

Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



June 2024 — Issue 34

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From the President & Editor

Greetings,

Happy June, everyone! I hope everyone had fun at the Hamvention, I know I did. I didn't get many e-mails about what you did, but I did get quite a few photos, you'll see them in this issue. Our flea market booth was successful not only in most of selling our excess ham radio treasures, but also some items brought in by club members. Plus it proved to be a nice oasis for BARC members to stop by.

This month brings us Field Day (June 22-23), arguably the most fun event of the year. Glenn Rodgers is heading it, but alas had to drag himself away on a cruise. We will run it in his absence and you should have a blast. Check your e-mails if you're on any sub-committee regarding the June meeting to go over last minute details. The June Membership meeting will cover Field Day in great detail as well. I hope to see you all there.

In late June, we will be supporting the Little Miami River Clean-Up event. There will be details in this issue. E-mail Darryl Fowler, [KD8JQE](#) with any questions about volunteering.

So, dive into June and make the most of it!

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...



2024 BARC Officers and Directors

President: Ray Hitt, [N8VMX](#)

Vice President: Jim Totten, [WA8HUB](#)

Secretary: Jim Gifford, [N8KET](#)

Treasurer: John Westerkamp, [W8LRJ](#)

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

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

2024 Coordinators

Clubhouse: Jim Lusk, [KC8EFD](#)

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

Contesting: Ken Gunton, [W8ASA](#)

Education: Paul Sharp, [WS8R](#)

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

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

Full 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: Bob French, [AC8ZU](#)

Webmaster: John Westerkamp, [W8LRJ](#)

BARC Net: Every Sunday, 8 PM Local

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

Directions to BARC Clubhouse and Comm Center

Rooms 1 & 3 Lower Level 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.



Little Miami River Cleanup and Festival

Every year, BARC provides communication assistance to the Little Miami Watershed Network (LMWN) river clean-up event. The LMWN River Clean-Up event is a public service event that is held on **Saturday, June 29, 2024**. The activities begin at 8:00 am and end at 1:00 pm.

In short, LMWN volunteers canoe down the river and remove trash and debris for disposal. BARC members are posted at specific land locations along the river at the canoe put-in and takeout locations. Our purpose is to communicate the needs of the volunteers.

I need 10 volunteers to manage this event. We need members for Net Control, Station Assignments, and the Display Canopy. If you would like to volunteer for this event, please let me know by June 8th. New members can shadow veterans to learn how this event is managed.

This year, after the river clean-up activities, there will be a festival at Bellbrook Park in downtown Bellbrook. There will be music and food. All are welcome.

Darryl Fowler, [KD8JQE](#)

{Editor — See the article on [page 20](#) for more info.}

Area Repeaters Carrying N8NQH Talkgroup 310557 Full Time

There are three additional DMR repeaters in the local area that carry N8NQH's talkgroup 310557 permanently, at least for now. Permanent groups are referred to as "static" talkgroups in DMR lingo. A static group can be monitored all the time for any activity at all. Dynamic talkgroups on the other hand, are accessed by "kerchunking" the DMR repeater briefly with that talkgroup. This will activate that talkgroup for 15 minutes, then deactivate automatically if you haven't transmitted.

The three repeaters now carrying TG 310557 are in Springfield, Greenville, and Piqua. Here are the parameters to program into your DMR radio to use these repeaters to access talkgroup 310557 and the other static talkgroups they have registered with Brandmeister.

Springfield, OH (KC8NYH)

442.5125+ CC1

Static Talk Groups:

TS 1: 310557 (N8NQH local)

TS 2: 313915 (KC8NYH local)

TS 2: 31394 (SW OH)

TS 2: 3139 (OH)

Piqua, OH (N8BCM)

444.4625+ CC1

Static Talk Groups:

TS 1: 3139 (OH)

TS1: 31399 (Ohio-Link-YSF)

TS 2: 310557 (N8NQH local)

TS2: 310870 (N8BCM local)

Greenville, OH (W8FLH)

443.6875+ CC1

Static Talk Groups:

TS 1: 310557 (N8NQH local)

TS 1: 3139 (OH)

TS 2: 310746 (W8FLH local)



What's Up BARC? (continued)

Air Force Marathon Needs A Lot Of Ham Volunteers!

Registration is now open for the USAF Marathon (Saturday, Sept. 21, 2024)

Go to: <https://raceroster.com/events/2024/80803/2024-air-force-marathon-volunteer-registration>

Click on REGISTER

Enter your Email and Password, create a new account if you do not already have one.

(Be sure that there are no errors in the email address!)

Click on the pulldown arrow of Volunteer With Us!

Select "Volunteer on Saturday..."

fill out the personal information

Be sure to enter your callsign in the space provided.

Under "Amateur Radio Operator - 9/21" click the little circular button Check Add to order Select t-shirt size Click on CONTINUE (if you left a required field empty, you will receive an error message of some sort; fix it and CONTINUE)

You should receive a confirmation in a few minutes. If not, check Junk Mail, etc. If still nothing, let us know.

Send a message to AFM.Hams@gmail.com and report that you have registered. If you have questions, include them in the message body. Be sure to include your callsign. Also, at some point, you will need to submit your Driver's License number so that the Air Force can perform a security check. You may submit it at this time. If you are licensed in a state other than Ohio, please indicate.

Bob Baker N8ADO, Volunteer Lead for Amateur Radio support to the Air Force Marathon.

Welcome New BARC Members!

Will Chamberlain, KF8BDK, General

Walt Spaulding, KF8BET, Technician

Congratulations on Upgrading Your Amateur License!

Connie Gifford, KE8ZNT, General

Ruth Macon, KE8ZNU, General

Greg Yingling, KE8YMA, General



What's Up BARC? (continued)

1130 DMR Net—Monday through Friday 1130AM on DMR Talkgroup 310557

If you haven't joined us for the 1130 DMR Net, please give it a try!

The **1130 DMR Net** is a very informal net with rotating net control, currently it's been John **W8LRJ**, Ray **N8VMX**, Jim **WA8HUB**, 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 Procuniar, N8NQH's, East repeater in Bellbrook or 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 website](#). If you need technical help, please contact [W8LRJ](#), [N8NQH](#), [KB8EMD](#) or [N8VMX](#) for assistance, we'd be glad to help.

Build-A-Hotspot

Just a quick update on the "Build-A-Hotspot" project that appeared in the [April Full Quieting](#). There's a Tech Night (or Tech Nights) coming up in August to cover this. Because of the different needs of the hotspot builders, I decided to break this into separate sessions. The first session is to assemble the hotspot hardware from the options in the April Full Quieting. The second session would be to build up the Pi-star software and configure the hotspots. In a third session, we will build up and configure WPSD hotspots. FYI, WPSD is a new software package based initially on Pi-star but incorporating many new features and improvements. Since WPSD came out, Pi-star has released a new version and remains a suitable option for many. Either one will leave you with a totally functional hotspot. The session and third sessions would also be helpful to those of you who already have hotspots but need help configuring them.

The dates for these sessions aren't set up yet, but they will occur in August. Stay tuned. Also, if you have any preference for a longer second session covering both Pi-star and WPSD rather than two shorter sessions (#2 and #3) covering each, please let me know at n8vmx@bellbrookarc.org

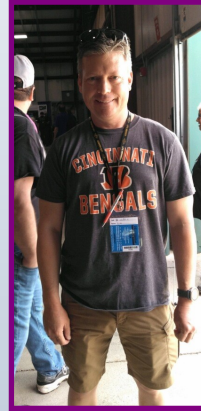
The Naked Truth

This is Jim N8KET, and my call sign is on my license plate. My granddaughter was driving my Honda Fit this week, and she stopped at a red light. A car pulled up next to her, the driver rolled down the window, she and said to her, "Hey, love your license plate. Why did you choose a plate that said 'naked'?" Oh my, what have I done? Will people try to look inside the car to see if it's true? 😊



BARC Members and Friends at 2024 Dayton Hamvention

I have received many photos from BARC members and friends who were wandering about the Greene County Fairgrounds during the Dayton Hamvention. Here are a few of the many great pictures I received. Thanks to all of you and I hope you all had a great time — Editor



BARC Members and Friends at 2024 Dayton Hamvention (continued)



BARC Members and Friends at 2024 Dayton Hamvention (continued)



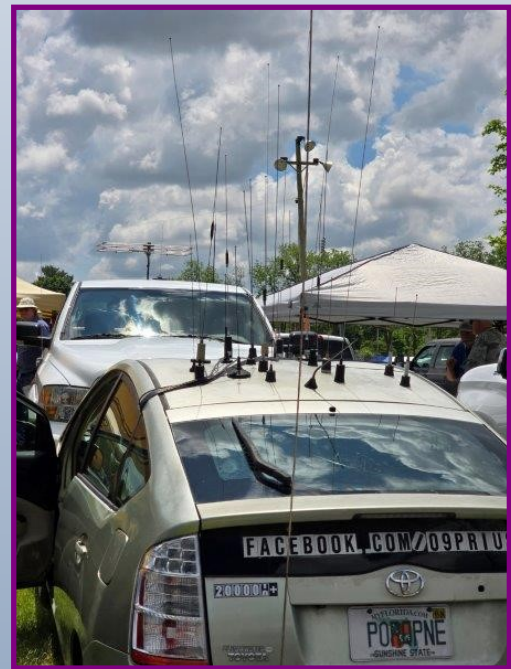
BARC Members and Friends at 2024 Dayton Hamvention (continued)



BARC Members and Friends at 2024 Dayton Hamvention (continued)



BARC Members and Friends at 2024 Dayton Hamvention (continued)



BARC Members and Friends at 2024 Dayton Hamvention (continued)



BARC Members and Friends at 2024 Dayton Hamvention (continued)



BARC Members and Friends at 2024 Dayton Hamvention (continued)



Officer, Director, and Coordinator Inputs

Treasurer: John Westerkamp, [W8LRJ](#): We added some new members during May and made over \$1000 for the club at Hamvention so a very good month! We had expenses for a new sign for Field Day and for the coax crimp Tech Night as well as our usual Spectrum Internet payment.

We continue to be in great financial shape.

Repeater: John Westerkamp, [W8LRJ](#): 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](#): Field Day is coming soon! We need lots of help and especially need some younger people to help with lifting and antenna set up. It is a lot of fun seeing how things go together and breakfast is delicious. You can sign-up to volunteer for various activities on the website under *Programs...Field Day*. There is also a list of Committee Chairpersons and copies of the Planning Meeting presentations there for your information.

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

Communication Center: John Westerkamp, [W8LRJ](#): Several members made a trip to the rooftop and inspected the multi-band dipole antennas, especially the pull ropes which are in bad condition. It turns out that one of the dipole ropes had already snapped and the antenna had fallen. We hope to get a repair crew up on the rooftop sometime soon before the other dipole comes down. We may need to do some antenna wire repair, too, as it looks like at least one wire broke away from the balun.

Future plans include updating all the grounding and bonding to move the lightning arrestors outdoors, adding some ground rods, and bonding everything together with the electrical service ground. Stay tuned!

Secretary: Jim Gifford, [N8KET](#): As secretary I attended and took notes at the planning meeting and took minutes at the general membership meeting. Some of you may wonder why your secretary sprinted from the May general membership meeting without saying anything to any of you. Connie was working in the radio room at Hamvention and called me at the end of the meeting and said workers were released early. So, yours truly hurried out to the fairgrounds to pick up his lovely wife.

I also talked to the National Park Service about the possibility of using one of the area parks for the special event station in December. I am still checking, because they are short-staffed.

BARC Net Manager: Paul Sharp, [WS8R](#): Every Sunday at 8:00 PM you can listen to and participate in the exciting BARC Net, on 147.045. For the 4 weeks in May 2024 there were approximately 81 check-ins lasting 178 exciting and informative minutes. Topics ranges from Open Mike, Parks on the Air, what did you do and buy at Hamvention, the Northern Lights, what are your plans for Memorial Day, and tell us about any exciting contacts you made. We often have non BARC members checking in to enjoy the Net.

Our faithful Net Controllers are, Larry Darner, KD8RER, Joe Menchaca KE8UUQ, Tink Siwecki KD8NUA, Paul Sharp WS8R, and John Westerkamp W8LRJ. Jim Dean, W8UD, is an alternate.



BARC June 2024 Event Calendar

Sun Jun 2, 2024

8pm Weekly Net

Where: 147.045+ (118.8 Hz tone)

Tue Jun 4, 2024

6:30pm POTA SIG Meeting

Where: BARC Clubhouse

Thu Jun 6, 2024

7pm Planning Meeting

Where: BARC Clubhouse

Sat Jun 8, 2024

9am Field Day Planning Meeting #4

Where: BARC Clubhouse

Sun Jun 9, 2024

8pm Weekly Net

Where: 147.045+ (118.8 Hz tone)

Tue Jun 11, 2024

11:15am Lunch Bunch

Where: First Watch

Sun Jun 16, 2024

8pm Weekly Net

Where: 147.045+ (118.8 Hz tone)

Thu Jun 20, 2024

7pm Membership Meeting

Where: BARC Clubhouse

Sat Jun 22, 2024

All day BARC Field Day

Sackett-Wright Park, Ohio 725, Sugarcreek, OH

Sun Jun 23, 2024

All day BARC Field Day

Sackett-Wright Park, Ohio 725, Sugarcreek, OH

8pm Weekly Net

Where: 147.045+ (118.8 Hz tone)

Tue Jun 25, 2024

11:15am Lunch Bunch

Where: Submarine House

Wed Jun 26, 2024

7pm Tech Night

Where: BARC Clubhouse

Thu Jun 27, 2024

7pm Dessert & Movie Night

Where: BARC Clubhouse

Sat Jun 29, 2024

8:30am—1pm LMWN Clean-Up Day

Where: Little Miami River

Sun Jun 30, 2024

8pm Weekly Net

Where: 147.045+ (118.8 Hz tone)



BARC Movie and Dessert Night

Wow! We watched **Mission Impossible: Dead Reckoning Part One** at the May **BARC Movie and Dessert Night** and it didn't disappoint. We're all looking forward to part two (theater release 2025). It was impossible to choose just one dessert so we had three!

Next up on June 27th we will be watching *The Call of the Wild* (Harrison Ford version) with *Father Goose* (a fun Classic with Cary Grant) and *The Lost City* (fun romantic comedy with Sandra Bullock) coming up later in the year.

We now have a full roster of movies with *Ghost Busters: Afterlife* finishing off the **2024 BARC Dessert & Movie Night** in October.

Upcoming Dates for Our 2024 BARC Movie & Dessert Nights:

- ✓ June 27, 2024 **The Call of the Wild**
- ✓ July 25, 2024 **Father Goose**
- ✓ August 22, 2024 **The Lost City**
- ✓ September 26, 2024 **The Meg II: The Trench**
- ✓ October 24, 2024 **Ghost Busters: Afterlife**



Past movies and desserts:

- ✓ January 25, 2024 **The Adventures in Baby Sitting**
- ✓ February 22, 2024 **Murder on the Orient Express**
- ✓ ~~March 28, 2024~~ ~~**Paul, Apostle of Christ**~~ (Cancelled due to scheduling conflict)
- ✓ April 25, 2024 **The Meg**
- ✓ May 23, 2024 **Mission Impossible: Dead Reckoning Part One**

All movie nights are held on the fourth Thursday of each month January through October at 7:00 PM in the BARC Clubhouse. We take November and December off for the holidays. At each movie night we pop up *fresh* BARC's famous popcorn!

We'll see you in June at the Movies!

Tink/KD8NUA



Lunch Bunch

Jim Totten, [WA8HUB](#)

Hello my fellow lunch lovers. June 2024 is here. And time to renew our lunch meetings for this new year. To recap: Our club meetings are on Thursdays. The Planning meeting is the first Thursday of the month and the General meeting on the third Thursday. Our lunch schedule is the second and fourth Tuesday of each month. If a scheduled Tuesday gets slammed by some unforeseen event the lunch is just cancelled. The invitation messages will go out Wednesday or Thursday of the previous week.



Now, how will the lunches be selected? Accompanying this information page is the same chart in last month's *Full Quieting* listing our current set of restaurants. The June restaurants are highlighted. I updated all of the dates for 2024. 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.

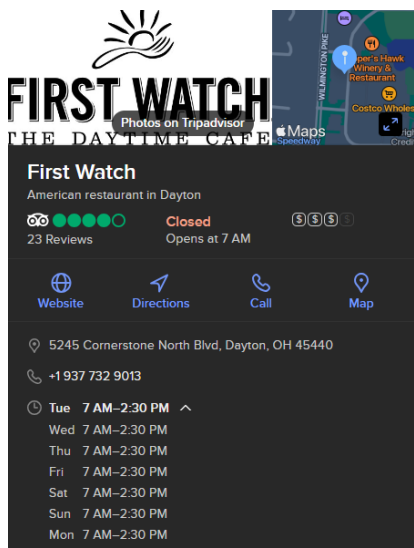
May was a much different month than usual. May had the Hamvention. Many of our club members were part of the 700+ volunteers running the event. So we only had one lunch in May scheduled on the 28th {*editor: actually occurred on the 21st because of an error! N8VMX mentioned the wrong date to Jim!*} That lunch was at the China Garden Buffet. We had a great meal there.

June is going to be an outstanding month. We will have two meals and they will be winners. First on June 11th comes the First Watch restaurant in the Cornerstone complex. Then on June 25th we will attack the Submarine House in Beavercreek. There are several Submarine Houses in the area but this is the best. It is bracketed by Marion's Piazza and Kroger.

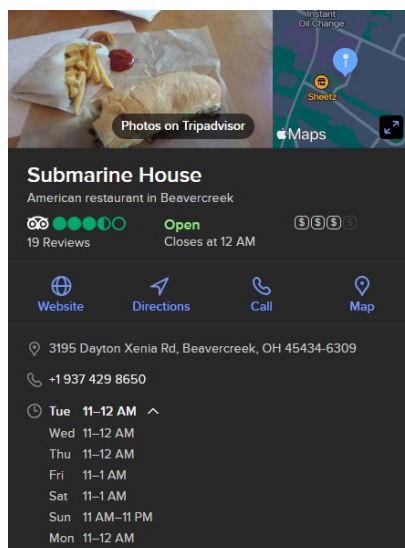
That's a wrap for this month. Happy eating.

73, Jim, [WA8HUB](#)

Tuesday, June 11, 11:15am



Tuesday, June 25, 11:15am



Lunch Bunch 2024 List

Jim Totten, [WA8HUB](#)

Date	Restaurant	Address	City	Phone Number
4/9/24	Cherry House Cafe	1241 Meadowbridge Dr.	Beavercreek, OH 45434	(937) 320-6200
4/23/24	Another Broken Egg Cafe 7:00 am to 2:00 pm	2453 Esquire Dr.	Beavercreek, OH 45431	(937) 912-5074
5/21/24	China Garden Buffet	112 Woodman Dr. Airway Shopping Center	Dayton, OH 45431	(937) 781-9999
6/11/24	First Watch 7:00 am to 2:30 pm	5245 Cornerstone North Blvd	Sugarcreek Twp, OH 45440	(937) 732-9013
6/25/24	Submarine House	3195 Dayton-Xenia Rd.	Beavercreek, OH 45434	(937) 429-8650
7/9/24	Roosters Wings	2430 N. Fairfield <i>The Shoppes at FC</i>	Beavercreek, OH 45431	(937) 702-9500
7/23/24	Golden Corral Buffet and Grill	2490 Commons Blvd.	Beavercreek, OH 45431	(937) 613-5478
8/13/24	Yaffa Grill Mediterranean Food	2844 Colonel Glenn Hwy	Fairborn, OH 45324	(937) 429-4959
08/27/24	Chic-Fil-A	5301 Cornerstone N Blvd,	Sugarcreek Township, OH 45440	(937) 439-1700
09/10/24	Culp's Cafeteria	1000 Carillon Blvd	Dayton, OH 45409	(937) 293-2841
09/24/24	City Barbecue	2001 E. Dorothy Lane	Kettering, OH 45420	(937) 200-1006
10/08/24	Marion's Piazza	1320 N Fairfield Rd.	Beavercreek, OH 45432	(937) 429-3393
10/22/24	Red Robin	2671 Fairfield Commons Blvd.	Beavercreek, OH 45431	(937) 320-9800
11/12/24	Beavercreek Pizza Dive	4021 Dayton-Xenia Rd.	Beavercreek, OH 45432	(937) 431-8669



Little Miami River Clean Sweep

Darryl Fowler, [KD8JQE](#)



LMWN Clean Sweep, Saturday, June 29, 2024

Little Miami Watershed Network (LMWN), an Ohio non-profit volunteer organization, is working to protect and preserve the Little Miami River. The clean-up activity is an annual volunteer event focused on removing trash and restoring the health of the river.

The clean-up efforts enhance the quality of life along the waterways. It promotes the protection of, stimulating the public interest in, and encouraging the preservation of the watercourse.

This river cleanup is about much more than collecting trash. It is a day for communities to show their desire for clean water and healthy rivers.

Many partners like BARC work together to coordinate this cleanup, which is attended by hundreds of wonderful volunteers.

Saturday, June 29 from 8:30 am to noon, volunteers will hit the Little Miami River and its banks in southwestern Ohio for a huge cleanup effort. The cleanup begins at Mill Creek Canoe Launch and ends at Corwin in Warren County. It is a great excuse to get outside and perform a public service.

How does it work?

Organizers divide the Little Miami River in Greene County into ten sections of approximately the same lengths. These sections provide easy public access to designated “meeting,” “put-in,” and “takeout” locations. Each section will have a few canoes and volunteers. The size of the groups of volunteers for each branch enables them to stay together and avoid overcrowding along that stretch of the waterway. About 171 people typically takes part along the river segments. Some cleaned from canoes while others walked the banks of the river.



The LMWN depends on BARC to help their volunteers to have a safe trip and to recover various things from the waterway. Since 2010, the LMWN have removed over 28,000 pounds of trash and over 1,000 tires from the Greene County stretch of the Little Miami River. Every year, it is also a treasure hunt of sorts as volunteers compete to find the strangest pieces of trash. They removed everything from Styrofoam fragments from coolers that have fallen apart, plastic water bottles, flip-flops, and beer cans. Incredibly, volunteers have recovered larger items such as tires, light poles, and washing machines.



Little Miami River Clean Sweep (continued)

How Are BARC Volunteers Involved?

BARC volunteers receive assignments for station locations along the designated input and takeout segments along the river. We do not assign our BARC members to canoes. They do not walk on the riverbanks or go into the water. Once assigned, there are no switching launch locations and takeout locations.

Our tasks include monitoring the number of canoes that go in and out of the river. Also, you verify the number of volunteers assigned to the groups and notify net control when each group arrives at the takeout locations.

Upon Completion of the Event

After the cleanup, there will be an Appreciation Picnic for all volunteers in the afternoon. Be sure to come and enjoy food, beverages, and music. The picnic is at Bellbrook Park, in downtown Bellbrook. Plenty of street parking is available along North Main Street, Franklin Street, East Walnut Street and N East Street. There are a few picnic tables in the park, so bring your own folding chairs.

73 de Darryl [KD8JQE](#)



Answers to Amateur Radio Test Questions on [pages 29-31](#)

Technician	General	Amateur Extra
T1A06 (D) [97.3(a)(9)]	G5A02 (B)	E1D06 (A) [97.215(c)]
T1B06 (B) [97.301(e), 97.305]	G7C06 (A)	E1A01 (A) [97.305, 97.307(b)]
T3C07 (B)	G4B04 (D)	E3A02 (B)
TOB07 (C)	G2A01 (A)	E2C07 (A)



Faraday Cloth Corner Anchors

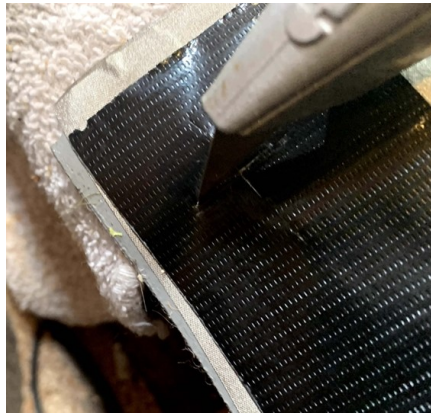
Jim Gifford, [N8KET](#)

Some of you use a Faraday blanket as a grounding counterpoise for a vertical antenna while activating a park on Parks on the Air (POTA).

Michael Martens KB9VBR identified who Faraday, as in Faraday cage, was in a recent article on using the cloth for POTA: "Michael Faraday was a 19th century scientist dabbling in electricity and electromagnetism. He discovered that static electricity resided only on the exterior of a charged conductor and had no influence on the interior of the conductor. This shielding effect led to the invention of the Faraday cage, a metal screened structure that blocks electromagnetic radiation and radio frequency radiation."

One of the problems in using the cloth is the minimal weight of the material and the tendency for it to flip up in the wind. Allow me to offer a possible solution.

As you will note in the photos, I placed heavy black Gorilla-brand tape along the edges of the material. I added the tape because the material is known to fray at the edges. On each of the corners I taped both sides for strength. After applying the tape I used a razor knife and made a crossed ½ inch cut at each corner just wide enough to allow the male grommet piece to pass through the material.



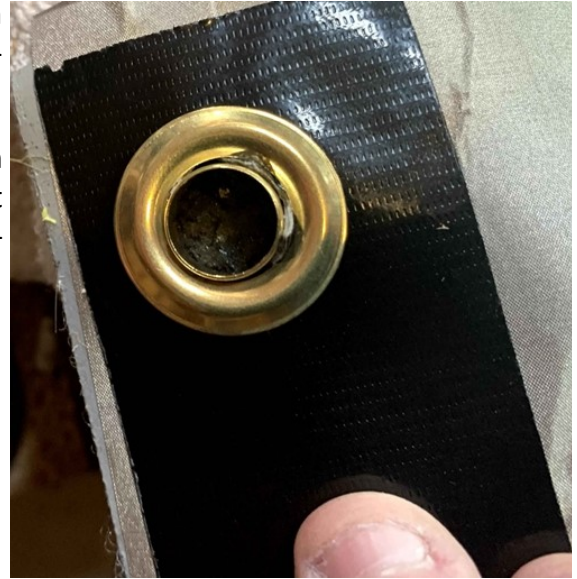
Below is what the grommet looks like. They may be found at most home improvement stores. I had these in my storage bin in the garage already.



Faraday Cloth Corner Anchors (continued)

Next I inserted the male portion of the grommet through the cut material and laid the female portion over the extended brass (left).

I had a large punch in my tool chest. They make a punch just for these grommets, and I have one somewhere, but could not find it, so I improvised. A smaller ball-peen hammer using the rounded edge will work equally as well.



To secure the pieces together permanently, tap on the extended male portion to force the edges out and down around the female brass. I set this up using a small anvil as the base.



Faraday Cloth Corner Anchors (continued)

Following is the finished grommet. You can clean up any edges with a small hammer. I used a jeweler's hammer.



I bought four tent stakes at Menards to use onsite at a POTA to hold down the cloth. I believe the stakes were about a dollar each. Or, you can just pick up rocks and set on the corners. Michael Martens, who I quoted above, had a photo where he used snow to anchor the cloth in his cold, snowy state of Minnesota.

73 de Jim [N8KET](#)



Special Event Stations

Paul Sharp, [WS8R](#)

Here are 2 links you can follow to find many SES that suit your varied interests. 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. Once again, something for everyone! This month there are SES for: Audie Murphy, WWII D-Day, numerous ship weekend events, ragtime festival, donut festivals for the hungry, streets of coal (no pot holes), cave exploration, and many field day events. Such a deal, all for the price of yearly dues!

06/01/2024 | Audie Murphy, Jun 1, 1400Z-2000Z, W2A, Christiansburg, VA. New River Valley Amateur Radio Club. 14.240. QSL. Danny Wylam, 710 McDaniel Dr., Christiansburg, VA 24073-3848. Commemorating Audie Murphy, America's most decorated soldier from WW2. dannywylam@gmail.com

06/01/2024 | Fox River Radio League 100th Anniversary. Jun 1-Jun 15, 0000Z-2359Z, W9CEQ, Batavia, IL. Fox River Radio League. 14.260 14.035 7.260 7.035. Certificate & QSL. FRRL - K9MMS, PO Box 673, Batavia, IL 60510. www.frll.org

06/01/2024 | GB80 D-Day - WWII D-Day 80th Anniversary,. Jun 1-Jun 28, 0000Z-2359Z, GB80DDAY, Berkshire, ENGLAND. Newbury and District Amateur Radio Society. All bands; all modes. QSL. See website for, QSL, information, ENGLAND. Operating from the Control Tower each Saturday, and Thursday June 6; remote other times. Other activities will occur throughout the event at the Control Tower. www.nadars.org.uk

06/01/2024 | Museum Ships Weekend - Nuclear Ship Savannah. Jun 1-Jun 2, 1300Z-2100Z, K3SAV, Baltimore, MD. Nuclear Ship Savannah ARC. 7.1 14.1 21.1 28.1. QSL. K3LU, 980 PATUXENT ROAD, Odenton, MD 21113. Single transmitter SSB and CW aboard N/S Savannah. Please check spotting networks for frequencies. Info on QRZ.com www.qrz.com/db/k3sav

06/01/2024 | Museum Ships Weekend Event - USS Midway Museum Ship. Jun 1-Jun 2, 0001Z-2359Z, NI6IW, San Diego, CA. . 7.250 14.320 14.070 PSK31 DSTAR. QSL. USS Midway Museum Ship COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101. www.qrz.com/db/ni6iw

06/01/2024 | Museum Ships Weekend Event - Battle Ship New Jersey Amateur Radio Station. Jun 1-Jun 2, 0001Z-2359Z, NJ2BB, Camden, NJ. 7272 14262 7044 14044. QSL. Margaret Burgess, 150 Schooner Avenue, Barnegat, NJ 08005. nj2bb.org



Special Event Stations (continued)

06/01/2024 | Museum Ships Weekend Event - USS Tennessee, Jun 1-Jun 2, 0000Z-0359Z, W4BSF, Oneida, TN. Big South Fork Amateur Radio Club and the USS Tennessee Battleship Museum. 40 20 15 and 10 meters. QSL. W4BSF USS TN BB43, P.O. Box 5029, Oneida, TN 37841. Please check spotting networks. QSL with SASE by July 15, 2024. bsfarc.org/museum-ship-weekend-2024.

06/01/2024 | National Museum of the Great Lakes Museum Ships Weekend Event, Jun 1-Jun 2, 1400Z-1830Z, K8E, Toledo, OH. Toledo Mobile Radio Association W8HHF. 14.260 14.239 7.260 7.039. QSL. Col. James M. Schoonmaker, P.O. Box 9673, Toledo, OH 43697. www.qrz.com/db/K8E or www.w8hhf.org

06/01/2024 | NB9QV USS Cobia Special Event. Jun 1-Jun 2, 1400Z-2000Z, NB9QV, Manitowoc, WI. NB9QV Cobia Club. 7.240 14.240. Certificate. See website, for information on receiving, certificate. An Electronic Certificate will be available. Please send your call sign, name, band, date and UTC time of contact to kc9yl@arrl.net to receive your PDF certificate via email. <https://www.qrz.com/db/NB9QV>

06/01/2024 | Scott Joplin Ragtime Festival. Jun 1, 0900Z-1000Z, W0R / WA0SDO, Sedalia, MO. Sedalia Pettis Amateur Radio Klub. 14.250 7.180. Certificate. Bret Kuhns, 1880 Quisenberry Rd, Sedalia, Sedalia, MO 65301-0445. We Will be operating on site at the Scott Joplin Ragtime Music Festival. www.wa0sdo.org

06/01/2024 | W2D D-Day Commemoration. Jun 1-Jun 14, 1300Z-2200Z, W2D, Hunt Valley, MD. Amateur Radio Club of the National Electronics Museum (ARCNEM). 14.244 14.044 7.244 7.044. Certificate & QSL. K3NY, 108 Brent, Arnold, MD 21012. Amateur Radio Club of the National Electronics Museum (ARCNEM) will operate W2D in commemoration of the anniversary of D-Day and the role of electronics in WWII. Primary operation will be June 1-June 6 with additional operation possible during June 7-14 as operator availability permits. Operation on 80M (3.544, 3.844), additional bands and digital modes possible during event. Frequencies +/- according to QRM. QSL and Certificate available via SASE; details at ww-2.us

06/04/2024 | Midway island June 4 - 7, 1942/Sinking of USS Yorktown (CV-5). Jun 4-Jun 7, 1200Z-1200Z, W2Z, North Charleston, SC. Charleston Amateur Radio Society. 7.281 14.281. QSL. K4KOA, 14 Camoground Rd., Yemassee, SC 29945. Special Event Station W2Z will be on the hanger deck of the USS Yorktown (CV-10) at the commemoration display for the CV-5 on June 7, 2024. Patriots Point, Charleston Harbor. k4koa@arrl.com or www.wa4usn.org

06/06/2024 | 80th Anniversary Commemoration of D-Day. Jun 6, 1500Z-2000Z, W2W, Cottage Grove, MN. South East Metro Amateur Radio Club. 7.040 14.040; SSB General portion of 40 and 20 meters. QSL. Brian McInerney, 2523 Cochrane Drive, Saint Paul, MN 55125. Commemorative QSL with SASE to NOBM. semarc.org



Special Event Stations (continued)

06/07/2024 | Greater Gardner Relay For Life. Jun 7-Jun 8, 1800Z-1300Z, N1C, Gardner, MA. Mohawk Amateur Radio Club . 14.227 7.227 3.927. QSL. Kevin Erickson, 194 Conant St, Gardner, MA 01440. Special event station recognizing the Greater Gardner Relay for Life event and raising awareness of the American Cancer Society and their quest to cure cancer.

06/07/2024 | Mid-Atlantic Air Museum's WWII Weekend. Jun 7-Jun 9, 1300Z-1900Z, W3R, Reading, PA. Historical Military Impressions. 3.885 7.270. QSL. Garret Scott - W3R, 10236 Birch Hill Lane, Knoxville, TN 37932. AM or CW modes only. Frequencies may change - see <http://w8bug.com/w3r/> for updates. Equipment will be WWII equipment, SCR-499 and SCR-284 06/07/2024 |

06/07/2024 | Salvation Army Donut Day. Jun 7, 1500Z-2200Z, KOSAL, Lincoln, NE. Salvation Army Team Emergency Radio Network. 7.265 14.265. Certificate & QSL. Chuck Bennett, KD0PTK, P.O. Box 67181, Lincoln, NE 68506. Please include SASE. kd0ptk@gmail.com KD0PTK, P.O. Box 67181, Lincoln, NE 68506.

06/08/2024 | 80th Anniversary Commemoration of the D-Day Landings - Operation Overlord. Jun 8 -Jun 9, 0630Z-2200Z, various*, Totnes, UNITED KINGDOM. Torbay Amateur Radio Society. 3.744 7.144 14.144 28.344. Certificate. E-qsl to individual, SES call signs, as referenced, UNITED KINGDOM. Note: SES call signs will be listed before event. www.torbayars.org

06/08/2024 | Appleton Flag Day Parade. Jun 8, 1830Z-2030Z, W9ZL, Fremont, WI. Fox Cities Amateur Radio Club. 14.246. Certificate. FCARC , PO Box 2346, Appleton, WI 54912. fcarc.club

06/08/2024 | Waco Village 175th Anniversary W5V. Jun 8-Jun 22, 1400Z-2300Z, W5V, Waco, TX. Heart Of Texas DX Society. 28.437 MHz. Certificate & QSL. Larry Merritt, 3200 Colcord Ave., Waco, TX 76707-1814. Will be operating in the General Class part of the phone bands 40M, 20M, 15M, and 10M. To receive an 8.5x11 inch SES certificate or a SES QSL card, (No SASE) is required. Simply send your QSL card with two (2) first-class stamps for a certificate and SES QSL card or your QSL card with one (1) first-class stamp for the SES QSL card only. w5dxs.tripod.com

06/09/2024 | Honoring Pioneer Women at Fort Laramie, Wyoming. Jun 9-Jun 10, 1400Z-2300Z, W7WYO, Torrington, WY. High Plains Amateur Radion Club. 28.400 21.375 14.275 7.250. Certificate & QSL. Lee Milner, K7WY, 123 Arrowhead Road, Torrington, WY 82240. We are honoring the pioneer women that traveled on the Oregon Trail between 1840 and 1890. June 10, 2024 is the 172 anniversary of the death of Mary Homsley a pioneer woman who died of Measles on June 10, 1852 and is buried near Fort Laramie, Wyoming. We will be operating from Fort Laramie National Historic Site which is a National Park. arrowhead273@gmail.com

06/12/2024 | Maryland Fleet Week. Jun 12-Jun 18, 1300Z-2100Z, K3S, Baltimore, MD. Nuclear Ship Savannah ARC. 7.1 14.1 21.1 28.1. QSL. K3LU, 980 PATUXENT ROAD, Odenton, MD 21113. Single transmitter SSB and CW aboard N/S Savannah. Please check spotting networks for frequencies. Info on QRZ.com. www.qrz.com/db/k3s



Special Event Stations (continued)

06/15/2024 | Audie Murphy's 99th birthday celebration. Jun 15-Jun 23, 0000Z-2359Z, W5M, Greenville, TX. Sabine Valley Amateur Radio Association. 7.235 14.280 21.400 28.450. QSL. K5GVL Sabine Valley Amateur Radio Association, PO Box 843, Greenville, TX 75403-0843. Celebrating the life of Audie Murphy, Hunt County Texas' war hero and Congressional Medal of Honor recipient. We will be operating CW, FT8, SSB from locations around the county and from the Audie Murphy American Cotton Museum grounds. <https://k5gvl.com/audie-murphy>

06/15/2024 | Streets of Coal. Jun 15, 1400Z-2100Z, W8MOP, Bluefield, WV. East River Amateur Radio Club. 14.250 7.220. QSL. East River Amateur Radio Club, PO Box 1362, Bluefield, WV 24701. www.erarc.com

06/22/2024 | ARRL Field Day 2024. Jun 22-Jun 23, 1800Z-2059Z, W4ZBB, Fort Walton Beach, FL. Playground Amateur Radio Club. 14.325 28.305 21.250 7.225. QSL. Playground Amateur Radio Club, 17A First ST SE, Fort Walton Beach, FL 32548. parcfwb@gmail.com or w4zbb.org

06/23/2024 | Field Day 2024. Jun 23-Jun 24, 1800Z-1959Z, N6R, Thousand Oaks, CA. Ventura County Amateur Radio Society (VCARS) & joined by Simi Settlers ARC (SSARC). 21.320 14.255 7.260 3.810. QSL. Peter Heins, 1559 Norwich Ave., Thousand Oaks, CA 91360. Special Events Station, N6R: Phonetically "Nancy" (Reagan); "6" (th Call Area); R "Ronald" (Reagan) will operate Field Day 2024 from the Grounds of the Ronald Reagan Presidential Library & Museum, Simi Valley, CA. For more than 20 years, the Ventura Co. Amateur Radio Society (VCARS) has been joined by Simi Settlers Amateur Radio Club (SSARC) for this event. Most bands between 160 meters through 23 cm will be activated. Please check the N6R listing at QRZ.com for additional details. www.vcars.org

06/23/2024 | Field Day 2024. Jun 23-Jun 24, 1800Z-1959Z, N6R, Thousand Oaks, CA. Ventura County Amateur Radio Society (VCARS) & joined by Simi Settlers ARC (SSARC). 21.320 14.255 7.260 3.810. QSL. Peter Heins, 1559 Norwich Ave., Thousand Oaks, CA 91360. <http://www.vcars.org>

06/29/2024 | 83d Annual National Speleological Society (NSS) Convention. Jun 29-Jul 6, 1700Z-2200Z, N4V, Sewanee, TN. National Speleological Society K7NSS. 7.050 7.195 14.050 14.285. QSL. Sam Rowe KG9NG, 2749 Commercial Ave, Madison, WI 53704. N4V@NSSCES.ORG

07/01/2024 | Trail to Eagle. Jul 1-Jul 5, 0100Z-0400Z, K2BSA/8, Metamora, MI. Garden City Amateur Radio Club (GCARC) Boy Scouts of America/Michigan Crossroads Council . 14.330 7.270 3.840. QSL. GCARC, P.O. Box 482, Garden City, MI 48136-0482. We will be teaching the Radio merit badge to interested scouters during the week. Part of their requirement is to have a QSO with an on air operator. We will monitor the frequencies as often as available. <https://scoutingevent.com/272-TTE2024>



Amateur License Test Questions

In honor of our Amateur Radio Training classes, here are some questions pulled from the Technician, General, and Extra question pools. Try to answer them and see how you did. **Answers are on [page 21](#).**

Technician

T1A06 [97.3(a)(9)]

What is the FCC Part 97 definition of a beacon?

- A. A government transmitter marking the amateur radio band edges
- B. A bulletin sent by the FCC to announce a national emergency
- C. A continuous transmission of weather information authorized in the amateur bands by the National Weather Service
- D. An amateur station transmitting communications for the purposes of observing propagation or related experimental activities

T1B06 [97.301(e), 97.305]

On which HF bands does a Technician class operator have phone privileges?

- A. None
- B. 10 meter band only
- C. 80 meter, 40 meter, 15 meter, and 10 meter bands
- D. 30 meter band only

T3C07

What band is best suited for communicating via meteor scatter?

- A. 33 centimeters
- B. 6 meters
- C. 2 meters
- D. 70 centimeters

T0B07

Which of the following is an important safety rule to remember when using a crank-up tower?

- A. This type of tower must never be painted
- B. This type of tower must never be grounded
- C. This type of tower must not be climbed unless it is retracted, or mechanical safety locking devices have been installed
- D. All these choices are correct



Amateur License Test Questions (continued)

General

G5A02

What is reactance?

- A. Opposition to the flow of direct current caused by resistance
- B. Opposition to the flow of alternating current caused by capacitance or inductance
- C. Reinforcement of the flow of direct current caused by resistance
- D. Reinforcement of the flow of alternating current caused by capacitance or inductance

G7C06

Which of the following is an advantage of a digital signal processing (DSP) filter compared to an analog filter?

- A. A wide range of filter bandwidths and shapes can be created
- B. Fewer digital components are required
- C. Mixing products are greatly reduced
- D. The DSP filter is much more effective at VHF frequencies

G4B04

What signal source is connected to the vertical input of an oscilloscope when checking the RF envelope pattern of a transmitted signal?

- A. The local oscillator of the transmitter
- B. An external RF oscillator
- C. The transmitter balanced mixer output
- D. The attenuated RF output of the transmitter

G2A01

Which mode is most commonly used for voice communications on frequencies of 14 MHz or higher?

- A. Upper sideband
- B. Lower sideband
- C. Suppressed sideband
- D. Double sideband



Amateur License Test Questions (continued)

Amateur Extra

E1D06 [97.215(c)]

What is the maximum permitted transmitter output power when operating a model craft by tel-ecommand?

- A. 1 watt
- B. 2 watts
- C. 5 watts
- D. 100 watts
- D. Steel-core toroids

E1A01 [97.305, 97.307(b)]

Which of the following carrier frequencies is illegal for LSB AFSK emissions on the 17 meter band RTTY and data segment of 18.068 to 18.110 MHz?

- A. 18.068 MHz
- B. 18.100 MHz
- C. 18.107 MHz
- D. 18.110 MHz

E3A02

What characterizes libration fading of an EME signal?

- A. A slow change in the pitch of the CW signal
- B. A fluttery irregular fading
- C. A gradual loss of signal as the sun rises
- D. The returning echo is several hertz lower in frequency than the transmitted signal

E2C07

What is the Cabrillo format?

- A. A standard for submission of electronic contest logs
- B. A method of exchanging information during a contest QSO
- C. The most common set of contest rules
- D. The rules of order for meetings between contest sponsors



Editorial Policy and Style Guidelines for *Full Quieting*

Editorial Policy

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

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

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

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

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

Style Guidelines

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

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

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



Editorial Policy and Style Guidelines for *Full Quieting*

(Continued from previous page)

Use these style conventions

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

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

Use these formatting conventions:

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



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 (+) (118.8 PL) [Alt 443.675 (+) (118.8 PL)]**

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

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

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

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

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

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

Tuesdays 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.

