- Do you like to camp and where? *Ohio State Parks...*
- Winter ham shack projects- *Antennas, radio repair, ham shack makeover...*

(Continued on next page)



## BARC Net Hot Topics (continued)

- What are some area fun places have you been to or would like to go to? *Air Force Museum, Carillon Park, Ohio Caverns, Westcott House, Sign Museum, Dayton Art Museum, Riverboat in Cincinnati, Rock-n-Roll Hall of Fame, Packard Museum...*
- What type of antenna do you use or would like to have?
- Special event participation-*13 Colonies, Code Talkers, Veterans Day, Florence Nightingale, OSPOTA, Last Man Standing...*
- Bucket list ham or otherwise-*see the Aurora Borealis, travel...*
- Astronomy
- Goodbye Hara Arena Memories- *Hockey games, circus, Hamvention, Disney on Ice, Roller Derby, various concerts...*
- Ham fests you have attended or want to attend
- Have you ever spoken to or heard a "Famous" Ham on the radio? *Joe Walsh, Ronnie Milsap, astronauts, Gordon West, King Hussain, Ed Bolton, Marlon Brando, Barry Goldwater, Paul Sharp ;)*
- Are you interested in Microwave?
- What's your favorite ice cream treat? *Peach, Mint Chocolate Chip, Caramel Praline, Butter Pecan, French Vanilla, Chunky Monkey, Cookie Dough, Butterfinger, Moose Tracks...*
- Do you have a QRZ page set up? *Most have a page some active and some not.*
- Ham radio trivia-*What was the Viking 122? A VFO*
- 3D Printing: do you have a 3D printer and what have you printed?
- What are some of your favorite foods?
- If you could go back in time who would you visit?
- What movies would you like to see at movie night?

This is not a complete list of the topics we have covered but it does give you a good idea of some of the subjects we discuss. I, for one, look forward to spending Sunday evenings at 8:00 PM, in my ham shack, tuned to 147.045 for the Sunday Night BARC Net where **"IT'S ALL BARC & NO BITE."**

73, Tink, [KD8NUA](#)



# Education Coordinator Information

Paul Sharp, [WS8R](#)

During many BARC Sunday Nets and at the various meetings we have, I asked our members for education, training, and hands-on topics they would like for BARC to present. My thought process was to develop a coordinated education program where we would develop and approve a list of educational topics for the calendar year and develop a schedule to present these topics. We would then focus on a topic during the monthly meeting, and go into more detail with operation afternoon and hands-on training.

Based on this input from BARC members, I developed a list of topics and presented them at a recent Planning Meeting where I asked the members to approve or disapprove these topics for presentation during 2023 and I explained the idea of a coordinated education program. It was during this meeting our President for Life, Ray Hitt, nominated me as the Education Coordinator because “No Good Deed Goes Unpunished”. Naturally the members approved this nomination without any hesitation or second thoughts. We discussed the list and approved these topics and the idea of a coordinated education program.

John Westerkamp then took this list and developed a tentative schedule for each month in 2023. This list is a “work in progress” and subject to change as we learn better how to schedule these events. What we have is our first coordinated education topics with our first schedule for when we plan to cover these topics for 2023!

My thanks to the planning meeting members for their review, input and approval of the topics and for John for developing the tentative schedule.

My request for you is to review the topics and schedule and provide your comment to me and the Planning Meeting members.

Here is the list that the Planning Meeting members approved:

## “Topics for Monthly meeting:

- Public Service. Guest speaker.
- Parks on the Air. Paul Sharp
- DMR for the beginner and experienced user. Planned for Nov.
- FT8 for the beginner and experienced user.
- Solar systems. Ray Hitt and others.
- Grounding and bonding. Paul Sharp, and others,
- Field Day planning. (Perhaps combine this with another topic).
- Field Day results. (Perhaps combine this with another topic).



# Education Coordinator Inputs (continued)

## Hands on:

- How to fasten connectors to coax.
- Digital modes. Google Translator, DX
- Antennas for restricted housing.
- How to construct antennas and where to purchase the material. How to test these antennas.
- How to select the appropriate coax.
- How to use antenna analyzers.

## Operating Afternoon and Contesting:

- A hands on review of how to operate the ICOM 7300 and patch panels, radio etiquette.
- Contesting 101. Rookie Roundup
- DX expeditions, how to find them, and how to work them, split, radio etiquette.

## Not covered:

- How to tie knots.

## For 2024:

- CW.”

And here is the tentative 2023 Education Calendar:



# Education Coordinator Inputs (continued)

03/03/23

## Proposal for 2023 Education Calendar

### March – Public Service/EmComm and VHF/UHF Operation

Operating Afternoon: Build 10m antennas (one-off) and where to purchase materials

Hands-On: Build antenna and wind toroid (1:1 choke and 9:1 unun)

Program: Bob Baker, N8ADO, Membership Program on Public Service

Event: Xenia Marathon (April)

Event: Sugar Maple Festival Parade (April)

### April – Intro to IC-7300 and HF Operation

Operating Afternoon: Going over clubhouse, antennas, and IC-7300's

Hands-On: Logging and DX Code of Conduct

Program: Setting up various loggers and connecting to IC-7300

Event: ARRL Rookie Roundup

### May – Antennas

Operating Afternoon:

Hands-On: Rooftop field trip to see antennas and selecting coax

Program: HOA/Restricted Antenna Ideas

Event: Hamvention

### June – Antennas

Operating Afternoon: Refresher on IC-7300 radios and HF

Hands-On: Coax connectors and using antenna analyzers

Program: Grounding and bonding (plus Field Day program)

Event: Field Day

### July – Digital Data Modes

Operating Afternoon: Run FT-8 and Fldigi

Hands-On: Rig control, logging, and Google translator

Program: Running FT-8 and Fldigi on IC-7300 (Field Day results)

*(Continued on next page)*



# Education Coordinator Inputs (continued)

## August – Off-Grid Operation (POTA, SOTA, EmComm)

Operating Afternoon: POTA

Hands-On: POTA spotting and logging

Program: Solar systems

Event: NAQP SSB, Ohio QSO Party, Lions Club Parade

Event: Fall Field Day (Ohio State Parks on the Air in September)

## September – Contesting

Operating Afternoon: Fall Field Day

Hands-On: Setup a contest log

Program: Contesting 101, Setup, Logging, and Tips

## October – Chili Cookoff

## November – Digital Voice Modes

Operating Afternoon: DMR operation

Hands-On:

Program: DMR Intro

## December – DXpeditions

Operating Afternoon: Work a DXpedition

Hands-On:

Program: Dxpediton etiquette, tips, and tricks



# Knot Me Up — Ways To Tie Knots

Jim Totten, [WA8HUB](#)

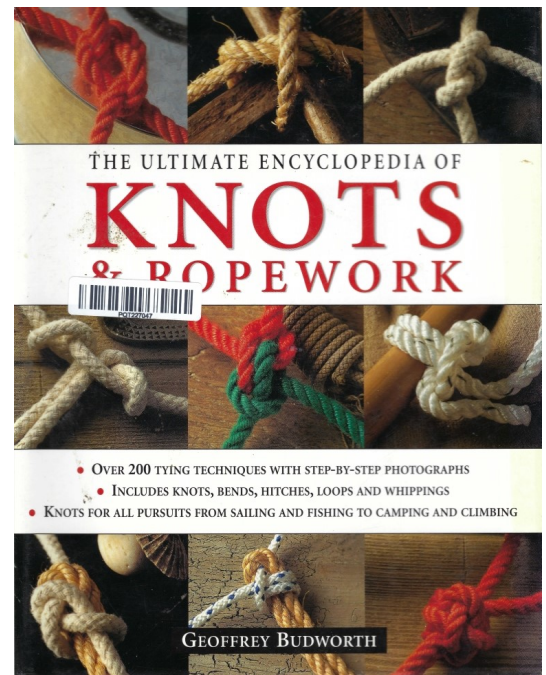
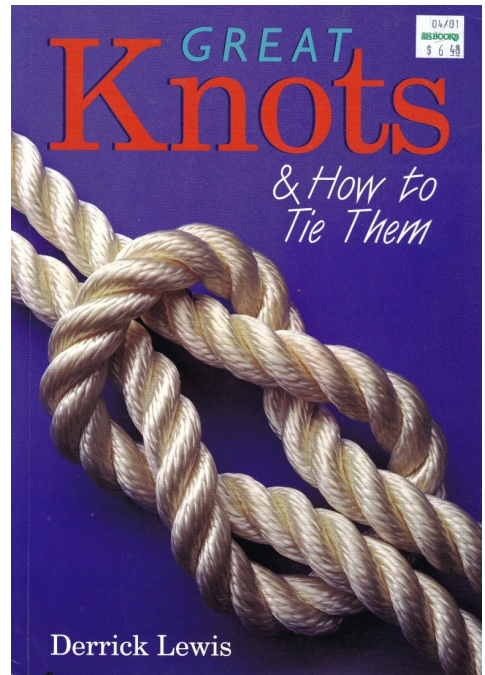
As part of our (BARC) education goals, at the very end and low on the priority list was KNOTS. I am going to enlighten you on the world of KNOTS. In concert with my words are images of at least two books on knots that I own. The first is *Great Knots & How to Tie Them*. The second is *THE ULTIMATE ENCYCLOPEDIA OF KNOTS & ROPEWORK*.

You wonder, where did he get those books? That — is the story.

The first book I found buried in a bunch of books in a cabinet mostly containing books on cooking and sewing collected by Clara. As I was browsing the bookcase (seeing what I would find) I happened on that first book on knots. For the life of me I had no idea where it came from. Then I noticed the price tag. A mystery solved. The tag said Half Price Books and the price was \$6.48. Clara loved to go to that store for her sewing/craft/cooking book searches. Obviously, I wandered off and was caught by this title. Then it was buried and forgotten.

Now to the good part. Where can you satisfy your need to learn knots? I get emails from a web site called [alibris.com](#). They sell books. Or more accurately they catalog and sell books that other people/businesses/stores/etc. have and want to part with. The best part for you and I is the prices are CHEAP. I looked up that first book and the prices ranged from \$3.49 to \$4.61 for trade paperbacks. Most of those were in very usable condition. Then there was a group of sellers that had an other worldly view of value and the prices flew from \$16.93 to \$92.35. Then I made a mistake and hit the search button for more books like this. And I found the second book. The prices on the first page (10 copies) ran from \$2.31 to \$5.00. On the sixth page there were only two copies for \$116.16 and \$140.31. The kicker was there were more knot books listed. One author, Geoffrey Budworth had 24 books on knots listed, one of which was my second book. Actually on a second page Geoffrey had more books. There were 5 more books listed below the first of Geoffrey's.

Now you know how many books there are on knots, and how to get them. Perhaps this satisfies the BARC education requirement to learn about KNOTS.



73, Jim, [WA8HUB](#)



# DXpedition Dxperience (Part 2)

John Westerkamp, [W8LRJ](#)

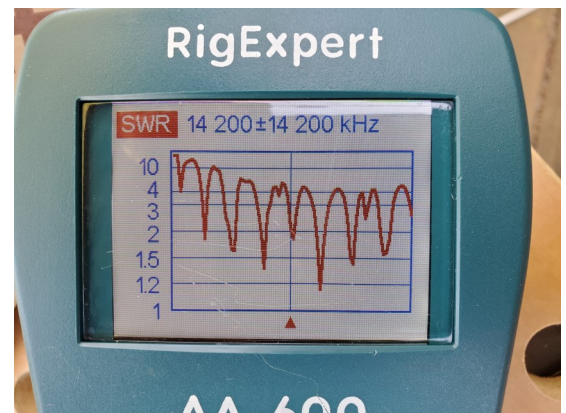
If you are just getting started with HF and DX, this is a great place to begin. Last month, we defined DX and listed the reasons why you might enjoy it. In this month's article, we will discuss setting up your shack for working HF and chasing DX including antennas and radio setup, QSL cards, and logging.



Everything begins with your antenna. There is an old saying, "Spend money first on your antenna, then your radio." We are all attracted to shiny, new HF radios, but even the best radio will disappoint if the antenna isn't good enough. Having said that, any antenna that gets you on the air is a good antenna, so don't let it hold you back!

Wire antennas, in particular dipole antennas like those discussed at last month's Operating Afternoon, are the least expensive to build and work very well if you take the time to tune them. You can get wire and baluns from [R&L](#) or [The Wireman](#). Be sure to check out the [Education Program](#) on the website put on by Glenn Rodgers (KE8LZD) discussing building simple antennas for more detailed information. You can build a good multi-band antenna with a single piece of wire 53 feet long and a 9:1 unun you wind yourself. Note that unbalanced wire antennas will likely require a tuner with your transceiver.

A good [antenna analyzer](#) is a must and I would suggest spending money there first even before your antenna! MFJ makes several popular analyzers that cover HF, VHF, and UHF bands. You can save some money by choosing one that only covers the HF bands, but it is nice to be able to build and tune VHF and UHF antennas, too. Comet also makes good antenna analyzers that include a graphing capability.



In my opinion, the cream of the crop is the [Rig Experts AA-600](#) (now the AA-650) that covers HF, VHF, and UHF. It will graph the SWR across any range of frequencies so you can find the resonant point and adjust your antenna length to move the SWR minimum where you want it. It also provides measurements of impedance including resistive and reactive components, which is very useful for designing matching networks. Here is a plot from my AA-600 for the EFHW-8010. Note that every band from 80m to 10m is better than 2:1 and easily tunable with the radio's internal tuner (except 12m which appears to be about 2.5:1, which is still easily tunable).



Dipole antennas are generally resonant only within a single band (and every third harmonic). Other wire antennas can be tuned on several bands and give you access to lots more spectrum. If you want to get started quickly or are not sure you want to build your own antenna, I recommend a simple End-Fed Half Wave (EFHW) antenna like the [MyAntennas EFHW-8010](#). It costs about \$250 (including the pole mounting hardware) but includes the wire, trap, and balun. It is resonant on several bands from 80m to 10m without a tuner (see SWR image above).

(Continued on next page)

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## DXpedition Dxperience (Part 2 continued)

Another alternative especially for those with limited yard space or who do not want to build a tower is a vertical antenna. There are many reasonably priced vertical antennas available (under \$1000) that do not require much space. Most vertical antennas do require some ground wires laid out in the lawn and spaced around the antenna, but there are verticals that do not require a ground plane (like the R9 at the clubhouse). Vertical antennas are slightly noisier (many local noise sources are vertically polarized), but they are excellent for DX because they have a very low take-off angle and thus reflect very low on the horizon.



If you want to swim with the big fish, consider a directional or beam antenna also known as a Yagi. A Yagi antenna focuses the power in a particular direction and also receives power from only the same direction. This has the advantage of greatly reducing noise and interference from other operators while receiving and for reaching that DX station with more power on target when transmitting. A beam antenna will probably be the most expensive and generally requires that you build a tower and use a rotor to turn the beam in the desired direction. As the photo shows, putting a Yagi on a tower often requires a crane to lift it so the tower climber can attach it.



Regardless of which antenna you end up with, be sure to consider grounding through a [PolyPhaser](#) (lightning protector) outside your house and adding a choke to prevent current from sneaking back into your shack over the coax shield and disrupting your electronics. MyAntennas recommends adding a choke just before the ground point at the PolyPhaser. Questions about grounding and bonding? Be sure to attend the June Membership Meeting for a program on Grounding and Bonding. The BARC library has the bible on the subject, namely Ward Silver's (NOAX) Grounding and Bonding for the Radio Amateur. Here you can see the HF coax connected through the PolyPhaser which is mounted on and grounded to an 8 foot copper ground rod.

I am not going to say too much about radios, as that is a personal choice and depends on your individual budget. Of course, the Icom IC-7300 (like those in the clubhouse) is extremely popular and is priced around an affordable \$1000. Feel free to work the clubhouse radios to get a feel for the 7300.

Yaesu also makes several affordable HF transceivers. You can find all these at [R&L](#). At the other end of the spectrum is the [FlexRadio](#) which starts at \$2000 but has tremendous capabilities. Watch your email for the Flex Users Group meetings if you want to learn more.


So what about logging? The FCC no longer requires amateurs to keep a written log (except on 60 meters where you must prove that you used less than 100 watts effective radiated power relative to a dipole), but it is still a good idea so you can keep track of your contacts for QSL cards, online logging (next month), or just in case the FCC does ever knock on your door. It is also fun to review your contacts! ARRL has a [logbook](#) you can purchase if you like paper logs, but there are good reasons to use electronic logging that we will discuss next month.



# DXpedition Dxperience (Part 2 continued)

Does anybody still use QSL cards? Why, yes, and some people only use QSL cards to acknowledge a contact (although not many). Most people QSL via *Log of the World* (more on that next month), but every once in awhile, you will get a QSL card in the mail. It would be nice to send a QSL card of your own in reply. I recommend getting some made at the local UPS store or any place that does printing on card stock. Here is a look at my QSL card with suggested info to include like address, grid square, lat/long, ITU Region and Zone, CQ Zone, and email address.





With my XYL, Lori, for 2017 Solar Eclipse.

**John Westerkamp/W8LRJ**  
 116 Bramblebush Trail  
 Beavercreek, OH 45440  
 Greene County  
 Grid Square EM79xj, Lat/Long: 39.69/-84.07  
 ITU Region: 02, ITU Zone: 08  
 CQ Zone: 04  
 westerkampj@gmail.com

Confirming QSO With

RADIO	DAY	MONTH	YEAR	UTC	MHz	MODE	RST
Yaesu FT-897D							

**Pse QSL Tnx** **73,**

Front photo of downtown Dayton, Ohio, on the Great Miami River in the USA.

Wow! After all that, we are finally ready to get on the air and work DX. So far, we have a very simple setup that can get you started right away. Although we could certainly do well with this setup, next month we will bring our shack into the 21<sup>st</sup> century and install logging software. We will also connect the software to our rig, upload contacts to *Log of the World*, and use the logging software for DX spotting. Finally, we will add digital/CW software to the mix and really start having fun!

Until next month, Good DX, and may the bands be ever in your favor!

73, John [W8LRJ](#)



# Special Event Stations (SES)

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 many 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. Something for everyone! BARC has a many barbecue followers, a few former members of the US Military and police officers, some like and thrive on CW, and a few like to build strange antennas. **The W6SFM On-Air Bug Roundup is tailor made for all CW operators, but especially those just starting!**

**05/05/2023 | Jiggy with the Piggy- Barbecue Cook off.** May 5-May 6, 1200Z-2000Z, K4C, Concord, NC. Cabarrus Amateur Radio Society. 7.230 14.310 28.430. Certificate. Cabarrus Amateur Radio Society, P.O. Box 785, Concord, NC 28026. <https://www.facebook.com/cabarrusars/> <http://www.cabarrusars.org/> Cabarrus Amateur Radio Society P.O.Box 785 Concord NC 28026 Jiggy with the Piggy info: <https://www.kannapolisnc.gov/Community/Jiggy-With-the-Piggy> <https://www.facebook.com/jiggywiththepiggy/> [www.cabarrusars.org](http://www.cabarrusars.org)

**05/07/2023 | The INDYCAR Grand Prix - Race One.** May 7-May 13, 0000Z-2359Z, W9IMS, Indianapolis, IN. The Indianapolis Motor Speedway ARC. 3.840 7.245 14.245 18.140. Certificate & QSL. Indianapolis Motor Speedway Amateur Radio Club, P.O. Box 30954, Indianapolis, IN 46230. See the website for ALL information! [w9ims.org](http://w9ims.org)

**05/10/2023 | Golden Spike Special Event Station W7G.** May 10, 1500Z-2300Z, W7G, Corinne, UT. Ogden Amateur Radio Club (OARC). 14.255 7.235. QSL. Ogden Amateur Radio Club (OARC), PO Box 3353, Ogden, UT 84409. [www.ogdenarc.org](http://www.ogdenarc.org), [www.qrz.com/db/w7g](http://www.qrz.com/db/w7g), or [w7g.org](http://w7g.org)

**05/13/2023 | Commemorating Armed Forces Day and first US aircraft carrier angle deck tests in 1952.** May 13, 1600Z-2300Z, NI6IW, San Diego, CA. USS Midway Museum Ship. 14.320 7.250 14.071 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)

**05/13/2023 | Jamestown Landing Day Event.** May 13, 1400Z-2000Z, K4RC, Williamsburg, VA. Williamsburg Area Amateur Radio Club. 7.265 14.265. Certificate & QSL. Commemorating the 416th anniversary of England establishing the oldest English-speaking colony on the American continent in May 1607. <https://www.k4rc.net/events/special-event-stations>

**05/14/2023 | National Police Week - Honoring Our Fallen Heroes.** May 14-May 20, 0001Z-2359Z, K3FBI/0-9, Fredericksburg, VA. FBI Amateur Radio Association. 7.275 7.060 14.275 14.060. Certificate. E-certificate only, see website for, details. Multiple club members operating K3FBI/0-9 from around the nation. Multiple bands and modes. Honoring all Law Enforcement who have paid the ultimate sacrifice to protect and serve. Downloadable PDF Certificate 4-6 weeks after the event. [www.qrz.com/db/k3fbi](http://www.qrz.com/db/k3fbi)



## Special Event Stations (SES) (continued)

**05/20/2023 | W6SFM On-Air Bug Roundup.** May 20-May 22, 0000Z-0000Z, W6SFM, Sacramento, CA. Samuel F. Morse Amateur Radio Club. 3.533 7.033 14.033 21.033. QSL. Bob Kehr, 13989 Sutter Highland Dr, Sutter Creek, CA 95685. The Samuel F. Morse Amateur Radio Club -- a CW enthusiast club based in Sacramento, California -- invites you to a special time bringing bug operators together on the air. This 48-hour event is not a contest; rather it is a time dedicated to celebrating our CW and Bug key heritage. In the same spirit as ARRL's Straight Key Night, participants are encouraged to get on the air and simply make enjoyable, conversational CW QSOs using a Bug style key as the sending instrument. There are no points scored in this event, and all who participate are winners. This is an opportunity to exercise, share, and exhibit your personalized fist. Amateur radio operators of all ages and levels of experience are encouraged to participate. Once the event begins, simply Call "CQ BR" so folks know you are a Bug Roundup participant. Grab that bug, clean those contacts, and let'er fly! We want to hear that "Banana Boat / Lake Erie Swing" or that commercial KPH/WCC quality fist. CQ BR will generally be found around x.x33 on 10-15-20-40-80, as band conditions allow. [w6sfm.org](http://w6sfm.org)

**05/22/2023 | The Indianapolis 500 - Race Two.** May 22-May 28, 0000Z-2359Z, W9IMS, Indianapolis, IN. The Indianapolis Motor Speedway ARC. 3.840 7.245 14.245 18.140. Certificate & QSL. Indianapolis Motor Speedway Amateur Radio Club, P.O. Box 30954, Indianapolis, IN 46230. See the website for ALL information! [w9ims.org](http://w9ims.org)

**05/26/2023 | Vietnam Veterans Memorial Special Event Station.** May 26-May 27, 2200Z-2200Z, K9V, Columbia City, IN. Whitley County Amateur Radio Club. 14.270. QSL. Vietnam Veterans Memorial Special Event Station, P.O. Box 652, Columbia City, IN 46725. [wc9ar@arrl.net](mailto:wc9ar@arrl.net)

**05/27/2023 | Strange Antenna Challenge.** May 27-May 29, 0500Z-2359Z, K0S, Springfield, MO. Erik Weaver, N0EW. 14.350. QSL. Erik Weaver, 4857 E Farm Road 136, Springfield, MO 65809.

**73, Paul, [WS8R](http://WS8R)**



# Building A Faraday Cage

Ray Hitt, [N8VMX](#)

I discovered plans on the Internet for building a Faraday cage. If you are unfamiliar with the concept, a Faraday cage is a metal enclosure that blocks RF energy from penetrating it. They are used often in laboratory experiments requiring an RF-quiet background. They can be solid or wire mesh or even grid, depending on the frequency. Technically a Faraday cage is made from mesh or wire grid, while a Faraday shield is constructed of a solid conductor, so my project here is really a Faraday shield.



Some people these days are interested in Faraday cages to protect their electronic equipment from high RF fields like those generated from a high altitude EMP discharge or extreme solar events. The first knowledge of the devastating effects of a high-altitude nuclear EMP was in 1962 when there was reported damage to electrical and electronic devices in Honolulu, around 900 miles from the nuclear test blast in the Pacific. And this was back in the day when there were fewer susceptible items (semi-conductors, computers, etc.) compared to now. Such a blast over the US could wipe out our entire electrical grid for an unknown period of time.

I won't dwell on these factors, they are what they are, but if you're interested then check out the reference links at the end of this article. Out of a sense of engineering curiosity, I built a Faraday cage based on the article from [instructables.com](#). My design is based on a 10-gallon metal can with a metal lid that can be clamped down in place. This is big enough you could put some key items in it that you would want to survive a high RF field. Here's the total parts list, all hyperlinked with the parts I used:

## Parts List

- [10-Gal. galvanized steel locking lid storage can \(Home Depot\)](#)
- [5-Gal plastic bucket \(Harbor Freight\)](#)
- [Lid for 5-Gal bucket \(Harbor Freight\)](#)
- [HVAC foil duct tape \(Home Depot\)](#)
- [Faraday foam gasket \(TitanRF via Amazon\)](#)
- [Heavy duty aluminum foil](#)
- [mylar ESD bags \(optional\)](#)

I followed the original author's design but did make a couple of changes. First, the author used a 3-gallon plastic bucket within a 6-gallon metal can, but I found that Harbor Freight's 5-gallon plastic bucket fit perfectly within a 10-gallon metal can and allows for more storage space for your devices. Second, instead of permanently taping down the lid with metal tape, I used a conductive gasket inside the lid which will allow you to gain access to the contents without having to remove and replace tape every time you need to open it. Of course, you are always free to apply metal tape around the lid as an additional level of protection if you're willing to give up quick access to the contents.



## Building A Faraday Cage (continued)

So, to start out, look at the metal can and you will see there are seams that need to be covered up to prevent RF leakage inside the can. Also, the lid has puncture holes where the handle attaches, these can be covered up by foil on the inside of the lid. Wherever you plan on putting foil tape or gasketing, take some strong isopropyl alcohol and wipe down the metal surface thoroughly, sometimes there is oil residue left over that will affect how well the foil or gasket will adhere to the metal.



The thick gasketing will go on the metal lid where it would touch the can. It is very compressible and will create an RF tight seal after it has settled awhile with the lid on, and it expands back against the metal surfaces.



Once the metal pail is shielded, you can place the plastic pail inside and then your devices to be protected in it. The 5 gallon pail fits well within the 10 gallon bucket. The purpose of the inner plastic pail is to insulate the electronic devices you place inside the cage. They can't contact the metal or else they would be susceptible to

damage from any electrical currents circulating on the bucket.

Once this is built, then what? Take any electronic devices you would like to protect, and place them in a plastic bag. Then wrap that bag in aluminum foil and place in another plastic bag (or use a mylar ESD bag). I put a handheld amateur radio, a couple GMRS radios, and a multipack of FRS radios in here, thinking that radio communication would be critical when the cell networks are all down. There's no harm in putting an older cell phone or tablet in there too, you may want to refer to documents stored on them even if the Internet or cell service is down. Don't forget LED flashlights, rechargers and batteries too. My IC-7300 HF rig is too big, but my Xiegu G-90 might fit. Alternatively, I could bag those larger items up in a mylar bag, then another plastic bag wrapped in aluminum foil, in their carrying case. The idea is to have layers of RF shield that have an additive shielding effect. I estimate around 40 dB of shielding from the metal can itself, maybe another 10dB per layer of metalized bags around the devices (I haven't thoroughly tested the mylar yet to see exactly how much attenuation it provides).



To test my Faraday cage out, I took a Ryobi shop radio and tuned up 1290 WHIO and turned up the speaker loud. Putting the radio in the can, I could still clearly hear the station. Putting on the lid loosely, I could still hear the station. Once I pulled the metal handle up, locking the lid down, I could tell the radio station was weakening but was still audible. Pushing my hands softly around the lid, I could get the station weaker still. Bear in mind that WHIO is under 4 miles from me, putting out 5000W. It's almost strong enough to feel in your metal fillings.

## Building A Faraday Cage (continued)

Trying other stations in the area, I was able to completely eliminate RF signal from 700 WLW, 980 WONE, and 1410 WING, the three strongest AM stations near me. I was also able to completely eliminate RF from FM stations 99.1 WHKO and 99.9 WCHD which are two of the strongest FM stations near me. Strong Wifi from my home network was reduced by 40 dB also, which caused disconnect. Ironically, a cell phone still worked inside the can, but it's hard to measure what is going on because the cellular network is power adaptive and will command the phone to crank up its power to maintain connection. I may look into software that would log that activity, but it's well beyond the scope of this project.

Thanks, hopefully this project is nothing more than an insurance policy that will never have to be claimed filed against it.

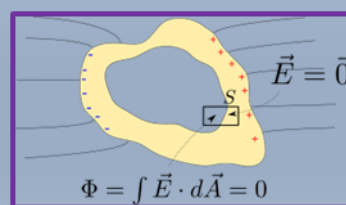
Final Note: It's been 40 years or so since I've taken E&M fields in college, so if I butchered this up a little, my apologies in advance. We have some PhDs in our club who can weigh in on this!

73, Ray, [N8VMX](#)

### How do Faraday cages work?

Faraday cages work due to electromagnetic principles that Michael Faraday discovered in 1836. When an electromagnetic wave reaches a conductive (metal) surface of a Faraday cage, it induces a flow of electrons (current) in the metal. This flow of electrons generates an electromagnetic wave of the opposite polarity, in effect cancelling the electromagnetic wave inside the cage. From outside the cage, it would appear as a reflection of the electromagnetic wave. This works perfectly when the metal has zero resistance. In the real world, since real metal has some resistance, the cancellation will be imperfect so there will be a residual field within the cage.

Also, Gauss' Law describes the relationship between a closed surface containing a charge to the electromagnetic field produced by it. If the closed surface contains no charge, there will be no corresponding electromagnetic field inside the cage.



<https://commons.wikimedia.org/wiki/File:Faradaycagegauss.svg>

### References:

<https://www.instructables.com/Faraday-Cage-Bucket/>

<https://www.futurescience.com/emp.html>

[http://au.encyarta.msn.com/encyclopedia\\_761577227/Faraday\\_Michael.html](http://au.encyarta.msn.com/encyclopedia_761577227/Faraday_Michael.html)

# You Tube Surprises

Jim Totten, [WA8HUB](#)

Hello all members of this great club, the Bellbrook Amateur Radio Club. I was talking to Ray Hitt, N8VMX, about writing an article for the January Full Quietening. Ray was complaining about number of articles. Then a crashing thought came. Let 's look at the world of YouTube Creators. The lists and comments are in no particular order. Luck of the draw. Currently the total number I have identified is 56. That may not be the end. This is the fifth installment of exposing you to these YouTube Creators. As I was writing issue #2, I was continuing to read the January issue of QST. Towards the back of the issue I found a piece by Steve Goodgame, K5ATA on YouTube channels. He started with Ham Radio Crash Course. Steve has indicated this will be continuing feature. Well in the February Issue of QST, Steve kept his word and discussed a YouTube creator 'KM4ACK'. In March Steve discussed KE0OG, #1 on my list. I just checked April and Steve discussed K4SWL #24. I stated that my list is up to #56, and suggested there are probably more. This last month, 3/12-18, I heard a remark from Kyle, AA0Z, that he had done an extensive search and logged/subscribed to at least 400 sites/channels dealing with Amateur Radio in some fashion. I just checked the May edition of QST and Steve's article "Ham Media Playlist" discusses "Ham Radio DX", a YouTube created by Hayden Honeywood, VK7HH. He is #52 on my list.

**41. TheSmokinApe** <https://www.youtube.com/@TheSmokinApe> The Smokin Ape is almost unique in that his call sign if he has one is a complete mystery. His creative purpose "This is where I post videos of things that are of interest to me; Amateur Ham Radio, Solar Power, Batteries, and Flashlights..." Recent videos: Budget Clamp-on Multimeter, NanoVna Battery Failure.

**42. Tank Radio** <https://www.youtube.com/@TankRadio> Tank Radio will be focusing on: Pies in Amateur Radios, SDR, Aredn, Satellite Amateur Radio. Frank, KG5AHJ is seen on many of the livestream videos from Ham Radio 2.0: Jason, KC5HWD. A recent Tank Radio was the Belton Ham EXPO 2023 and support your park weekend.

**43. HamRadio A2Z** <https://www.youtube.com/@HamRadioA2Z> I visited this channel just after I got my IC 7300. Tom, WA2IVD started this channel doing tutorial videos on the Icom IC-7300. It is an amazing entry level radio. It has so many features that he decided the only way to learn them was to play with each feature one at a time. "I figured as long as I was learning about these I might as well make some videos to help others learn about them too. I have since added a couple more radios to the mix, a few projects and a few videos about some events. I changed the channel name, formerly HamCuredSmoke, in the summer of 2021 to better reflect where I hope to go with the channel."

**44. NOSSC** <https://www.youtube.com/@NOSSC> "I'm Sterling, NOSSC, a twenty-something Extra-class amateur radio operator, former ARRL Youth Editor, EE Grad from Missouri S&T (viva la WOEEE!) and video maker. Here you'll find videos mainly pertaining to the art and science of the hobby of Amateur Radio." All of the videos listed on Sterling's are two or more years old. He does show up on livestream events supporting other creators.

**45. Jim W6LG** <https://www.youtube.com/@ham-radio> Jim has been a ham since 1964. He has some serious health conditions but as he says on his QRZ page he will continue to generate YouTube videos passing on his knowledge. His latest is instruction on how to measure the lengths of several antennas.



## You Tube Surprises (continued)

**46. Kyle-AA0Z** <https://www.youtube.com/@AA0Z> Kyle, AA0Z lives in the St.Louis area. His statement of purpose “Welcome to the AA0Z YouTube channel. I feature a little bit of everything on this channel.” Some reviews, how to's, contesting, live streaming, trivia and other events. One of the most informative and fascinating series of his livestreams was on CW. They started 3 months ago and so far there have been 7.

**47. K7AGE** <https://www.youtube.com/@K7AGE> Randy, K7AGE, has many videos about amateur, ham, radio. Learn how to operate and program your 2 meter FM radio, operate PSK-31 and how to build antennas. Many of his videos are aimed at beginners with learning about the basics of amateur radio. Randy holds an Extra class license and has been licensed for over 40 years. Randy has been posting amateur radio videos on YouTube since 2006.

**48. This Side of the Radio** <https://www.youtube.com/@K5QBF> On Shane's, K5QBF, channel he is going to answer the most popular question in ham radio. What's happening on this side of the radio. He expects to cover equipment, some live QSO's, maybe some homebrewing. In his latest video he showed a addition to the Buddi-Stick Pro which allows you to add the necessary radial without driving anything into the ground. Kit available from K8MRD.

**49. K7SW** <https://www.youtube.com/@hamradiowithkevin> Kevin, K7SW says, “As a Ham Radio operator who enjoys operating and making videos about the experiences. I really enjoy sharing the fun I have on the radio and the gear I get to use. Meeting operators from all over. Portable setup and HF while camping and building hobby related equipment.” A lot of Kevin's videos are about antennas, such as a 2m/70cm J-Pole for portable operation.

**50. K6ARK Portable Radio** <https://www.youtube.com/@K6ARK> “Hello YouTube friends! I'm Adam, K6ARK, a ham radio geek who operates mostly outdoors. On my channel, you'll find videos of my SOTA adventures and portable radio-related projects. Hope you have as much fun watching these videos as I do making them.” Adam also designs and manufactures extremely small antennas and keys for those SOTA or POTA expeditions demanding small, compact travel cases/bags.

**73, Jim, WA8HUB**



*{Editor — I received this e-mail from HQ ARRL. As President of the Bellbrook Amateur Radio Club, I am passing this on to all ARRL members in BARC. Please take the time to complete this survey. Thanks **Ray Hitt N8VMX**}*

Dear ARRL Affiliated Club,

This Monday, May 1, ARRL will launch a survey for members, encouraging their participation as we consider a dues increase.

The survey will include some short questions about raising dues and modifying the way some membership benefits are bundled. The survey will also include an opportunity for members to share their feedback.

**The participation of every member is important.** Please encourage all the ARRL members in your radio club to complete the survey in May.

**The survey will open on May 1 at [www.arrl.org/take-dues-survey](http://www.arrl.org/take-dues-survey).** This is a member-only page. Members need to be logged into the ARRL website to take the survey. Members who are not logged in may select the Login button on the top of the web page, and they will be prompted to enter their ARRL website username and password. If they have not logged in since April 2022, they should use these [Login Instructions](#).

Thank you in advance for urging all ARRL members to complete the survey.

73

Mike Walters, W8ZY  
ARRL Field Services Manager

PS: this message was sent to club Presidents, Secretaries, Newsletter Editors, and Contact Persons. We're grateful for all you do to help keep your club members informed and engaged.



# 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*.**

(Continued on next page)



# 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
- 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



# Misc 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, 444.875 (+) 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 (+) (no PL) [Alt = 443.675]**

**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** 2030 Greene County DMR Net Primary: 444.875+, Color Code 13

**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)

## 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.

