



Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



April 2023 — Issue 20

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From the President & Editor

Greetings from your President/Editor,
(and Field Day Coordinator)

April's here, so prepare for some good things as we enter the "busy season". Public service events are on the horizon, Field Day planning has started, and our eyes are set on the Dayton Hamvention.

We're launching our 2023 Education Program. More details to follow once we solidify a few things, but we are starting out this year with **antennas**. One of my goals as President is to integrate *Full Quieting*, our monthly Membership Meeting program, and our monthly Operating Event with a common theme. This is the first time we're doing this, so let me know how you think we're doing.

In the future, we'll be covering Public Service, Parks on the Air, Field Day, DMR and other digital voice modulations just to name a few.

I always am looking for feedback from all of you, and suggestions for topics we may have missed or not covered with enough depth.

With all that being said, enjoy the latest issue of *Full Quieting*. In this issue we tease out antennas, DXpeditions, DMR, Special Event Stations, and continue a series of great YouTube videos scoured by our sleuth, Jim Totten, WA8HUB. More details on these subjects in the months to come. I would encourage BARC elmers out there with a lot of experience in an area we're going to be diving into, to write an article or two and share your knowledge with the club. In the end, we all will grow from this experience, and that's what I want for our club. Thanks!

73, Ray Hitt, [N8VMX](#)

BARC President & *Full Quieting* Editor
(937) 974-6781

**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 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](#)

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

Mike Hagan, KC8FMN, Technician Class

Michael Kalter, W8CI, Amateur Extra

Linda Kalter, W8AAV, General Class

Rob Flory, KA5RUC, Amateur Extra

Congratulations New Technician Class Operators!

Dale Fahrney, KE8WSC

Don Macon, KE8WVJ

Congratulations on License Upgrades!

James Martin, KE8KWB, Amateur Extra

Jordan Rio, KE8VYB, Amateur Extra (Jordan, tell us your 2x1 call when you know it)

Ron Cramer, KD8ENJ (sk)

We received this message from DARA on March 11: With very heavy hearts today we inform you, Ron Cramer KD8ENJ, DARA Vice President passed away this morning. Ron previously held the positions of Chairman of the Dayton Hamvention and President of DARA. Ron was one of the most active members of DARA and Hamvention and was extremely well liked and respected.

More information will be forthcoming. We will pass along any details regarding public plans to honor him.

Please keep him and his family in your prayers.





Sugar Maple Parade Support

The Bellbrook Sugar Maple parade is Saturday April 22. Amateur radio volunteers, gather at [Bellbrook Community Church](#) (SR 725 and Vemco Dr) at 9:30 AM for updates and assignments. The parade begins at 10:30 A.M.

We need 10 volunteers for various positions like Reviewing Stand, merging parade at W. Franklin and Little Sugarcreek, Dots Market, vehicle line up on Vemco Dr. Greg Goffe will cover net control. We should be completed by 11:30 AM.

This is a great opportunity for new members to experience working a controlled net operation. I'll be sending out an email requesting volunteers around April 9. (Don Parker [KB8PSL](#))

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 and finishing between 10 or 11 am. BARC always supplies radio operators to help monitor their events.

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

Washington Mill Park - Net Control - 2 members

The Narrows - 1 member

Upper Bellbrook Road Bridge - 1 member

Washington Mill Road Bridge - 1 member

Lower Bellbrook Road Bridge - 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](#))





Surveying Interest in New Local DMR Net

Larry Baker, KB8EMD, recently proposed an idea about a new noon DMR net on the [N8NQH repeater system](#) owned and managed by Tim Proconiar, N8NQH. There has been relatively little traffic on the DMR repeater system, and we think that a regular net would generate additional interest in DMR operations and increase repeater use. Some questions would be:

1. What time of day would be most convenient for you to participate?
2. How long should the net be?
3. How often during the week should the net take place?
4. What days of the week work best?
5. Would you be available as a rotating net controller?

If you're interested in this new DMR net, please send a response to Larry Baker, [KB8EMD](#) (his email is hyper-linked to his call sign here). My motto is, if you don't use it, you lose it, so those of you interested in DMR, let's flex our muscles and get on the air with it!

Got Questions?

Building a new antenna and have questions about the design? Or are you stumped on how to operate your new radio or connect it to your computer? Hams always have lots of questions, and in a club like BARC, there are many *Experts and Mentors* available and willing to help you out. Here are a couple of ways you can reach an *Expert or Mentor*.

1. Join the *BARC Member Forum* on the website! There are already several topic areas filled with questions and answers.
2. Just send a note via the *Contact* page on the website. Your question will be forwarded to an *Expert or Mentor* who will respond with as much help as they can.

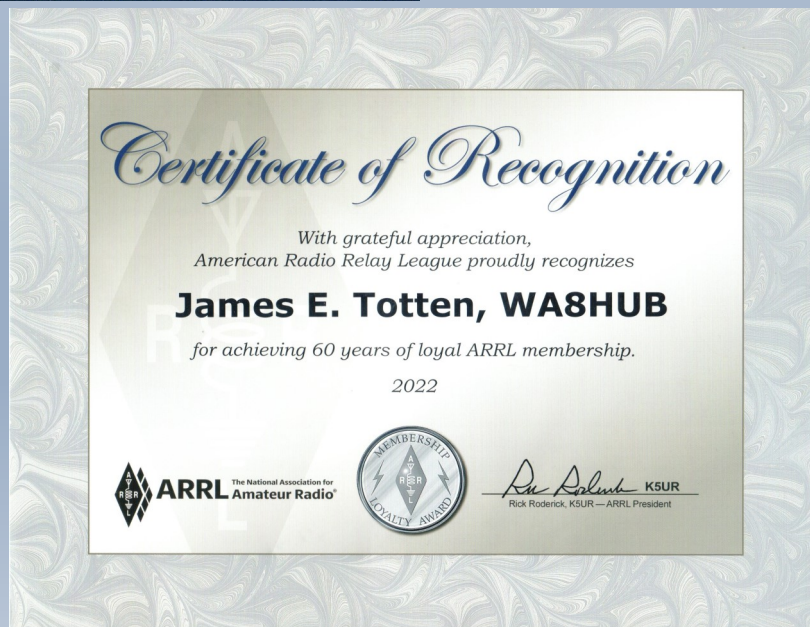
Don't be afraid to ask an *Expert or Mentor* to visit your shack if things really get difficult and you need some hands-on help or tutoring. BARC members visit each other's shacks all the time to work on various projects. So ask away!





BARC Member Hits a Big Milestone

Jim Totten, WA8HUB, has hit a milestone that very few hams ever do — Sixty years of ARRL Membership! ARRL took note of this and sent Jim a nice certificate and pin. Congratulations, Jim!



POTA 1K Award

Randy Allen, KA0AZS, has surpassed 1000 contacts over Parks on the Air (POTA). In response, POTA has provided Randy this beautiful certificate. Good job, Randy!



Western Prairie Fringed Orchid



That
Randolph E Allen
KA0AZS

has submitted proof of working
1000 unique reference areas
in the Parks on the Air program,
this certificate is hereby
presented in recognition of this
outstanding achievement.

1000

Hunter Award

A handwritten signature in black ink, appearing to read "Jason Johnston".

Jason Johnston, W3AAX, POTA Coordinator

03/21/2023

Date

Photo: National Park Service via Wiki Commons



BARC April 2023 Event Calendar

Sun Apr 2, 2023

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

Thu Apr 6, 2023

7pm Planning Meeting Where: BARC Clubhouse

Sun Apr 9, 2023

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

Sat Apr 15, 2023

10am Field Day Committee Meeting & Inventory Where: BARC Clubhouse

Sun Apr 16, 2023

1pm Operating Afternoon: Rookie Roundup SSB Contest Where: BARC Clubhouse

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

Thu Apr 20, 2023

7pm Membership Meeting Where: BARC Clubhouse

Sat Apr 22, 2023

9:30am Sugar Maple Festival Parade Where: Bellbrook Community Church, 3815 W Franklin St, Bellbrook, OH 45305, USA

10am Ohio NVIS Day

Sun Apr 23, 2023

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

Thu Apr 27, 2023

7pm Dinner & Movie Night Where: BARC Clubhouse

Sun Apr 30, 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.

BARC Net: 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 March 2023 there were approximately 69 check-ins lasting 161 exciting and informative minutes. Topics range from Open Mike, did you participate in the CQ WW WPX SSB contest, if you were King or Queen of BARC, what would you start, stop or modify, how did the high winds effect you, what snacks do you like and what do you like to collect? We often have non BARC members checking in to enjoy the Net.

Our faithful Net Controllers are Jim Dean W8UD, Eric Vinande KG6NFJ, Tink Siwecki KD8NUA, Paul Sharp WS8R, and John Westerkamp W8LRJ.

- **Secretary: Jim Gifford, [KD8APT](#):** As club secretary I attended planning and general membership meetings and took notes and minutes, which I published and distributed.
- **Treasurer: John Westerkamp, [W8LRJ](#):** So far in March, there have been some final dues payments but mostly expenses for finishing the Communication Center updates. I don't anticipate a lot of expenses or activity until the weather warms up and Field Day approaches.

One note: The Amazon Smiles Rewards Program was discontinued as of February 20, 2023. Although Amazon will be making a one-time donation to the club, we will be losing a nice free income stream. Thank you to all the BARC members who supported us through Amazon Smiles!

Dues collection has ended for 2023 and you may receive the 2023 Membership Directory before this is published. You can still pay dues if you like. 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. 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](#):** Be sure to watch the website for upcoming events, especially the Rookie Roundup Contest on April 16 and the Sugar Maple Festival Parade on April 22! 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!

(Continued on next page)



Officer, Director, and Coordinator Inputs (continued)

- **Communication Center: John Westerkamp, [W8LRJ](#)**: Hopefully, everyone has seen the updates to the clubhouse Communication Center. We have painted the back wall, added a TV monitor running Hamclock for propagation information, hung some awards and posters, and completed the wiring up to the front Station #4. We are still hoping for some decent weather so we can install the R9 mount on the rooftop as well as the R9 antenna. Following that, we plan to redo 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!
- **Field Day Coordinator: Ray Hitt, [N8VMX](#)**: The BARC Field Day Committee conducted its first Field Day planning meeting of the 2023 season on Saturday morning, 25 March. The meeting was short, under an hour, but we covered a lot of ground. We have some of the Field Day Committee spots filled already, but many spots are still available. If you're interested in participating and want to get on the Field Day Committee e-mail list, please email me right away. The next item on our plate is to perform an inventory of the Field Day equipment (primarily antennas and RF and electrical cables) in early April (probably 15 April) combined with the 2nd Field Day Planning session.



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

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- 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 March, 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.



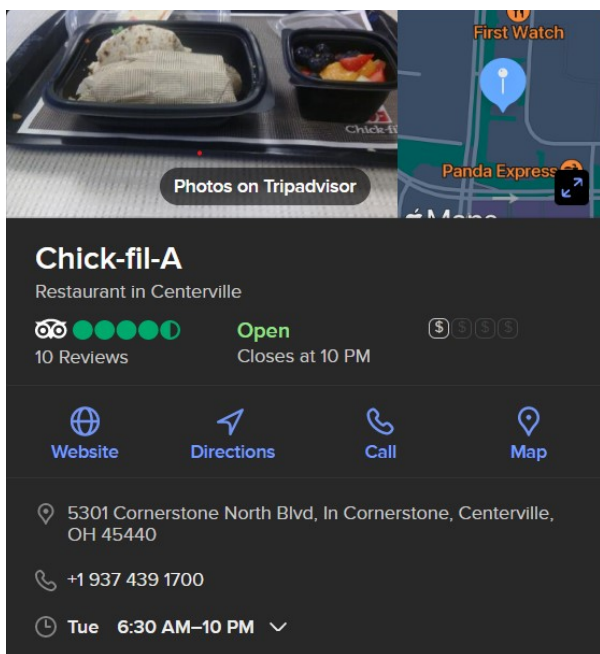
Now, how will the lunches be selected? Accompanying this information page is the same chart in last months FQ listing our current set of restaurants. The restaurants are listed in the order most popular (at least for the first few) and with a balanced variation, no two chicken restaurants in sequence.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

Great news!!! The lunch on March 14 at the Golden Corral was fabulous. We had ten for lunch and nobody left hungry.

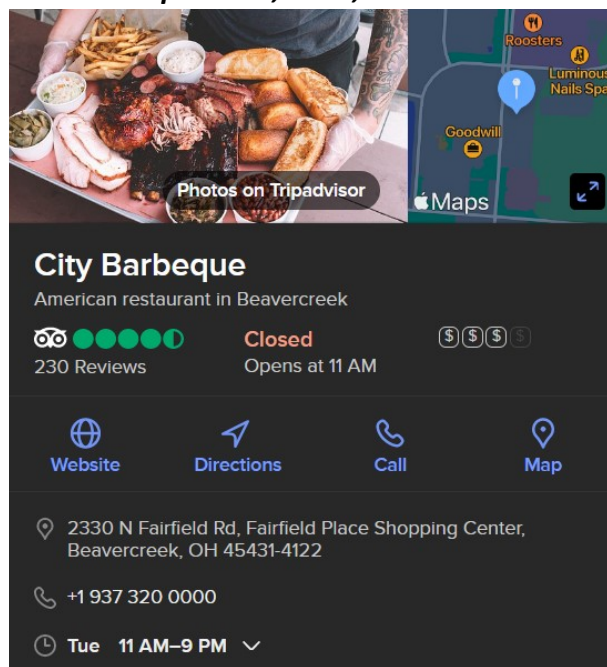
The lunches for April are set. You can see the chart in Full Quieting. The first lunch is Chic-Fil-A, but at a new location. We are trying the venue in the Cornerstone complex. The City Barbeque is at our familiar location. There is a new City Barbeque on Dorothy Lane across from the Bob Evans. That may be a future option.

73, Jim, [WA8HUB](#)

April 11, 2023, 11:15am



April 25th, 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
	Giovanni's Pizzeria e Ristorante Italiano	215 W Main St.	Fairborn, OH 45324	(937) 878-1611
	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



BARC Movie and Dessert Night

Listed below are two suggestions for upcoming BARC Movie and Dessert nights:

April 27, 2023

A Man Called Otto

May 25, 2023

Uncharted

June 22, 2023

July 27, 2023

August 24, 2023

September 28, 2023

October 26, 2023



That leaves us five opportunities this movie season for movie and dessert suggestions. We like to research each movie to find out if they have a specific food/dessert that ties in and try to serve that.

If you have a suggestion for a movie and/or dessert for June through October just drop us an email.

Past movies and desserts:

- ✓ January 26, 2023 *Maverick-Top Gun* with Cheese cake
- ✓ February 23, 2023 *My Big Fat Greek Wedding* with Apple & Oranges Bundt cake & Baklava
- ✓ March 30, 2023 *Darby O’Gill and the Little People* with Irish Scones and Jam

At each movie night we pop up, fresh, BARC’s famous popcorn!

See you at the movies!

73, Tink, [KD8NUA](#)



From the VP

Glenn Rodgers, [KE8LZD](#)

Greeting and Salutations to all, once again I can promise a short read with this note!

First off I'm looking forward to changing vehicles. I'm trading my Blue F150 for a 2023 Subaru Forester Sport (our 9th Subaru). And one of the things I'm most looking forward to is getting it set up just the way I want, and personalizing it a bit. Which means one of the first things is to move my dual band radio into the new toy! And I was just wondering if there might be some of the newer hams who might be looking for ideas on some of the different ways some of us install radios in our vehicles. So if anyone is interested in this sometime, drop me a note or say something the next time we're together and we can talk about setting something up.

Second, in response to Ray's request for something on people's antennas... My primary is the Stepper BigIR (Vertical) 6-40 meters. As far as I know there are only 1 or 2 used in our club, Sushi also uses one and his has the add on for 80 meters (I use a second wire end fed antenna to cover 80 when needed). I really love my BigIR and would recommend it to anyone who has a permanent station setup. It's pretty easy to setup (with the help of 3 additional club buddies), but once glued up and in cement I don't see any real way to move it to another location. It stands a bit over 32' and has an outer fiberglass tube, with an internal PVC section that the metal tape element moves in as it adjusts to the various bands. This antenna includes a controller, so it requires both coax and controller wire to be run into the shack. I also run an Expert 1.3K FA (1300 watt) amplifier.



73, Glenn, [KE8LZD](#)

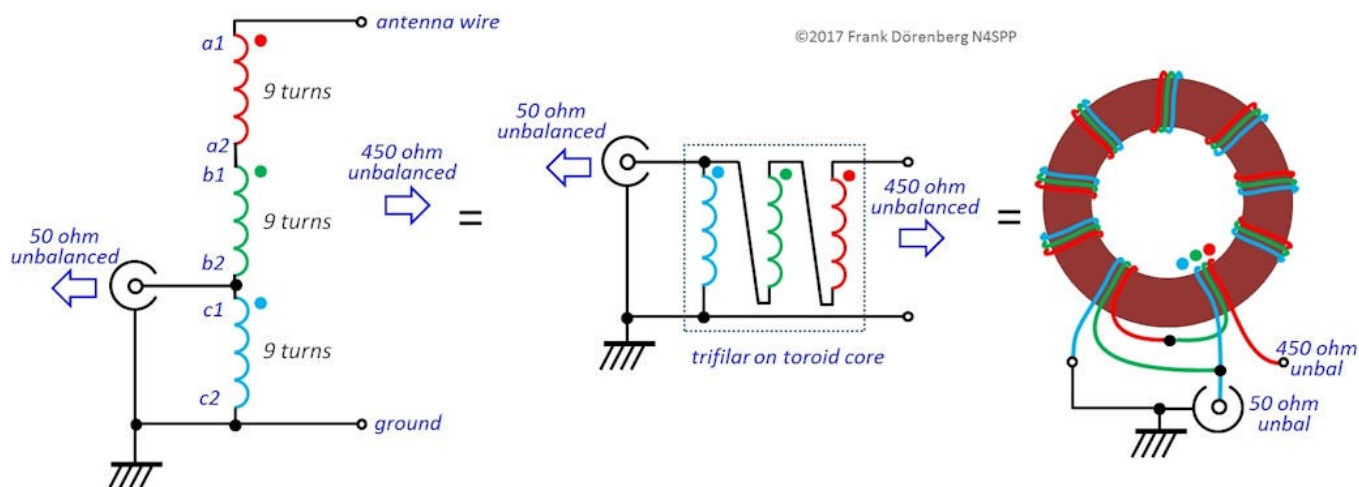
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Operating Afternoon: Antenna Building

John Westerkamp, [W8LRJ](#)

The March Operating Afternoon was hosted by Glenn Rodgers, KE8LZD, at the clubhouse and was attended by 13 other BARC members. Glenn had John Westerkamp, W8LRJ, start off by introducing the concept of Baluns/Ununs and how they are used as matching networks or chokes. John demonstrated a random wire antenna that uses about 53 feet of #16 wire with a 9:1 unun and is very simple to build. The winding diagram for the 9:1 unun is shown below. The toroids used were FT240-43 (lots of great data at [toroids.info](#)).



Glenn then demonstrated a 10 meter vertical dipole build with a 1:1 choke balun from R&L. The antenna was simply 8.25 feet of wire attached to each side of the balun. The wires were cut a little long and the antenna was tuned using an antenna analyzer to measure SWR and then the wires were folded back to shorten the antenna and place the resonance point where it was desired. From there, Glenn built a Multi-Band End-Fed Random Wire antenna with a 9:1 unun as John had demonstrated earlier. We successfully demonstrated that simple dipole or random wire antennas can be built very cheaply.

The BARC members were very enthusiastic and had lots of great questions. Hopefully this Operating Afternoon will inspire more members to get on the air, even in an apartment or HOA. On the next page, the first photo shows a 9:1 unun built with coax connectors, a 1:1 choke, and the FT240-43 toroids used to build them. The others show Glenn with his audience.

Here are some useful websites.

[toroids.info](#) for toroid information and data

[kf7p.com](#) for grounding and bonding and toroids

[randl.com](#) for wire, toroids, and baluns/ununs

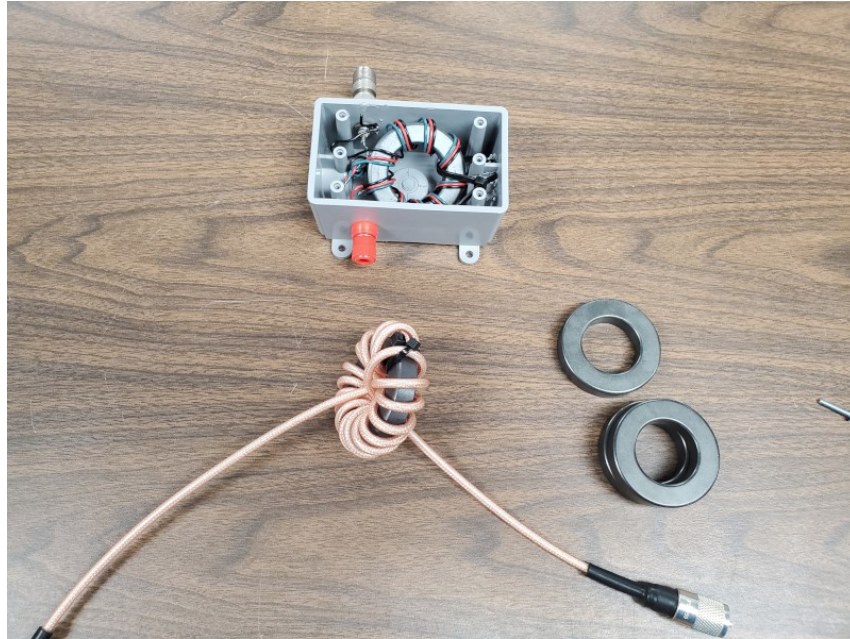
[Delaware Ham](#) for information on random wire antenna lengths

73, John, [W8LRJ](#)

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Operating Afternoon: Antenna Building (continued)

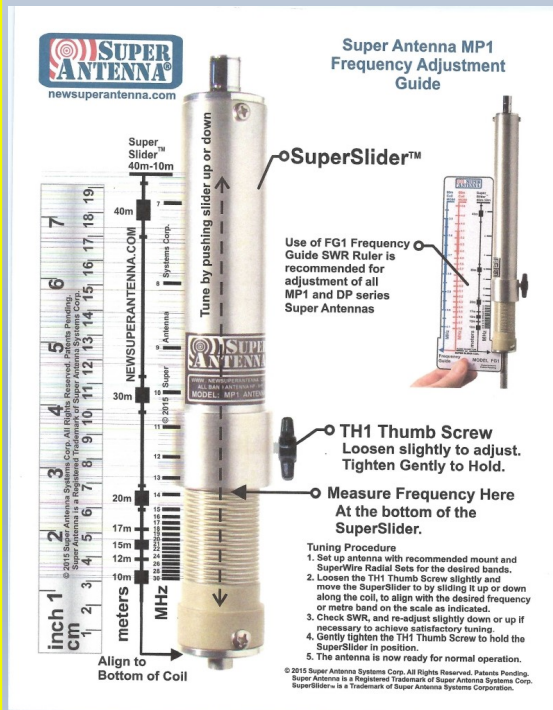


Antennas!

Ray Hitt, [N8VMX](#)

BARC is launching a new educational program, and one of the first topics on our list is antennas. We'll go more in-depth on antennas in other articles in the future, but just for fun, this article is mainly pictures and no math, I promise! We are collecting some pictures and descriptions of BARC member's antennas, their backstory, why they are using it, and so on. Here we go...

Jim Totten, WA8HUB — I bought the Super Antenna® at a HARA Hamvention some years ago. It was before we had a flea market space. If you remember the layout of HARA at the back there were two large halls. In the hall that ended near where the RVs parked is where I got the antenna. He, the owner of the booth, was in an end space about in the middle. I started to look at the antenna he was selling. The price was right. The pieces I got were the adjustable coil, a bottom mounting bracket, tubing with screw ends and nuts for below the coil and a whip for above the coil. The package also included a coil to use for 80 meters. You can see from the picture most of the details. The whole kit can still be purchased through Amazon. The price is \$399. I purchased the frequency guide through Amazon. A week ago I purchased a tripod for use in the field. I thought this antenna would be good for POTA. Evidently there is also a coil for 60 meters.



In the pictures of my antenna you may have noticed the whip was short. The winds either broke it off or it slipped out of its nest. Turns out I can buy a replacement on Amazon. If you search for Super Antenna you will get the complete packages. At the top of the page in pink there is a link for [Super Antenna Store](#) that includes all of the parts you can buy.

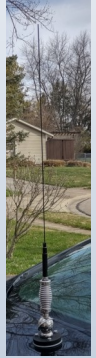


Antennas! (continued)



Ray Hitt, N8VMX — Mobile: I have three antennas mounted to the trunk—I drilled actual holes once I knew I was keeping my Fusion. The antennas on the left and right are standard NMO-mount 2m/70cm dual band mobile antennas. The one on the passenger side can be flipped down to lie horizontal, the other one doesn't. I use one of them for my FT-857D's 2m/70cm output. The other I use either for 2m/70cm DMR or for police/fire scanning.

The center antenna is for the HF side of my FT-857D. When I'm not using HF, I put a 3' short antenna on the spring mount to keep corrosion off. I can swap the 3' whip with a 9' CB whip. I don't leave the 9-footer there unless I plan on using HF because it's comical what happens when you open the trunk and forget the big antenna is there! Inside the trunk is an SGC-237 Smarttuner that autotunes the antenna to the mobile rig once RF signal hits it. I'll transmit a 5-10W carrier to trigger the SG-237 to tune, then switch back to USB and carry on the conversation. It has memories if you revisit frequencies.



Base: For HF in my QTH, I use an 80m dipole (around 35' each leg) connected to 30' or so of ladderline running down to eye-level where an MFJ-926B remote auto tuner matches to RG-8 running into the house. The mast is around 35' of stackable fiberglass mast lashed to the playhouse. The feedpoint and both ends of this dipole are hoisted up with ropes and pulleys so I can lower it for maintenance or bad weather.

For 2M/70cm base station, I have a Comet tri-band co-linear array that has worked longer than I've lived at this location, I probably bought it around 1994. I also have a Diamond discone antenna that I use for backup, for connecting to SDR, or my Whistler digital scanner. It's gain is negligible compared to the Comet tri-band, but it is usable over a very wide range, including down into the AM broadcast band!



You may have noticed that most of my antennas are black. My mobile antennas were repainted black, while I used black insulated wire for the 80m dipole. Studies have shown that black wires are the hardest to see from anywhere more than a few feet away. You may have trouble spotting them in the photos!



(Continued on next page)



Antennas! (continued)

Randy Allen, KAOAZS — Starting from the top of the picture, on HF I have an NA4RR 6-20M Hexbeam at approximately 40' above ground level. It performs quite well, especially given it's relatively small size (11' turn radius). I regularly get called by DX stations when using it.

For 30-80M I have a generic sloper antenna running from my tower at about 30' to the fence at the back of my property. While it is somewhat directional with large nulls to the North and South (and my property is not large enough to re-orient it), I have been able to use it to get DXCC on 30M, with 80 and 47 countries on 40 and 80M respectively. Before I put up the Hexbeam, this was my workhorse HF antenna and I still use it regularly on 6-20 to back up the Hex.

Together, these antennas have allowed be to work 183 countries, with 177 confirmed, and 891 on the DX Challenge. They are also very good for hitting Winlink nodes as far away as Hawaii and Alaska.

Below the Hexbeam is a Cushcraft A27010S 10 element 2M/440 beam. I've had it in the air for over 20, years with some clean up and rehab when I put up the Hexbeam a couple of years ago. I've been accused of using it to "DX Repeaters" in Kentucky with it. Due to terrain to my East, it's the only antenna I can use to access the BARC and GCARES 440 repeaters.

And finally in the picture, an Arrow Dual band J-Pole antenna at 25'. Another one that's been in the air for 20+ years with no signs of giving out. Good coverage of the Dayton area, including being able to hit the BARC and GCARES 2M repeaters. Not shown is an AEA Isopole 2M antenna at about 10' at the front of the house that supports my APRS station, as well as backup Packet Winlink.

All are fed into my basement shack using RG8/U coax with PL-259 connectors. For HF I have an LDG IT-100 tuner for my IC-706MKIIG, and an LDG AT-200Pro II tuner for my IC-7300. For voice ops I can generally tune my Kenwood TS-820 hooked directly to the antenna, but I do have an MFJ-941E manual tuner if needed, particularly on 80 and 40M as the sloper tends to be a little narrow banded at those frequencies.

The Cushcraft beam generally feeds the IC-706MKIIG, my primary VHF Winlink radio (using a Signalink), and the J-pole feeds an IC-2710 dual band radio.

If I need to disconnect external antennas for lightning, I have a heavy duty HT antenna I can switch into either radio to use from the basement for SKYWARN/ARES ops. My house is in line of sight and within 5 miles of the Montgomery County ARES and SKYWARN repeater sites, so I have no problem operating during thunderstorms or if my antennas take a hit from wind.

I think this mix is probably an optimum one for my location, lot size, and operating interests. The only project I currently have on the drawing board is coming up with a patch panel to make switching between the HF rigs easier. (and maybe an 80/160 loop around the backyard, and maybe...)

NA4RR 6-20 Hexbeam

Cushcraft A27010S 2M/440 Beam

6-80M Sloper

Arrow 2M/440 J-Pole



DXpedition DXperience

John Westerkamp, [W8LRJ](#)

Last year, I was finally able to put up an outdoor antenna and start seriously working HF. Having operated successfully for a few years with a homebrew random wire antenna in my attic, I purchased a MyAntennas end-fed halfwave (EFHW) antenna that was about 132 feet long. The feedpoint was connected through a 64:1 unun to match the high feed point impedance of the antenna and attached near the top of a 30 foot mast next to my house (see previous articles). The other end was attached to a tree on the other side of my backyard.



With a decent antenna that was good from 80 to 10 meters (< 3:1 SWR on all bands and easily tunable to < 1.5:1), I was ready to start playing on HF and working DX stations in particular. You may have heard people talk about “chasing DX” and that is really what it feels like sometimes! I decided that I would share my experience and give some tips for finding, chasing, and catching that DX station. It is the perfect way to spend a relaxing couple of hours in front of your radio, and with 10 meters being so active, even a new Technician Class operator can work the world with an HF transceiver and a simple wire antenna!

So what is DX? A DX station is a station in another country or DX entity. For us in Ohio, that means any station outside the lower 48 states (yes, Alaska and Hawaii are considered separate DX entities).

Let’s get started by considering why you might want to chase DX. Here are just a few great reasons:

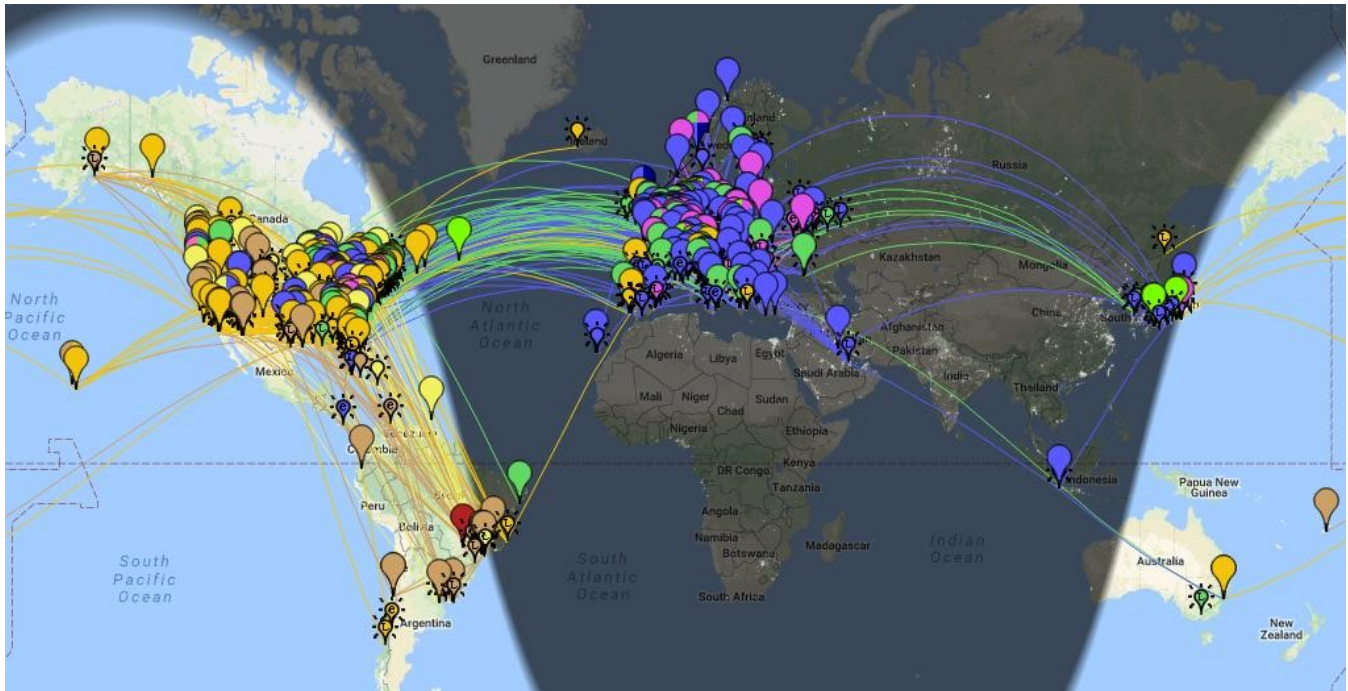
1. It is lots of fun! Sometimes you feel like a detective searching the spotting networks for any interesting DX or for that elusive DXpedition that might be an All Time New One (ATNO) for you.
2. You will learn a great deal about propagation and what bands are effective during various times of day and how to work the Grey Line.
3. Regardless of the mode, you learn patience while listening and developing techniques for working pileups.
4. Especially on phone and CW, you learn how to work split and where the best frequency to call is.
5. With digital modes like FT8, you learn how to work Fox and Hound (F/H) mode and become better acquainted with your software (chasing purples!).
6. If you like geography (and who doesn’t!), DX’ing is a great way to learn where in the world many countries are located.
7. You will certainly learn to recognize prefixes for various countries like DL for Germany, JA, for Japan, or VK for Australia.



(Continued on next page)



DXpedition DXperience (continued)



8. You will learn how to use logging software and various on-line tools to help you find DX stations and acknowledge (QSL) your contacts (QSO's).
9. You can win fabulous prizes like an ARRL DXCC certificate (100 different DX entity QSL's).
10. You can compete in the cutthroat BARC ClubLog DXCC League!

Over the next several months, I will take you through getting setup for chasing DX (shack setup, QSL cards, logging software, and digital/CW software), understanding propagation, DX spotting networks and tools, DX code of conduct and how to work a DX station, using Contests to find DX stations, and finding DXpeditions for those rare DX entities and ATNO's.

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

73, John, [W8LRJ](#)



Special Event Stations (SES)

Paul Sharp, [KD8OPN](#)

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

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 few whiskey / moonshine followers, a few former members of the US Military who served in Vietnam, some like and thrive on popcorn, some enjoy radio astronomy and a few may know people who have pancreatic cancer.

04/02/2023 | The Popcorn Net 3rd Anniversary. Apr 2-Apr 3, 1200Z-1400Z, W4P, Ellijay, GA. Popcorn Net. 7.271 7.272. Certificate & QSL. Popcorn Net, 216 Mount Pleasant Dr., Ellijay, GA 30540. wt2t@popcornnet.net

04/04/2023 | WE7GV Vintage Radio Special Event. Apr 4, 1700Z-2200Z, WE7GV, Sahuarita, AZ. Green Valley Amateur Radio Club. 14.242 14.245 14.248. Certificate & QSL. Tom Lang, 1085 W. El Toro Rd, Sahuarita, AZ 85629. WE7GV will be using the 1963 Discone antenna at the Titan Missile Museum along with vintage Hallicrafter, Heathkit, and Kenwood radios. we7gv1@gmail.com

04/08/2023 | Commemorating Operation Frequent Wind; evacuation of Saigon in 1975. Apr 8, 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

04/14/2023 | Whiskey 4 Moonshine. Apr 14-Apr 29, 0000Z-2359Z, W4M, Boones Mill, VA. AA4SS. 7 MHz 14 MHz 15 MHz. QSL. Timothy Boyd, 2201 Green Level Rd, Boones Mill, VA 24065. W4M ("Whiskey 4 MOONSHINE") will operate from April 14 through April 29 2023 on ALL HF bands using phone, digital, CW and Satellite modes. Operations will take place in Franklin and surrounding counties with one remote operation planned in conjunction with a local Moonshine Heritage Car Show at Ferrum College and a few POTA activations. QSL info on QRZ.com <https://whiskey4moonshine.wordpress.com>

04/17/2023 | World Amateur Radio Day 2023. Apr 17-Apr 18, 1700Z-2300Z, W2W, Rochester, NY. Roc-Ham Radio Network. EchoLink ROCH-HAM CONFERENCE/531091 EchoLink - FREESTAR CONFERENCE EchoLink - WALES CONFERENCE 20m 14.313. Certificate & QSL. John Derycke, W2JLD, 85 Amherst St. Apt. 2, Rochester, NY 14607. Join us for the 8th annual World Amateur Radio Day 2023. For more information, check out the website www.roc-ham.net

04/22/2023 | Earth Day Celebration. Apr 22-Apr 23, 1500Z-2000Z, W8PRC, Cleveland, OH. Parma Radio Club. 7.195 MHz 14.245 MHz 145.410 2m repeater pl 110.9. QSL. Parma Radio Club, 7811 Dogwood Lane, Cleveland, OH 44130. The PRC's 9th Earth Day Celebration, operating on power from Ol' Sol. W8PRC will be operating from Stearns Farm (FB: Stearns Homestead historical farm) www.parmaradioclub.com

(Continued on next page)



Special Event Stations (SES) (continued)

04/22/2023 | Venice Shark's Tooth Festival. Apr 22-Apr 23, 1400Z-1900Z, K4S, Venice, FL. Tamiami ARC. 14.320 MHz SSB 18.085 MHz CW 80-10 m FT8. QSL. Tamiami ARC, PO Box 976, Nokomis, FL 34275. Back on the air again after a three-year COVID hiatus. Venice Florida is considered the Shark's tooth capital of the world. Send a SASE with your QSL card and we'll reply with our card and a genuine, prehistoric shark's tooth fossil for you. tamiamiarc.org

04/29/2023 | Anniversary of the Birth of Radio Astronomy. Apr 29-Apr 30, 1400Z-2359Z, W9GFZ, Virginia and New Mexico. National Radio Astronomy Observatory. 3.800-4.000; 7.175-7.300; 14.225-14.350; 21.275-21.450; 28.300-29.700. Certificate & QSL. Kevin Shoemaker, 1180 Boxwood Estate Rd., Charlottesville, VA 22903. kshoemak@nrao.edu

04/29/2023 | Hams for PanCAN. Apr 29, 1400Z-1900Z, N4P, Altamonte Springs, FL. Lake Monroe Amateur Radio Society. 40 20 15 10 meters. Certificate & QSL. Lake Monroe ARS, 7747 Danu Dr., Orlando, FL 32822. SASE please. From Cranes Roost Park. Multiple N#P Stations across the country will be located in each of the ten ARRL sections -All stations will be on SSB. This nationwide Special Event's aim is raising awareness of pancreatic cancer research and support by the PanCAN (Pancreatic Cancer Network) during its national Purple Stride event. Each station will highlight any ham operator, or friends and family members who are diagnosed with pancreatic cancer located in that Section. Also, we'll provide access to how PanCAN helps patients with support and funding of research projects. Event Bonus stations will be located at Purple Stride locations and will offer special QSL cards. Each N#P station web page on the ARRL Special Event tab will provide QSL submission information. A Clean Sweep Certificate will be awarded for contacting all section stations. QSL card requests need SASE. For a Clean Sweep certificate, include \$1 please. rybar1949@gmail.com <https://>

73, Paul, KD8OPN



DMR: Change your Hotspot Frequency

Ray Hitt, [N8VMX](#)

This article provides tips for changing your DMR hotspot frequency. I know the first question you have is, “Why would you ever want to do that? My system works, so why take a chance?” The reasons are many, here are a few:

1. The frequency you chose initially is now prone to interference that wasn't there before.
2. The frequency you chose turns out to be in a spot frowned upon in ARRL's band plan.
3. Your hotspot performs poorly at its current frequency.

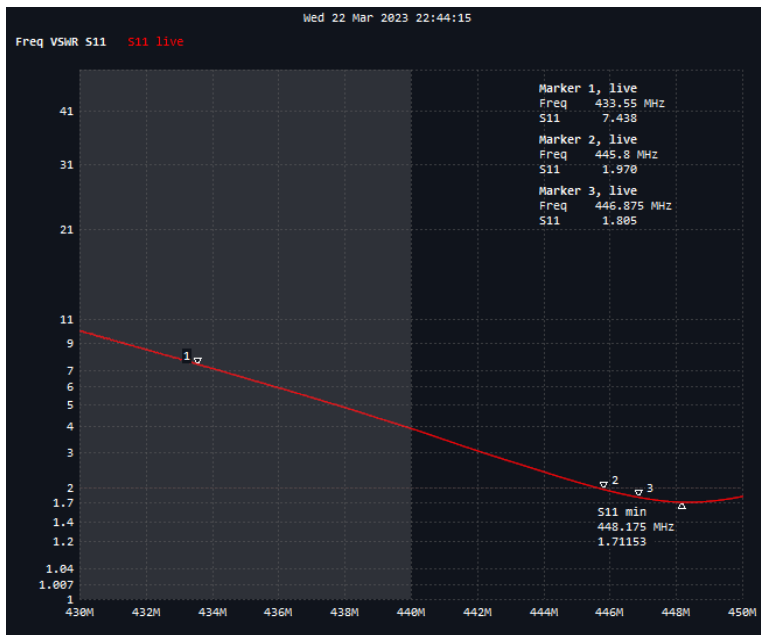
In my case, I was playing around with my NanoVNA and ran an SWR plot on my pi-star hotspot antenna. I wanted to move to the best VSWR as possible. The pi-star is set by default to 433.550 MHz. I had changed frequency 3 years ago to 445.800 MHz. I found a table of legitimate frequencies for simplex hotspots and opted to move my pi-star to 446.875. My NanoVNA generated a VSWR chart for me between 430 and 450

Marker	Frequency (MHz)	VSWR
1	433.5500	7.4
2	445.8000	2.0
3	446.875	1.8

MHz for the pi-star antenna. Here's a table of VSWRs and the NanoVNA-App plots.

Marker 1 show the default as-shipped frequency with pi-star, marker 2 was my initial hotspot frequency, and marker 3 is where I ended up. You can see a improvement from marker 1 to 2, not so much from 2 to 3. Your results may vary depending on your antenna. The main point of this article is to show how to change this frequency in your hotspot and equally importantly, your radio. I'll be describing the procedure using the pi-star hotspot and the Anytone AT-D878UVII, but most of these DMR radios use similar software to reprogram them, so this should apply with only minor differences.

Before changing your hotspot frequency, I recommend taking a look at the ARRL band plans for 70cm frequencies. After this article is a table of suggested simplex and duplex pairs of hot spot frequencies to choose from. These are provided courtesy of N8RMA at [MichiganOne DMR Net](#).



This is a two (or maybe three) step process. First, you need to change the pi-star's transmit/receive frequencies, then you need to reprogram your transceiver(s) with the new frequency, then your scanner too, if you have one and it supports DMR.

(Continued on next page)



DMR Tip – Changing your Hotspot Frequency (continued)

Step 1) Reprogram pi-star: Go to your pi-star web page which can usually be found at <http://pi-star.local>. Click on the [Configuration Menu](#), then scroll down to “Radio Frequency”. I have a simplex hot-spot so there’s only one frequency to enter. If you have a duplex, there would be two, transmit and receive. Enter your desired frequency (or frequencies) there, and then click on “Apply Changes”. The format is unusual; in my case, it’s 446.875.000 (with periods, not commas – a UK tradition). That’s it, done with Step 1.

General Configuration

Setting	Value
Hostname:	pi-star <small>Do not add suffixes such as .local</small>
Node Callsign:	N8VMX
CCS7/DMR ID:	1139746
Radio Frequency:	446.875.000 MHz

Step 2) Change Frequency in AnyTone DMR radio: While you can reprogram a DMR radio by hand, it realistically requires use of your computer and the DMR editing software provided with your radio. The program name will vary, based on your radio model and firmware level, in my case, it’s D878UVII_3.01. Turn on your radio, connect the radio with its programming cable to your USB port, then launch the software. The software will load with the latest configuration file you edited. If you’re sure this is the software that’s in your radio, go ahead, otherwise strongly I recommend you select “Program Menu” -> “Read From Radio”. This will download the radio’s contents into the software, ensuring you are using the latest information you have. You should see something like this:

The screenshot shows the D878UVII software interface with a list of channels. The columns are: No., Receive Frequency, Transmit Frequency, Channel Type, Power, Band Width, CTCSS/DCS Decode, CTCSS/DCS Encode, Channel Name, Contact, Radio ID, and Optional Signal. The channels listed range from 145 to 169. The software title bar indicates the file path: X:\Ray's Documents\Amateur\DMR\N8VMX Default 20210721.rdt | Version 3.01.

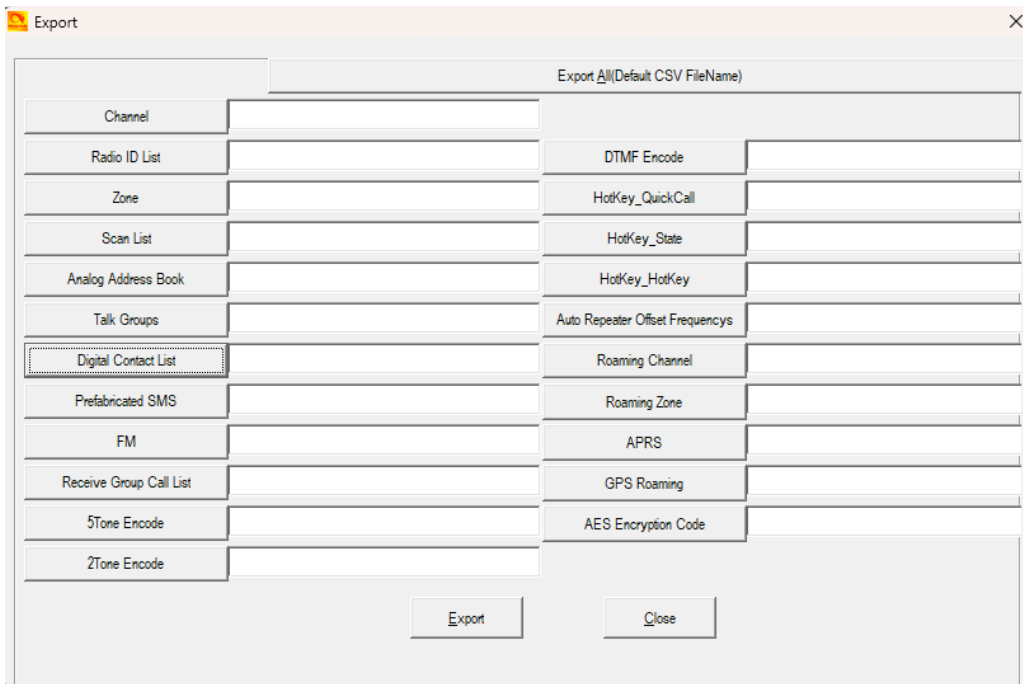
You can see that there are a lot of entries to change, several hundred of them in my case. **Here’s my tip:** Don’t change the hotspot TX and RX frequencies in this program. Instead, export the Channel settings as a .csv (comma separated variables) file, then edit that file in Excel or LibreCalc, then import that modified Channel file back into the Anytone software. This tip will save you hours of editing and reduces the chances for errors.

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DMR Tip – Changing your Hotspot Frequency (continued)

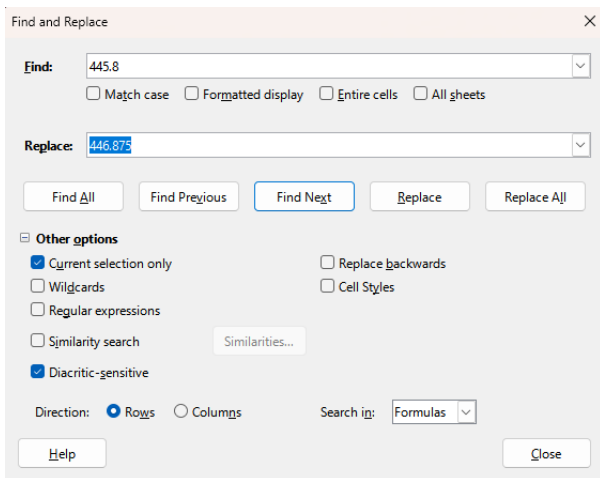
So, in the DMR programming software, click “Tool -> Export”, then the following screen will appear:



You can select “Channel”, after which you’ll be prompted a filename for this file. Save it somewhere you so can find it again (spoken from experience), then hit the Export button and minimize this software until later.

Navigate to the CSV file you just made and open with either with Excel or LibreCalc. Once imported, highlight the two entire columns “Receive Frequency” and “Trans-

mit Frequency”, then type Ctrl-H (search and replace), and you’ll see this dialog:



I checked the “Current selection only” option, that prevents LibreCalc from modifying cells outside the two columns we selected. Then hit “Replace All” to perform the replacement. Unless you share a frequency with another repeater, this replacement will only affect the frequency associated with the pi-star.

Inspect the results to make sure they’re what you expect, if so, then **save this as another CSV file, not in the native LibreCalc format**. You can then exit out of LibreCalc, and return to the AnyTone programming software.

Within the AnyTone software, you do the reverse of what you did before, “Tools -> Import”, then select the CSV file you just made. The Channels information should contain the frequency modifications you just made.

While you’re at it, import the new Digital Contact list. This matches the DMR Radio ID with the name and location of the DMR radio user. If you don’t do this from time to time, you’ll occasionally see DMR IDs with no names when they are transmitting; they are new users that your radio isn’t programmed to know yet.

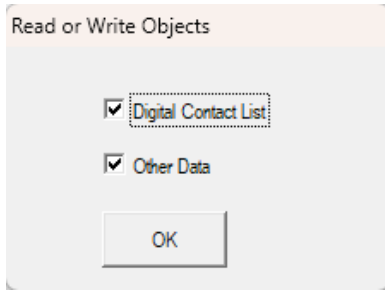
I grabbed my latest Digital Contact list from Powerwerx website. It downloads a .csv file into your Downloads directory. Using the Import procedure I described above, click on “Digital Contact List”. This file is big, so it will take a while.

(Continued on next page)



DMR Tip – Changing your Hotspot Frequency (continued)

Now, this Anytone programming file still needs to be saved to the hard drive and uploaded into the radio before we're done here. To upload into the radio, it's just the reverse of what you did before, where you select "Program -> Write to Radio". If you are updating just frequency changes and other miscellaneous radio settings, select "Other Data". If you are updating the contact list, check "Digital Contact List" (or both). Once the radio finishes receiving the update, it will automatically reboot, after which it's ready to use.



This is the first of many articles on DMR. Soon, I'll take a step back and explain what DMR is and what sets it apart from your normal analog FM repeater use that most all of us are already familiar with.

73, Ray, [N8VMX](#)



Look What Tim Built

A while back Tim, N8NQH, posed a question asking if the Anytone Bluetooth (BT) microphone could be charged using a homemade charging cradle.

The BT microphone uses either a RJ-45 cable hooked to the Anytone 575 mobile radio's MIC port or a micro USB cable plugged into the micro USB port hidden under a rubber cap on the BT microphone.

Thinking that the cap would soon become lost, charging through the RJ-45 port would solve the problem. Since Anytone does not make a charging cradle, Tim being the resourceful ham he is made one. I'm glad he did because he gave it to me to try.

During testing I found not only does it work great, it is much easier to use than the USB cable I had been using.

Kudos's to Tim!

If your new to DMR, or have some questions about DMR check out [Timz web site](#).

73, Larry Baker [KB8EMD](#)



Picking a frequency (or pair) for your DMR hotspot

Courtesy of N8RMA at [MichiganOne DMR Net](http://MichiganOneDMRNet.com)

One of the first things you'll want to consider when setting up your new hotspot is what frequency (or for duplex, which pair) to use. Many of these boards come from China with a defaulted option that may or may not work with your regional band plan. Below are some frequencies you can choose from (in the US), dependent on a few factors.

First, you'll want to make sure these are not in use already from a close neighbor. Second, you'll want to pick a frequency that is relatively free of noise within your home. The frequencies below have been established within the ARRL band plan and are acceptable to use for your personal hotspot.

These frequencies and pairs are outside the satellite range and common UHF repeater inputs / outputs, avoiding the influx of hotspot users from ruining the fun of other amateurs.

UHF Simplex Frequency	UHF Simplex Frequency	UHF Simplex Frequency	UHF Simplex Frequency	UHF Simplex Frequency
445.0125	445.3875	445.7625	446.1375	446.5125
445.0250	445.4000	445.7750	446.1500	446.5250
445.0375	445.4125	445.7875	446.1625	446.5375
445.0500	445.4250	445.8000	446.1750	446.5500
445.0625	445.4375	445.8125	446.1875	446.5625
445.0750	445.4500	445.8250	446.2000	446.5750
445.0875	445.4625	445.8375	446.2125	446.5875
445.1000	445.4750	445.8500	446.2250	446.6000
445.1125	445.4875	445.8625	446.2375	446.6125
445.1250	445.5000	445.8750	446.2500	446.6250
445.1375	445.5125	445.8875	446.2625	446.6375
445.1500	445.5250	445.9000	446.2750	446.6500
445.1625	445.5375	445.9125	446.2875	446.6625
445.1750	445.5500	445.9250	446.3000	446.6750
445.1875	445.5625	445.9375	446.3125	446.6875
445.2000	445.5750	445.9500	446.3250	446.7000
445.2125	445.5875	445.9625	446.3375	446.7125
445.2250	445.6000	445.9750	446.3500	446.7250
445.2375	445.6125	445.9875	446.3625	446.7375
445.2500	445.6250	446.0000	446.3750	446.7500
445.2625	445.6375	446.0125	446.3875	446.7625
445.2750	445.6500	446.0250	446.4000	446.7750
445.2875	445.6625	446.0375	446.4125	446.7875
445.3000	445.6750	446.0500	446.4250	446.8000
445.3125	445.6875	446.0625	446.4375	446.8125
445.3250	445.7000	446.0750	446.4500	446.8250
445.3375	445.7125	446.0875	446.4625	446.8375
445.3500	445.7250	446.1000	446.4750	446.8500
445.3625	445.7375	446.1125	446.4875	446.8625
445.3750	445.7500	446.1250	446.5000	446.8750

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Picking a frequency (or pair) for your DMR hotspot (continued)

UHF Duplex	
TX	RX
433.0125	438.0125
433.0250	438.0250
433.0375	438.0375
433.0500	438.0500
433.0625	438.0625
433.0750	438.0750
433.0875	438.0875
433.1000	438.1000
433.1125	438.1125
433.1250	438.1250
433.1375	438.1375
433.1500	438.1500
433.1625	438.1625
433.1750	438.1750
433.1875	438.1875
433.2000	438.2000
433.2125	438.2125
433.2250	438.2250
433.2375	438.2375
433.2500	438.2500
433.2625	438.2625
433.2750	438.2750
433.2875	438.2875
433.3000	438.3000
433.3125	438.3125
433.3250	438.3250
433.3375	438.3375
433.3500	438.3500
433.3625	438.3625
433.3750	438.3750
433.3875	438.3875
433.4000	438.4000
433.4125	438.4125
433.4250	438.4250
433.4375	438.4375
433.4500	438.4500
433.4625	438.4625
433.4750	438.4750

UHF Duplex	
TX	RX
433.4875	438.4875
433.5000	438.5000
433.5125	438.5125
433.5250	438.5250
433.5375	438.5375
433.5500	438.5500
433.5625	438.5625
433.5750	438.5750
433.5875	438.5875
433.6000	438.6000
433.6125	438.6125
433.6250	438.6250
433.6375	438.6375
433.6500	438.6500
433.6625	438.6625
433.6750	438.6750
433.6875	438.6875
433.7000	438.7000
433.7125	438.7125
433.7250	438.7250
433.7375	438.7375
433.7500	438.7500
433.7625	438.7625
433.7750	438.7750
433.7875	438.7875
433.8000	438.8000
433.8125	438.8125
433.8250	438.8250
433.8375	438.8375
433.8500	438.8500
433.8625	438.8625
433.8750	438.8750
433.8875	438.8875
433.9000	438.9000
433.9125	438.9125
433.9250	438.9250
433.9375	438.9375
433.9500	438.9500

UHF Duplex	
TX	RX
433.9625	438.9625
433.9750	438.9750
433.9875	438.9875
434.0000	439.0000
434.0125	439.0125
434.0250	439.0250
434.0375	439.0375
434.0500	439.0500
434.0625	439.0625
434.0750	439.0750
434.0875	439.0875
434.1000	439.1000
434.1125	439.1125
434.1250	439.1250
434.1375	439.1375
434.1500	439.1500
434.1625	439.1625
434.1750	439.1750
434.1875	439.1875
434.2000	439.2000
434.2125	439.2125
434.2250	439.2250
434.2375	439.2375
434.2500	439.2500
434.2625	439.2625
434.2750	439.2750
434.2875	439.2875
434.3000	439.3000
434.3125	439.3125
434.3250	439.3250
434.3375	439.3375
434.3500	439.3500
434.3625	439.3625
434.3750	439.3750
434.3875	439.3875
434.4000	439.4000
434.4125	439.4125
434.4250	439.4250

UHF Duplex	
TX	RX
434.4375	439.4375
434.4500	439.4500
434.4625	439.4625
434.4750	439.4750
434.4875	439.4875
434.5000	439.5000
434.5125	439.5125
434.5250	439.5250
434.5375	439.5375
434.5500	439.5500
434.5625	439.5625
434.5750	439.5750
434.5875	439.5875
434.6000	439.6000
434.6125	439.6125
434.6250	439.6250
434.6375	439.6375
434.6500	439.6500
434.6625	439.6625
434.6750	439.6750
434.6875	439.6875
434.7000	439.7000
434.7125	439.7125
434.7250	439.7250
434.7375	439.7375
434.7500	439.7500
434.7625	439.7625
434.7750	439.7750
434.7875	439.7875
434.8000	439.8000
434.8125	439.8125
434.8250	439.8250
434.8375	439.8375
434.8500	439.8500
434.8625	439.8625
434.8750	439.8750



YouTube 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 Quieting*. Ray was complaining about the 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 fourth installment of exposing 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 week, 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.

31. KK6USY <https://www.youtube.com/@KK6USYHamRadioAdventures> Chuck is KK6USY. On his channel he will show how to build ham radio related products, like antennas, radios, and antenna mounts. He also shares POTA and SOTA activations, overlanding mixed with camping and ham radio. Also on this channel he will evaluate ham radio, camping, and offroad equipment. His latest video discussed LiFePO₄ batteries.

32. SevenFortyOne <https://www.youtube.com/@SevenFortyOne> Name and Call unknown. "Thanks for stopping by! This channel is really nothing more than me documenting some of the repairs and projects I work on around the house, in the garage, and in my ham radio shack. My videos aren't really intended to be "how to" videos. My intent is to document and share the things I'm doing for reference and/or entertainment." Examples of his streams include Ham Radio Fox Hunting (Radio Direction Finding) and POTA.

33. Carl Gorse 2E0HPI <https://www.youtube.com/@carlgorse2e0hpi80> Carl is from the UK. Most of his videos relate to ham radio activations in various parts of the countryside. He currently has 259 subscribers. I did subscribe to see some of his activities.

34. Tom the Dilettante <https://www.youtube.com/@TomtheDilettante> Illinois Marine Corps veteran and DIY devotee here to share some of his favorite things and connect with members of communities with common interests. He is currently dedicating time to the 2019 Subaru Crosstrek and other car and overlanding mods and reviews, and we'll see where it goes from there. He also recently got into amateur radio and might do some related videos. No call published.

35. jo2slz <https://www.youtube.com/@jo2slz> Hiramatsu is from Ise City, Japan. That's his call in the YouTube address. He is concentrating on learning and developing his CW skills. His video titles look interesting. Here are a couple: 'Slow Motion of High Speed CW Transmission' and 'An example of shorthand for high speed morse code reception'. Most of the videos are 11 to 13 years old.

(Continued on next page)



YouTube Surprises (continued)

36. Gadget Talk <https://www.youtube.com/@GadgetTalk4U> On this channel he does reviews and how-to's on a variety of electronic gadgets. These include action cameras, video accessories such as microphones and lighting, and radio related topics of interest to ham and GMRS radio operators. No name or call.

37. Mr. Carlson's Lab <https://www.youtube.com/@MrCarlsonsLab> Electronic "how to's," and random project descriptions. Example: Yaesu FT-1000MP Repair and Modification. This was a 2 hour video. Another: Receiver Restoration Series! The RCA CR-88. This one was part of a series. The first example was 8 years ago, the second was 2 weeks ago.

38. watersstanton <https://www.youtube.com/@watersstanton> "This is the Channel presented by Waters & Stanton Ltd. We are a major UK distributor of Radio Communications equipment and our Company was established in 1973. We hope that you enjoy the content and also enjoy reading the comments of our viewers." A few titles: 'My 5-Band Attic Antenna for Ham Radio', 'QRP Operation - Goodbye Scotland - Ham Radio', 'My Worst HF Antenna in Eighty Years!'. I have watched a few and the accent is great.

39. NotaRubicon Productions <https://www.youtube.com/@TheNotaRubicon> Adventurer, YouTuber, and GMRS Hobo To The Stars aka Randolpho (Randy) Cafe. He states, "My channel is not a soapbox for stupidity or misinformation so comments on my videos are moderated. If you don't like the rules of my channel, please go watch something else." Here is the title of a 3 minute video, 'Privacy Tones & Codes ARE Private! I Was Wrong About GMRS & Ham CTCSS, DTC, & DCS "Privacy Codes"'. No name or call. This may be stretching your definition Ham Radio.

40. D-Lab Electronics <https://www.youtube.com/@d-labelectronics> D-Lab Electronics specializes in restoration of old tube guitar amps, ham receivers, transmitters, custom building tube amplifiers, repair, mods and un-mods, updating amps with eyelet boards, tech tips, soldering training, industrial controls, software generation for test fixtures, calibration, panel layout, lots more. "I'm into too much. I have taken the shop to a new level." No name or call.

73, Jim, [WA8HUB](#)



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*.**

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Editorial Policy and Style Guidelines for *Full Quieting*

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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

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)

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.

