



Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



August 2026 — Issue 60

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From the Editor

Well, looks like I have a theme for this Newsletter. And that theme is...POTA. That makes sense when you think about it, we're in the sweet spot of summer and the parks are calling us!

If you haven't tried POTA (that's *Parks On The Air* for the 3 of you who haven't seen the term yet) consider tagging along with us when we go to one of the monthly BARC POTA Adventures. They're pretty low key but guaranteed fun. When you combine amateur radio and being out in nature in one of these beautiful parks, it's bound to be fun. Especially this month, when we'll be having our BARC Picnic On the Air, combining POTA and a picnic in one event. You can't go wrong!

What else, you ask? Well, I give another HamClock update since it's apparent now that WBOOEW's (sk) HamClock server is down for the count. Last call to move to one of the replacement HamClock servers. This may be my last HamClock update. If you haven't upgraded HamClock by now, you're probably not interested, in my humble opinion.

I also give some tidbits on ADS-B decoding performance for Raspberry Pi-3s and Pi-5s using RTL-SDR versions V3 and V4. Some eye-opening details emerged if you're looking to capture aircraft information from the furthest possible distance in a city's dense signal environment.

A big thank you to those of you who sent articles in this month. I'll get on my soapbox once again and ask all of you to write something to put into the Newsletter. You don't have to be an "award-winning writer" (whatever that means) to write an article, just a willingness to share something with the rest of us. It's a good way to get to know you a little better or for you to enrich the us with something you know and want to share.

Look on page 2 for ideas if you want to write a bio on yourself. There's a full style guideline on page 37-38. As editor, I'll do whatever I can to help you out. Just ask.

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



2026 BARC Officers and Directors

President: Geoff Kline, [KI5VNB](#)

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

Secretary: Jim Gifford, [N8KET](#)

Treasurer: Thomas McClory [KE8FWZ](#)

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

Junior Director: Glenn Rodgers, [WI8O](#)

2026 Coordinators

Antennas: Ray Hitt, [N8VMX](#)

Clubhouse: Jim Lusk, [KC8EFD](#)

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

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

Contesting: Ken Gunton, [W8ASA](#)

Education: Bob French, [AC8ZU](#)

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

Field Day: Eric Bramini, [KC8OPY](#)

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

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

IT: John Westerkamp, [W8LRJ](#)

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

Membership: Jeff Pursel, [KJ6XC](#)

Net: Paul Sharp, [WS8R](#)

QSLs: vacant

Repeater: Russ Roysden, [N8NPT](#)

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

Webmaster: Doug Hayward [K8DRH](#)

BARC Net: Every Sunday, 8 PM Local

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

Directions to BARC Clubhouse and Radio Room

St. Pierre Education Center

3757 Upper Bellbrook Rd

Bellbrook, OH 45305

[Map Link](#)

Park in front of building, enter in front-right door.

Conference room: Take first hallway to the left, conference room is on the right. **Radio Room:** Straight down hallway, left turn into gym. Door on left.

Member Interviews

BARC wants to hear from you!

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

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

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

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

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



President's Corner

It seems like summer has flown by. I can't believe the kids will be heading back to school in just a couple of weeks. This time of year always gets me thinking about learning, and that naturally turns my thoughts toward amateur radio.

The other day I started making a list of things I'd like to learn more about. It began with just a few ideas, satellite communications, digital modes like Hellschreiber, kit building, and VHF contesting. Before long, I realized the list had grown into something that will probably keep me busy for the next several years! There are just so many interesting parts of this hobby to explore.

As summer comes to an end, I'll be looking over that list and deciding which projects I want to tackle first. I'd encourage each of you to do the same. Whether you're interested in trying a new mode, building something, improving your station, or getting involved in a new operating activity, there's always another opportunity to learn.

One of the things that makes our club special is the willingness of members to share what they've learned. If you've spent some time exploring a new aspect of amateur radio, consider giving a presentation at one of our membership meetings. You don't have to be an expert to have something worthwhile to share. Sometimes hearing from someone who's just learning a new topic is exactly what inspires another member to give it a try.

If standing in front of the group isn't for you, consider writing an article for the newsletter instead. Ray (N8VMX) is always looking for content, and I'd love to see more articles from members who are discovering something new. Sharing your successes, and in my opinion more useful are the challenges you experienced along the way. It helps all of us learn.

August is a busy month for the club. We have the Lions Club Parade, our Picnic in the Park, and the Cincinnati Hamfest all coming up. I hope you'll have a chance to join us at one or more of these events. If you see me while you're there, please stop and say hello. I always enjoy catching up with everyone and hearing about what you're working on.

Have a great August, and I'll see you on the air, and around the club!

73, Geoff Kline [KI5VNB](#)



What's Up BARC?

Ray Hitt, [N8VMX](#)

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

What's Up BARC?



POTA at the BARC Picnic on the Air

A few of us will be trying to activate a POTA at Buck Creek State Park ([Oak Grove Pavilion](#)) on August 29th. We will be there as early as 9am, maybe a little before, but come out when you are ready. Glenn Rodgers W18O and Jim Gifford N8KET will be there to activate but also to be the picnic Elmers. Here are our options:

You can sit with one of us, get on the air, and activate. Of course with an activation (or even an attempted activation) it requires that each of us submit our log to the POTA web site. So you will need to have a POTA account set up under your call sign before the picnic.

If you have a Tech license, we can help you set up on 10m. Gifford will have a 10m antenna just for this. We want to encourage each attendee to bring along an HT. We can contact each other in the same park, so even if you have a Tech license, we can help you activate. If there are 10 or more with HTs, that's an activation. No it's not cheating, its teaching how to do a POTA.

So you have an HF radio, antenna, battery, and are signed up with POTA, set up and activate.

You don't have a POTA account? No problem, we will have a PC there and help you sign up.

You just want to watch before you jump in? Great, have a seat and watch the fun.

If none of the above? That's OK, take photos of the rest of us.

{And send them to Ray N8VMX for the September Newsletter. —Editor}



Cincinnati Hamfest – Let's Celebrate Together!

This year's Cincinnati Hamfest is a special one for BARC. As many of you know, **BARC** has been selected as the **2026 Club of the Year**, and I hope you'll join us in celebrating this well-deserved recognition.

This honor belongs to all of our members. Whether you've volunteered at events, shared your knowledge, helped maintain our repeaters and clubhouse, or simply participated in club activities, you've helped make BARC the organization it is today. I hope you'll come to the Hamfest to celebrate with your fellow members.

The award presentation is scheduled for 1:00 PM in the main hall. If you're attending the Hamfest, please plan to join us for the presentation and help represent BARC as we accept this recognition.

BARC will also have two tables inside the Hamfest that we'll be using as a flea market area. We'll have several club items available that didn't sell at Hamvention, and members are welcome to use our table space to sell their own amateur radio equipment as well.

If you'd like BARC volunteers to sell your items for you, please bring them to the clubhouse before August 14. Place your items on one of the tables and clearly label each one with:

- A description of the item
- Your asking price
- The lowest price you're willing to accept

This information gives our table volunteers the flexibility to negotiate on your behalf.

We're also looking for volunteers to help staff the BARC tables during the day. If you can spare a few hours, please send me an email. I'd appreciate the help, and it might even give me a chance to sneak away for a little while to browse the vendors in search of that elusive 70 cm LNA for my satellite station!

Event Information

Date: Saturday, August 15, 2026
Time: 8:00 AM – 4:00 PM
Location: Clermont County Fairgrounds
1000 Locust Street
Owensville, OH 45160

Parking is free, and courtesy transportation is available throughout the event. Simply ask a volunteer inside the Hamfest or call on one of the following repeaters for pickup:

W8MRC 147.345 (+) MHz – PL 123.0 (Primary)

W8MRC 145.450 (-) MHz – PL 123.0 (Backup)

Admission is free for anyone under 18 and for active-duty military personnel with a valid military ID.

Amateur Radio license testing will be available from 9:00 AM until 11:00 AM.

I hope to see a strong BARC turnout at this year's Cincinnati Hamfest. Let's celebrate our Club of the Year award together, enjoy a great day of amateur radio, and maybe even find that one piece of equipment we've all been hunting for.



Greetings from KE8FWZ @ Scouts Jamboree

Photo is the view July 21st from K2BSA, the Radio Scouting exhibition at the 2026 Scouting National Jamboree. It's being held at the [Summit Bechtel Reserve](#) in Glen Jean, West Virginia, from July 22-31, 2026. The Jamboree is roughly 5000 scouts all over the US including Alaska, Hawaii, Puerto Rico.

The Demo stations are provided to get scouts to make contacts. Also 2 merit badge sessions are conducted per day. We had 2 VE sessions administering about 40 tests. Not sure how many new licenses were earned.

The antennas are a 20m rotatable beam on the left, a 40m dipole in the center, and a 17m rotatable beam on the right. VHF (2m) and UHF (70 cm) bands are also covered.

Radio Scouting is supported by Icom America so the HF rigs are IC-7300 and the two VHF/UHF rigs are IC-9700 on DSTAR reflector 033A.

So, a busy week. — **Tom KE8FWZ**



What's Up BARC? (continued)

BARC Swag from Emerio KE8JNQ

In the April 2025 planning meeting, the club officers approved Emerio KE8JNQ to offer a variety of items for sale all in Blue BARC Color. These items complement the other items being offered for sale from other vendors. Notice that the logo is a larger size so other Amateur Radio Operators can see it better. All BARC members get this discount price. If you need more information or would like to order, contact Emerio KE8JNQ. His telephone number is 937-546-9477.



BARC Swag from Parrot Promo Essentials

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

BARC Mugs from Chris Hanselman, AD8OM

For those of you wanting 20 oz insulated BARC mugs, please contact Chris Hanselman, AD8OM, at deeremt@gmail.com. They are offered in Blue with silver print and Black with copper print. Look for some new designs to be unveiled soon to add to your collection!



Officer, Director, and Coordinator Inputs

Secretary: Jim Gifford, [N8KET](#) : As secretary I recorded minutes and notes from meetings. Along with Glenn Rodgers, I met with Doug Hayward about POTA on the web page. Victoria Ballweg provided Geoff Kline and I a draft of the tri-fold for the Special Event, and I provided comments.

Treasurer: Tom McClory, [KE8FWZ](#): July expenses totaled \$243 including the recurring \$162 monthly internet services expense to Spectrum, a one-time expense of \$82 to Geoff Kline to reimburse the shelter rental for the August club picnic. Income this month was \$0, likely because I missed the July meeting so I could not collect the refreshments donations. The club ends the month with \$8,185 bank balance. Planned expenses for July is the recurring \$162 internet services expense.

Repeater: John Westerkamp, [W8LRJ](#): No issues reported with the BARC repeaters at the KAS repeater site. We did have an issue with the W8GCA-10 Winlink node at the same site and found some loose connectors. All systems are now working well. The new Cisco VPN router is also working well.

Communication Center: John Westerkamp, [W8LRJ](#): Thanks to Tim (N8NQH) for hooking up the remaining two rotor controllers. The hexbeam rotator can now be controlled from any of the three stations. We also fixed a problem with a corrupted file that was preventing N3FJP from starting on Station #3. The file was repaired and N3FJP is working again. We also tested the stations to make sure all the Field Day equipment was hooked back up and found one coax connection in the wrong place that was preventing the radio from transmitting due to high SWR. All stations are back to operational status and available for members.

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 July 2026 there were approximately 64 check-ins lasting 172 exciting and informative minutes. Topics ranges from Open Mike, Parks on the Air, interesting contacts, 13 Colonies, Boy Scout Jamboree, and favorite way to cook fish.

Our faithful Net Controllers are, Larry Darner KD8RER, Connie Gifford W8CSG, Jim Gifford N8KET, Tink Siewicki KD8NUA, Eric Bramini, KC8OPY, and Paul Sharp WS8R. Joe Menchaca, KE8UUA as a trusty alternate.

Membership: Jeff Persel, [KJ6XC](#): we had 1 new member join bringing our current total to 168.



BARC August 2026 Event Calendar

Sun Aug 2, 2026

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

Tue Aug 4, 2026

6:30pm POTA SIGWhere: [BARC Clubhouse](#)

Thu Aug 6, 2026

7pm Planning Meeting Where: [BARC Clubhouse](#)

Sun Aug 9, 2026

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

Tue Aug 11, 2026

11:15am Lunch Bunch..... Where: [Chic-Fil-A](#)

Sat Aug 15, 2026

8am-4pm Cincinnati Hamfest Where: [Clermont County Fairgrounds](#)

3pm Lion's Club Parade Support Where: [Bellbrook Community Church](#)

Sun Aug 16, 2026

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

Tue Aug 18, 2026

6:30pm Tech NightWhere: [BARC Clubhouse](#)

Thu Aug 20, 2026

5:30-7pm BARC HF Learning and Operating Session Where: [BARC Radio Room](#)

7pm Membership Meeting Where: [BARC Clubhouse](#)

Sat Aug 22, 2026

12pm Ohio QSO PartyWhere: [BARC Clubhouse](#)

Sun Aug 23, 2026

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

Tue Aug 25, 2026

11:15am Lunch Bunch.....Where: [Culp's Café](#)

Thu Aug 27, 2026

7pm Dessert & Movie Night Where: [BARC Clubhouse](#)

Sat Aug 29, 2026

9am BARC Picnic On the Air Where: [Buck Creek State Park](#)

Sun Aug 30, 2026

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



BARC Upcoming Events (Aug-Dec 2026)

Sat Aug 15, 2026

Bellbrook Lion's Club Parade Where: [Bellbrook Community Church](#)

Sat Aug 15, 2026

Cincinnati Hamfest (BARC Award) Where: [Clermont County Fairgrounds](#)

Sat Aug 15, 2026

North America QSO Party Where: BARC Clubhouse

Sat Aug 22, 2026

Ohio QSO Party Where: BARC Clubhouse

Sat-Sun Aug 22-23, 2026

Huntsville Hamfest Where: [Downtown Huntsville, AL](#)

Sat Sep 19, 2026

Wright Brother's Special Event Station Where: Carillon Park

Thu Oct 22, 2026

BARC Family & Friends Chili Dinner Where: BARC Clubhouse

Fri-Sun Oct 23-25, 2026

CQ WW Contest Where: BARC Clubhouse

Sat-Sun Nov 21-22, 2026

ARRL Sweepstakes Where: BARC Clubhouse

Please send upcoming events to: editor@bellbrookarc.org or
hittra@gmail.com



BARC Movie and Dessert Night

August 27th 2026!

Time sure does fly when you're watching a good movie! We have just two more movies for the 2026 BARC Movie and Dessert season. The September movie night is cancelled due to a scheduling conflict. Next up for August is an oldie but goodie, a John Candy Movie, *Cool Runnings*. We will end the season in October with a Western/supernatural film (with a good cast of actors) *Purgatory*. It's not scary in your face but has more of a Twilight Zone feel.

Date	Title	Genre	Actors
✓ January 22, 2026	Groundhog Day	Comedy	Bill Murray
✓ February 26, 2026	Aqua Man & the Lost Kingdom	Adventure	Jason Momoa
✓ March 26, 2026	The Italian Job	Adventure	Mark Wahlberg
✓ April 23, 2026	Rental Family	Comedy/Drama	Brendan Fraser
✓ May 28, 2026	Alita Battle Angel	Action	Rosa Salazar
✓ June 25, 2026	Now You See Me/Now You Don't	Action	Woody Harrelson
✓ July 23, 2026	For Richer or Poorer	Comedy	Tim Allen/Kirstie Alley
August 27, 2026	Cool Runnings	Comedy	John Candy

September 24, 2026 Canceled due to scheduling conflict

October 22, 2026 **Purgatory** Western Supernatural Mystery Cast of known actors

BARC 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 and you never know what we will come up with for dessert! We welcome movie recommendations.

Our BARC 2026 Movie Season continues, with two more fun films, in our new clubhouse with a great mix of movies and great people!

We'll see you in August at the Movies!

Tink
KD8NUA



Our BARC Family and Friends Chili Dinner is BACK!!!

After a year's hiatus Our BARC Family & Friend Chili Dinner is BACK!

On Thursday October 22, 2026 at 6:30 PM (note the early start time) at the BARC General Meeting we will again have our Annual BARC Family & Friends Chili Dinner followed by a short meeting. It will be held in the conference room where we now have our BARC General meetings.

BARC members, family and friends are invited to join in our Annual BARC Chili Dinner.

You can make your favorite chili recipe to share or bring crackers, onions, cheese, sour cream, salsa, a dessert, a side dish: the list is endless and we love to eat!

October is the perfect month for a chili dinner. Who am I kidding, chili is good anytime so please plan to join us in October for the BARC Annual Family & Friends Chili Dinner. It will be a great time to get to know and visit with our new and longstanding members.

P.S. Don't worry we will have hot, very hot and mild chili. Something for everyone!



The 1130 DMR Net—Statistics for 2026

Ray Hitt, [N8VMX](#)

The **1130 DMR Net** meets Monday through Friday on the **DMR talk group 310557**. This is Tim, N8NQH's East repeater talk group. The net starts at 1130am Ohio time (*says Capt. Obvious*).

I started taking statistics in 2026, and here are the results for **January through July 2026**.

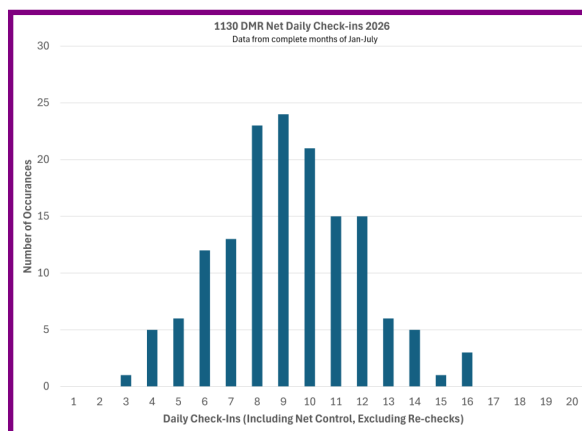
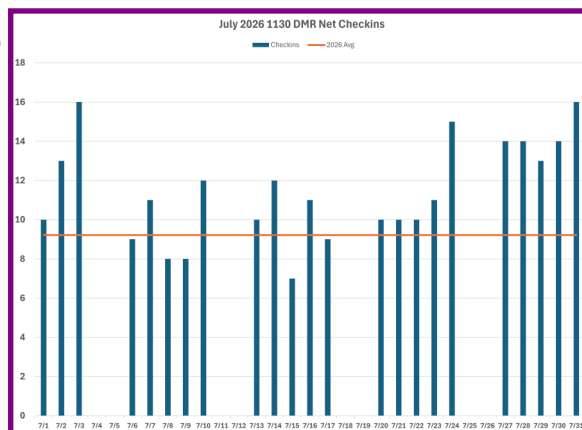
Since January, we've had **1382** check-ins. The average number of check-ins per day increased from **10.14** in June to **11.43** in July. We had another record shattered: the number of monthly check-ins in July was **263** smashing the previous June record of 223. The month to month percentage growth from the previous month is shown in the chart (below left). The number of check-ins in July rose **17.94%** from June. The number of daily check-ins has ranged from **3-16**. We have folks around the US, UK, Canada and even Indonesia checking in! The record length of the net was set on Friday, July 24th at **76** minutes (we're typically 30-40 minutes) with Ian M6PBY as our net control. Ian is very popular and many folks check in on Fridays to chat with him.

We're up to a list of **64** people who have checked in from Jan-Jul at least once. Word of mouth is spreading across the DMR and DSTAR nets, so hopefully this net will continue to grow in popularity. It's nice to make new friends around the world!

Net Control Stations are: **Ray** N8VMX (Monday), **Kevin** KF8BHL (Tuesday), **Jim** WA8HUB (Wednesday), **Brian** AA4BK (Thursday), and **Ian** M6PBY (Friday).

If any of you need help programming your DMR radio to get on the net, please contact Ray [N8VMX](#), he can set you up.

	Check-ins	Average Daily Check-ins	% Increase
Jan-2026	127	6.35	—
Feb-2026	169	8.45	33.07%
Mar-2026	200	9.09	18.34%
Apr-2026	205	9.32	2.50%
May 2026	195	9.29	-4.88%
June 2026	223	10.14	14.36%
July 2026	263	11.43	17.94%
2026 Total	1382	9.21	—



Lunch Bunch

Jim Totten, [WA8HUB](#)

Hello my fellow lunch lovers. Our Bellbrook Amateur Radio Club (BARC) lunches (Lunch Bunch) are scheduled on the 2nd and 4th Tuesdays of the month. We meet at 11:15am and are usually eating by 11:30am.



Now for LUNCHES. You should have the lunch chart available on the next page.

The August lunches are in **bold print**. Now lets discuss the terrific lunches we

had in July. The schedule in July was normal. On July 14, 2026 we were going to

enjoy lunch at Butterbees in Xenia, OH. This venue has a varied menu. Out-

standing. Problem!!! Turns out everybody that were more or less regulars were

all committed for something that day. Only Tim N8NQH was available. He and I

decided the smart action was to delay a week. So that lunch was on July 21. Six for lunch. Food was

perfect. Lunch for July 28th was scheduled at Mr Shawarma's Grill. At one time it was Yaffa Grill. It is

our only Mediterranean restaurant. The specialty is the buffet. Lots of choices. My only selection.

Initially the attendance was 6. Ended up 8. All but one were hams. Andreas ? was not. However he

was a good part of the conversation. Everybody but Tim and Yvonne had the buffet. Nobody went

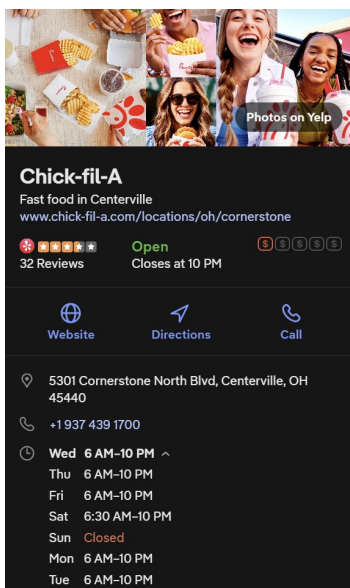
away hungry.

OK this is what you want to know. What does August bring? Ray and I have redone the chart so that August is at the top. On August 11, 2026 we will be eating at the **Chic-Fil-A** in the Cornerstone Complex. They have a special dressing for their salads which is unique and delicious. The actual address is 5301 Cornerstone N Blvd., Sugarcreek Township, OH. On August 25, 2026 our restaurant is **Culp's Café** at Carillon Park. The address is 1000 Carillon Blvd. Dayton, OH. FREE parking available at Carillon Historical Park. The entrance is on the West side of S. Patterson Blvd. Culp's is open from 10:00 am to 2:00 pm. I will send a link to their menu in the invite message. It is extensive.

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

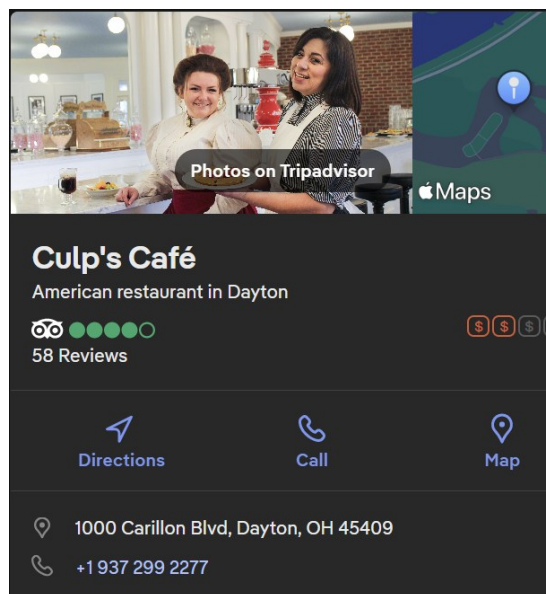
73, Jim, [WA8HUB](#)

Tuesday, August 11th, 11:15am



*Click picture or hyperlink
for more info and maps*

Tuesday, August 25th, 11:15am



(Continued on next page)



Lunch Bunch List

Jim Totten, [WA8HUB](#)

Date	Restaurant	Address	City	Phone Number
08/11/26	Chic-Fil-A	5301 Cornerstone N Blvd,	Sugarcreek Town- ship, OH 45440	(937) 439-1700
08/25/26	Culp's Café	1000 Carillon Blvd	Dayton, OH 45409	(937) 293-2841
09/08/26	City Barbecue	2001 E. Dorothy Lane	Kettering, OH 4542	(937) 200-1006
09/22/26	Marion's Piazza	1320 N Fairfield Rd.	Beavercreek, OH 45432	(937) 429-3393
10/13/26	Red Robin	2671 Fairfield Commons Blvd.	Beavercreek, OH 45431	(937) 320-9800
10/27/26	Beavercreek Pizza Dive	4021Dayton-Xenia Rd.	Beavercreek, OH 45432	(937) 431-8669
11/10/26	Cherry House Cafe	1241 Meadowbridge Dr.	Beavercreek, OH 45434	(937) 320-6200
12/08/26	Another Broken Egg Cafe 7:00 am to 2:00 pm	2453 Esquire Dr.	Beavercreek, OH 45431	(937) 912-5074
01/12/27	China Garden Buffet	112 Woodman Dr. Airway Shopping Center	Dayton, OH 45431	(937) 781-9999
01/25/27	First Watch 7:00 am to 2:30 pm	5245 Cornerstone North Blvd	Sugarcreek Town- ship, OH 45440	(937) 732-9013
02/09/27	Submarine House	3195 Dayton-Xenia Rd.	Beavercreek, OH 45434	(937) 429-8650
02/23/27	Roosters Wings	2430 N. Fairfield The Shoppes at FC	Beavercreek, OH 45431	(937) 702-9500
03/09/27	Butterbees	217 Progress Drive	Xenia, OH 45385	(937) 352-6504
03/24/27	Shawarma Grill	2844 Colonel Glenn Hwy	Fairborn, OH 45324	(937) 429-4959



Grilled Salmon Recipe

Ray Hitt, [N8VMX](#)

After Paul, WS8R's question of the week for the last Sunday Night BARC Net, "*What's your favorite fish recipe*", I had to share this one. I'm not normally a huge salmon fan, but I am now after trying this recipe. I highly recommend boiling the marinade down and using it as a sauce over the salmon. You can either grill or use an air fryer. As they say in the UK, "simply gorgeous"!



Ingredients:

- 1 ½ pounds salmon fillets
- lemon pepper to taste
- garlic powder to taste
- salt to taste
- ⅓ cup low salt soy sauce
- ⅓ cup brown sugar
- ⅓ cup water
- ¼ cup vegetable oil (see Notes*)

Directions:

1. Gather all ingredients.
2. Season salmon fillets with lemon pepper, garlic powder, and salt.
3. Stir soy sauce, brown sugar, water, and oil together in a small bowl until sugar is dissolved. Place fish in a large resealable plastic bag; add soy sauce mixture, seal, and turn to coat. Refrigerate for 2-3 hours.
4. Preheat an outdoor grill for medium heat and lightly oil the grate.
5. Place salmon on the preheated grill skin side down and discard marinade (or bring marinade to boil and use as a sauce). Cook salmon until fish flakes easily with a fork, about 6 to 8 minutes per side. Serve and enjoy!

***Notes:** *Substitute extra virgin olive oil for vegetable oil.* Use extra virgin olive oil in the grill grates. Grill fish skin side down first for 4-5 minutes, then flip and cook 3-4 minutes skin side up. Then let it rest on a plate for 2-3 minutes, it will continue to cook for a while.

Air Fryer Tip: This recipe can also be used in an air fryer. Cook at 390-400° for 8-12 minutes. Cook skin side down. No need to flip fish, however for a toaster oven style air fryer, rotate the tray 180 degrees halfway through cooking to even it out.

Adapted from <https://www.allrecipes.com/recipe/12720/grilled-salmon-i/>



My New POTA Adventure

Glenn Rodgers, [WI8O](#)

As some of you know... I LOVE POTA... and I'm always looking for a new park or adventure to try. I am very grateful to Jim (N8KET) for finding the North Country National Scenic Trail (US-4239) for us to enjoy and activate. In one way it is like the Lewis and Clark Trail (US-4572) and the Appalachian Trail National Scenic Trail (US-4556) in that each of these POTA "parks" span multiple states. Each of these trails has a single US-number, but when you log it in the POTA app you receive a "Location" button with drop down for the state you activated the site in. So you can activate the same trail in multiple states with each state identifying a unique location.

I searched "North Country National Scenic Trail" and quickly found a great deal of information about it, including a number of maps I could drill down to in order to find exactly where the trail crossed places I knew or might be close to at some time. As a result, I noted the trail goes through the Xenia Station (on the bike path) and that I had to try a BPOTA (bicycle POTA) activation! I began thinking of what would be the easiest way (for me) to try to combine the fun of radio with that of my e-bike.



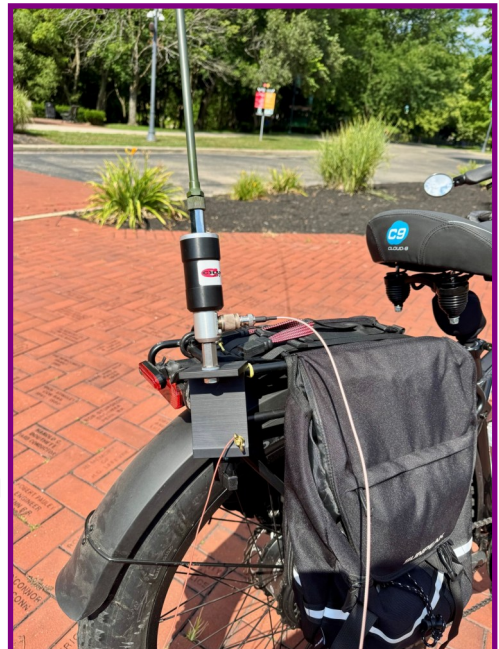
I thought the best approach would be a light-weight QRP radio and an iPad running the iFTx app.



On a recent Thursday afternoon I packed up everything I might need in my saddle bags and left my house. The round trip route for me was a known 26 miles so I hit the streets to the bike path, determined to make this a fun ride and hopefully activate a new site.

This turned out to be a fun ride and successful activation, also a good learning experience. Once I figured a way to mount my antenna and setup my radio on a convenient park bench, the activation took

roughly 45 minutes (11 QSOs on 20M FT8 with 7 watts). I brought more stuff than I actually needed, and thought of a better way to mount my 17' vertical antenna on my bike for next time. I plan to do more bicycle activations soon, and I can honestly suggest this for anyone with a radio light enough to carry and a bike.



73, Glenn [WI8O](#)



Another POTA Activation Adventure

John Westerkamp, [W8LRJ](#)

Glenn Rodgers, [WI8O](#)

Just another great day of POTA shared with friends...

Thursday 16 July, John (W8LRJ) and Glenn (WI8O) had decided to activate a park that neither of us had been to before. John suggested [Deer Creek State Park](#) (US-1945) located just past Washington Courthouse off highway 35, a bit over an hour's drive for us. We planned a leisurely trip, with the intention of arriving at Deer Creek Lake mid-morning and finding a comfortable spot to setup and operate QRP / Low Power, and possibly find somewhere to eat lunch on the return trip. A casual trip to another POTA adventure without much in the way of pre-trip planning other than to have fun and see what happened.

When we reached our destination we drove around the lake to get a better idea of what was there, and to find somewhere to setup our radios and activate. We discovered a very nice looking golf course, boat ramps, and sites where we could easily setup, but didn't find the site we wanted until we reached the beach area. This location offered a very large parking area, restroom facilities, and multiple picnic tables under large shaded canopies... and very few people at the beach yet.

We grabbed our gear and quickly set up our stations. John using his Xiegu G90 (20w max) and "SpoolTenna" end fed half wave suspended from his overhead canopy and into a nearby tree. Glenn using his Yaesu FTX1 and Chameleon vertical antenna. After a quick discussion on what band we would each use, we started our activations. It wasn't long before we each had our parks logged, and families started arriving to enjoy the beach. The breeze off the lake, along with canopy shaded tables, made for a very comfortable morning activation.

We decided it was time to put away our stations and head towards home, and getting lunch along the way. John, as usual, had done a bit of gastronomical research and suggested The Willow restaurant in Washington Courthouse as it had very good reviews. We found the service excellent and the food even better, we noted that it appears to be very busy all the time (a good sign) and we both recommend The Willow to you whenever you find yourself in the area. We enjoyed another great POTA adventure, and though a further drive than our "usual" haunts, one well worth the time. So if you have the time and desire to try a location new or unfamiliar to you, just check Parks On The Air park list and see what you can find... it's well worth your time.

73,

[W8LRJ](#), [John](#)

[WI8O](#), [Glenn](#)



Another POTA Lesson Learned

Ray Hitt, [N8VMX](#)

I went out on a solo POTA adventure on Saturday, July 11th. This was to shake some bugs out before our BARC POTA adventure on July 18th. Based on how things went, I wanted to share some lessons I learned the hard way.

I activated at two sites, I started at a three-fer park – [Caesar Creek Gorge State Nature Preserve](#) (US-7847), [Little Miami State Park](#) (US-1972), and [North Country Trail National Scenic Trail](#) (US-4239), then I went to the Wellman Meadows Boat Launch in the [Caesar Creek State Park](#) (US-1940). I spent about an hour at each location and got around 15-18 contacts at each one. I started out on 40m band, worked awhile, then things looked a little dead, then moved up to 30m band, and got some more. At the second site, I quickly moved to the 20m band since 80m 40m and 30m were all pretty dead.

Here's a shot of where I parked at the Wellman Meadows Boat Launch on the Southwest side of the Caesar Creek Lake. You can see a solar panel on the right side of the car propped up against the car – it was wired into my Renogy solar charge controller and even on an overcast day was putting about 75 watts back into both the LiFePO₄ battery and the car battery. I was tracking it on the Renogy app on my cell phone.

This was a beautiful and quiet location to make some contacts. I only packed up when I saw some weather blowing into the area. I got back home just in time to see the rain start coming down in earnest. We ended up getting maybe 2 inches of rain Saturday.

You can't prepare for everything: I thought I would be OK throwing everything into the car the Friday afternoon before my POTA activation, wire up the computers to the radio and battery, and make a contact or two in my driveway to make sure everything works. Well, it didn't quite go that way. I use FLRig and WSJT-X when I do FT8 on POTA, so I fired those programs up and tuned up my antenna and noticed that I couldn't properly adjust the transmit output levels in WSJT-X. This was unusual and never happened before. I checked the Windows sound settings, and everything looked normal. The other troubling thing was the loud rumbling coming out of the subwoofer when I adjusted the power up in the radio. The power levels were bouncing all over the place. This never happened before either. Grok didn't offer any useful advice beyond what I had already checked and confirmed.



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Another POTA Lesson Learned (continued)

Eventually, when scrolling through my Yaesu FT-857D's menus, I noticed that the AGC was OFF. I never leave the AGC off, so I'm not quite sure how that happened. Anyway, when I switched the AGC to AUTO (or alternatively FAST for FT-8 or SLOW for AM/USB), things started behaving normally again. Problem solved, but I lost an hour or two sorting that out. Not something you want to be working on when you're at your POTA site.

Then on Saturday at the POTA site, I had some difficulties when I was getting started. First off, I forgot a pad of paper. Never ever forget paper and pen/pencil to jot things down! Even though I was using a computer running FT8, I still like to write down the contacts I successfully worked so that I can make sure I get enough contacts for an activation and also that I don't get duplicates. Luckily, I had a scrap envelope I could sacrifice, writing contacts on the back of it with a pen I always leave in the car.

The other problem I faced was that the Windows 11 cube computer I was using kept shutting off when I transmitted. That was really annoying when I was in the middle of an FT8 contact. I noticed that the LiFePO₄ battery voltage sagged just below 12V when I was transmitting (as measured by the radio itself), it might have been low enough to cause the computer to power off. Luckily, I had packed a reserve LiFePO₄ battery box in the rear seat. I relocated the computer's power to the reserve battery box, and it ran fine the rest of the POTA activation; in fact, I only used a few percent off the battery. Another solution would have been to take the extra step of plugging all the USB peripherals into a powered USB hub instead of directly into the Windows 11 cube computer. This would keep the DigiRig, the monitor and keyboard/mouse dongle from adding to the power budget on the USB power adapter feeding the Windows 11 cube computer. The USB powered hub is powered directly through the LiFePO₄ battery with a PowerPole connector. That is something I need to test more thoroughly.

I was lucky to have that extra battery in the car, so I should do something more to take the luck out of it. A checklist—that's what I need (but keep in mind that you can't prepare for everything, right?).

So, I started a checklist that is customized for me, working FT8 in the car. Your checklist will vary of course, depending on what you're doing. The main thing is just to build a list, and refine it over time, and things will get easier as you go forward. If you're working voice instead of FT8, you'd have a different check list. If you plan on maybe doing FT8 and voice, then you'd need the combined checklist. So, I will do just that; make a checklist for SSB, for FT-8, for operating on a park bench instead of in the car. It can get complex if you have different antenna types.

You can see where it could be easy to get carried away with building a perfect checklist, you may end up bringing every amateur radio item you own just in case you need it.

I recall seeing a sample checklist in the book *Successful POTA—The WV1W Illustrated Guide to Parks On The Airsm* by Don Dickey. Available on his website, https://wv1w.us/pota_book.html. It's a very inexpensive book. This book used to be on Amazon, in fact I have the Kindle version, but they took it down. You can buy the paperback or Kindle version on WV1W's website. If you're new to POTA, or just dabble like I do, this book is pretty handy and may give you some ideas of things you could do to make your POTA experience better.

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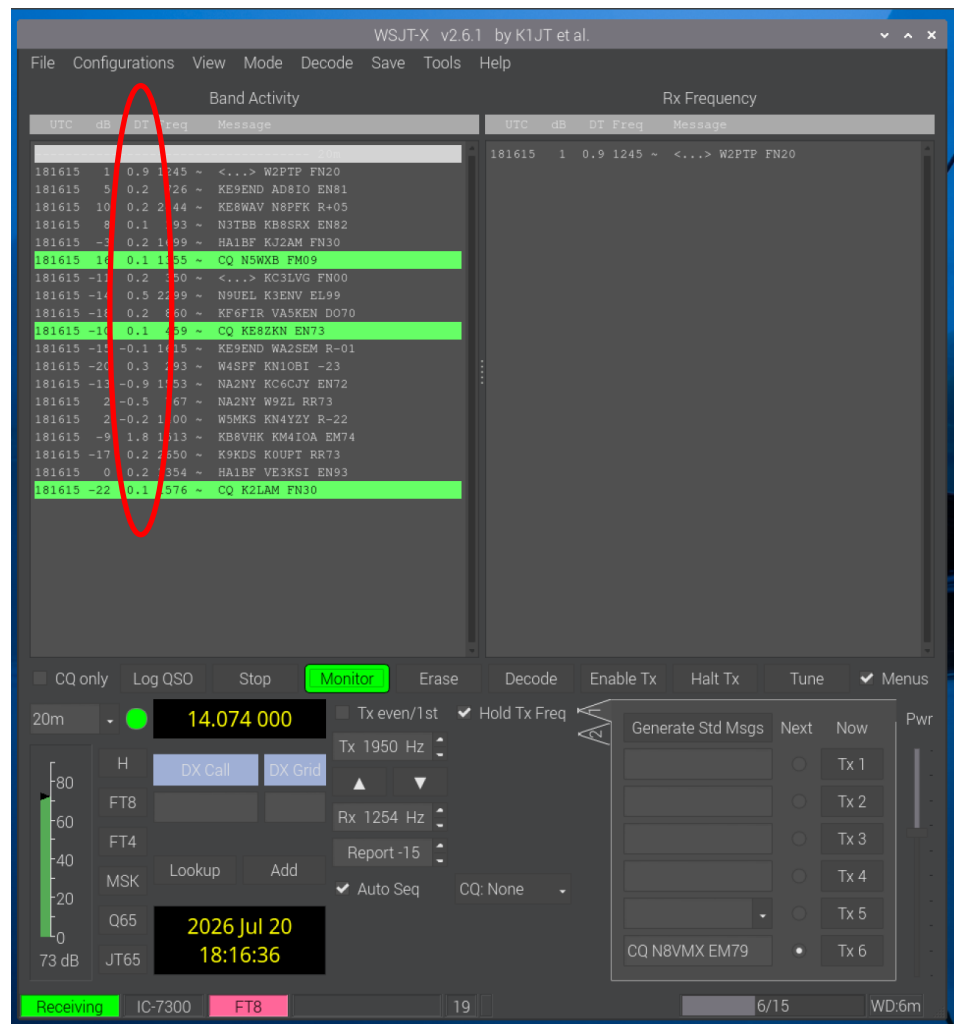


Another POTA Lesson Learned (continued)

Other than these nuisance items I mentioned, I was able to get through them and activate at both of the POTA locations. I then spent hours at home, listening to the rain, splitting the wsjt-x log file into copies for the three parks I worked. It all came together for me. Looking forward to the next activation, wherever it may be.

Addendum: On Saturday, July 18th, I participated in the BARC POTA Adventure. We met for a quick breakfast at the McDonalds in Waynesville, then went on our separate ways. I went to a two-fer park, the [Spring Valley State Wildlife Area](#) (US-7849) and the *Little Miami River State Park* (US-1972). When setting up to operate FT-8, I noticed that while I had adequate transmit power and receive audio, I was making no contacts. After a few minutes of fussing around, changing bands, etc., I noticed the time delta between myself and the other on-air stations was 2.6 seconds (on the wsjt-x main page beside every received contact). *I forgot to turn on my Internet hotspot and my computer's time had drifted.* Once I activated my phone's hotspot and connected to it, the time delta decreased to around 0.3 sec. and I made 21 contacts within an hour or so. As a reminder, all FT-8 stations need to be within a second or so of each other or your transmission and their reception will be cropped off and you won't make any contacts. This is definitely something to add to my checklist.

73, Ray N8VMX



(Continued on next page)



Another POTA Lesson Learned (continued)

N8VMX Initial Checklist – focused on in-car FT-8 operation

Always mounted in car (check day prior)

- ☐ FT-857D (inspect settings, power, antenna connections)
- ☐ Digi-Rig compatible data and CAT cables (green and black plug ends color match to DigiRig)
- ☐ SGC Antenna Coupler (listen for relay clicks and SWR improvement when testing for operation in AM mode, 20W or less power, on all bands of interest 80m through 6m)
- ☐ 100 AH LiFePO₄ battery charged, connected to Renogy DC-DC charger in car check that alternator power is switched on to charger
- ☐ Check DC-DC charging status via Renogy phone app with engine off, engine on and with solar panel
- ☐ 110” HF whip mounted to HF antenna quick disconnect post
- ☐ USB-C to USB-C charging cable for cell phone

Additional Required Items

- ☐ Pad of paper with pen/pencil
- ☐ Pre-printed log sheets
- ☐ Cell phone with hotspot capability
- ☐ Windows 11 cube computer (GMKtec mini-PC)
- ☐ 100W USB-C Outlet with PowerPole input connector (higher wattage for mini-PC)
- ☐ High current 3-foot USB-C to USB-C cable (power only, no data required)
- ☐ DigiRig - connect to pre-connected data/cat cables on FT-857D and to USB port on mini-PC
- ☐ Logitech keyboard with trackpad mated to USB dongle (single dongle combined with mouse and keyboard) **and** Logitech mouse mated to same USB dongle as keyboard)
- ☐ 5V USB-C powered HDMI monitor
- ☐ 6-foot HDMI to HDMI cable (monitor to mini-PC)
- ☐ 6-foot USB-C to USB-A cable (monitor to mini-PC)
- ☐ 3-foot USB-C to USB-A cable with filters (Digi-Rig to mini-PC)
- ☐ 12-VDC powered (PowerPole) USB hub (reduces computer’s power draw)
- ☐ Fused PowerPole Bus and spare fuses (stored inside reserve battery case)
- ☐ 50AH battery box (check battery charge, extra cable stowage and spare fuses inside battery box This battery may be required to independently power the mini-PC)

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Another POTA Lesson Learned (continued)

Optional Items

- ☐ (optional) 100W solar panel connected to solar input on Renogy DC-DC charger
- ☐ Garmin GPS (handy when it's preloaded with specific POTA destinations in the event of cellular outages)
- ☐ Android Tablet (logging software, independent Internet access from mini-PC)
- ☐ Additional antennas (17 ft and 25 ft telescopic antennas, random length wire, end-fed half-wave, tripod, Kansas Big Coil, faraday ground plane cloth and/or radials, guy ropes premounted to guy rings) - particular antenna depends on POTA site and band conditions

Comfort and Personal Items

- ☐ Raincoat (rolled up in passenger seat area)
- ☐ Water
- ☐ Coffee
- ☐ Protein snack bars (or whatever snack suits the mood of the day)
- ☐ Mosquito repellant, sunscreen, hat, sunglasses, jacket (depending on season)

FT-8 Startup Procedure (presumes all cables connected and system tested the day prior)

- ☐ Turn on FT-897D radio. Doublecheck power level set to 5-20W max for initial tuning
- ☐ Prepare notepad for callsign notes to augment wsjt-x's logging
- ☐ Turn on cell phone hotspot. Plug phone's charger cable into reserve battery (not car) to make sure phone stays charged all day
- ☐ Turn on reserve battery. Monitor battery voltage either through multimeter attached to the PowerPole bus, or turn on a USB charger port with voltage display
- ☐ Turn on Windows 11 cube computer, ensure display is working properly (if not, toggle HDMI's power button)
- ☐ Log into Windows. Note taskbar contains all POTA relevant programs for easy access
- ☐ Activate FL-Rig
- ☐ Activate FL-Digi
- ☐ *Optionally* activate GridTracker 2 then *optionally* activate N3FJP (*avoid operator overload*)
- ☐ On Android phone, activate KG9E Grid Square converter, get location grid square
- ☐ In wsjt-x ⇒ File ⇒ Settings, enter the grid square for your actual location
- ☐ For the Tx-6 field, where the CQ N8VMX is displayed, change it to read CQ POTA N8VMX
- ☐ Hit the Tune button on wsjt-x. On the FT-897D, check power level, modulation, AGC, SWR
- ☐ Ensure wsjt-x Monitor button is pressed, move TX frequency to a clear spot, hit Tx-6 selector, then Enable Tx to start calling CQ.



POTA at Tar Hollow State Park

Jim Gifford, [N8KET](#)

Glenn Rodgers W18O and I were invited to join Michael Kalter W8CI at his campground at beautiful [Tar Hollow State Park](#) (POTA number US-1996), which is in the rolling hills of Hocking County, Ohio. Our drive of just short of two hours was mostly on four-lane state highways.

As a POTA park, it encompasses both the park and Tar Hollow State Forest (in POTA terms, a two-fer). Once we arrived our host guided us to a higher elevation point for a better chance of an activation. As we reached the pinnacle of the hill, there was a state forest service fire tower. We briefly discussed climbing the many steps, but we decided on a safer location at a rustic shelter at the edge of the forest.



Glenn set up his vertical antenna in front and established his station on a picnic table in the shelter. He operated primarily FT-8 with an attempt at CW. Behind the shelter I found a wonderful tree just begging me to toss a line. I hooked up an arbor throw bag to my line, wound up for a mighty throw, and tossed my line higher than I ever threw before. It was a new Gifford height record, but at a minor expense: I fell flat on my face.

I had started the windup standing on a hill of hard, smooth clay. Around and around the arbor bag goes, up in the air and oh what a throw, Jim then falls on his head and shoulder for a blow, around and around my vision does go.

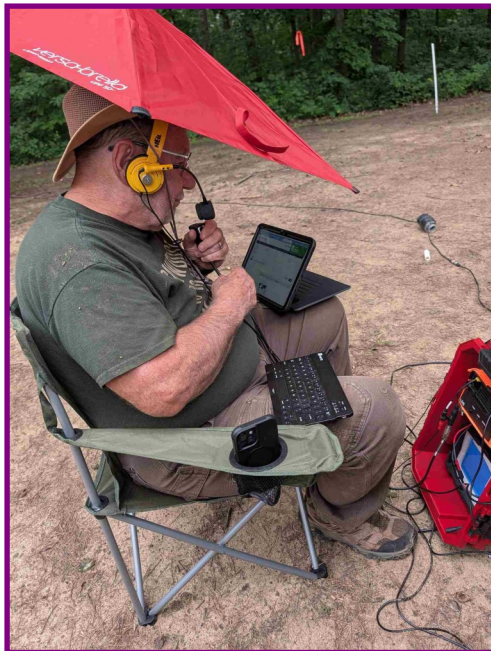
My Apple watch alarm sounds and asks if I have fallen and do I need to call 911. "Are you hurt?" it asks digitally. No, don't call 911, you will never find me out here. I'm okay—well not really, but nothing is broken. I looked around and neither Michael nor Glenn saw me fall. If a ham falls in the woods with no one around, does it make any sound? Yes, moaning!



POTA at Tar Hollow State Park (continued)

I pulled up a 40m dipole about 25 feet up in a tree. The two antenna wires were connected to plastic posts, which were made for an electric fence. I made 17 QSOs in about 30 minutes.

After I shut down for a break, I ventured in to join my comrades. Michael and I talked about the beauty of the forest's trees and wildlife while Glenn worked diligently on getting his activation. Michael did not try to activate at this time, because his station was set up inside the camper down in the hollow.



As we talked we heard a distant rumble of thunder. Understand, we were sitting not 15 feet away from Glenn. Boom! "Well, Michael, it's getting pretty close," I said. Michael checked the weather radar on his phone. He said, "Yes, we better be taking things down before it hits." Flash! Boom Flash! Boom! "Hey, Glenn, don't you think we ought to pack up?" Glenn looks at us puzzled. "Why?"

"Don't you hear the storm approaching?" Glenn: "Hmmm, What storm?"

After packing up we ventured back to the camper and consumed a delicious burger grilled by Michael, then we headed home. Tar Hollow is a gorgeous gem of forest not far from home.

73, Jim [N8KET](#)



August HamClock Update

Ray Hitt, [N8VMX](#)

Well, it appears official. During the weekend of July 18th, the original HamClock backend server located at clearskyinstitute.com ceased providing data. You can connect to the server, but it sends you nothing. If you ping the server, you will get a timely response, but that's about all you'll get. I've heard reports that the server hard drives are full, but I don't know how someone could arrive at that conclusion definitively.



So, by now you should have moved over to either Open Hamclock Backend (OHB) located at ohb.works, or Hamclock located at Hamclock.com. To refresh your memory on where to look in the Full Quieting Archives for tips go to these *Full Quieting* back issues (especially those in **bold**):

- **Building a HamClock from Scratch on a Raspberry Pi:** [February 2026 Full Quieting](#), pg 28-38
- March HamClock Update: [March 2026 Full Quieting](#), pg 28-31
- April HamClock Update: [April 2026 Full Quieting](#), pg 14-19
- May HamClock Update: [May 2026 Full Quieting](#), pg 26-30
- June HamClock Update: [June 2026 Full Quieting](#), pg 22-24
- **Setting Up Your Raspberry Pi HamClock,** [June 2026 Full Quieting](#), pg 25-30
- July HamClock Update: [July 2026 Full Quieting](#), pg 18-19

Here's a great updated how-to guide on how to set up a Raspberry Pi from scratch to run OHB. I've been following this site ever since Elwood Downey, WB0OEW became a silent key.

<https://qso365.co.uk/2024/05/how-to-set-up-a-hamclock-for-your-shack/>

I've had club members reach out to me for help now that the *clearskyinstitute.com* backend server appears to be pretty much down for the count, and I'll be glad to help you out. Look at all this information I've compiled since February and contact me if you still have problems.

OHB Status: During July, a couple of times OHB had outages that were described as a denial of service attack. VOACAP maps wouldn't generate, nor would the VOA DE-DX matrix display in the Pane (if you had selected VOACAP to display, which I think everyone should). They worked furiously for several days, and the situation is stable right now. OHB has as of the week of July 27th released version 4.28 and 4.29 is in beta testing. A new interesting feature is linking your PiAware ADS-B node to a clickable icon on the front of HamClock (taking you to the webpage) or to ASDB.lol if you don't have a PiAware server. OHB is 100% compatible with both Linux-based HamClock clients and ESP8266-based hardware HamClocks up to version 3.10 (the latest).

HamClock.com Status: Development on the HamClock.com backend server has been continuing, but there's not much news to report. It works, and is compatible with the HamClock client software being written either legacy versions (up to 4.22) and newer OHB versions (currently 4.23 through 4.28). OHB-specific features being rolled out might not be implemented with the HamClock.com backend server. HamClock.com still doesn't adequately support ESP8266-based hardware HamClocks.

73, Ray [N8VMX](#)



ADS-B with a Raspberry Pi & RTL-SDR

Ray Hitt, [N8VMX](#)

I wanted to “move the football towards the end zone” regarding the subject of tracking aircraft’s ADS-B broadcast signals with a Raspberry Pi and an RTL-SDR (software defined radio). We’ve had a couple of ADS-B articles in past *Full Quieting* newsletters, and I have continued experimenting and have some new information to share. This information will certainly help you if you’re interested in implementing an ADS-B decoder of your own.

As a bit of review, the ADS-B signal is a modern signal that aircraft are mandated to use to broadcast their position and other telemetry to airports, other aircraft, and the general public. Basically, anyone with a suitable receiver and processing software in the radio line of sight of an aircraft can receive and process this signal. It’s a broadcast, not transmitted in response to an interrogation pulse like those used in other systems such as Mode S. All aircraft use the same frequency but transmit at such a low duty cycle that it reduces the probability of any aircraft interfering with another aircraft transmitting ADS-B nearby.

I built a Raspberry Pi-based ADS-B software decoder using a Raspberry Pi. I was inspired by John W8LRJ’s article in April 2024 (reprinted again in February 2026 in preparation for a BARC Tech Night presentation). I wrote about how to set up your own Raspberry Pi-based ADS-B receiver in April 2026’s *Full Quieting*.

At a high level, the ability to receive, process, and display ADS-B signals involves only a few elements; an antenna, a band-pass filter/preamp, an SDR, a Raspberry Pi, plus the PiAware software (see References listed above).



Lately I have been investigating which model of Raspberry Pi is best suited for running PiAware ADS-B software as a standalone headless machine. I have also been comparing the performance of the RTL-SDR V3 and the recently introduced RTL-SDR V4. I want to use the “best of breed” of Raspberry Pi and RTL-SDR for an outdoor unit I will be putting up on my tower this summer (once it ever cools off).

So, my goal here is to test the Pi-3 and Pi-5 to see if the Pi-5’s performance gain is worth the extra cost. Also, is there a significant enough performance difference between the RTL-SDR V3 and V4 to justify getting a V4? Until just recently, I didn’t have a way to simultaneously run the Pi-3 and Pi-5 with the RTL-SDR 3 and 4 to see this difference in real time. Before now, I ran the Pi-3 a few days,

What Is ADS-B?

Automatic Dependent Surveillance — Broadcast. Each aircraft works out its own position from onboard GPS and automatically broadcasts it — no radar interrogation needed. The Pulse-Position Modulated (PPM) signal is transmitted on 1090 MHz as a Mode S Extended Squitter.

1090 MHz

Broadcast frequency

2x / sec

Position updates

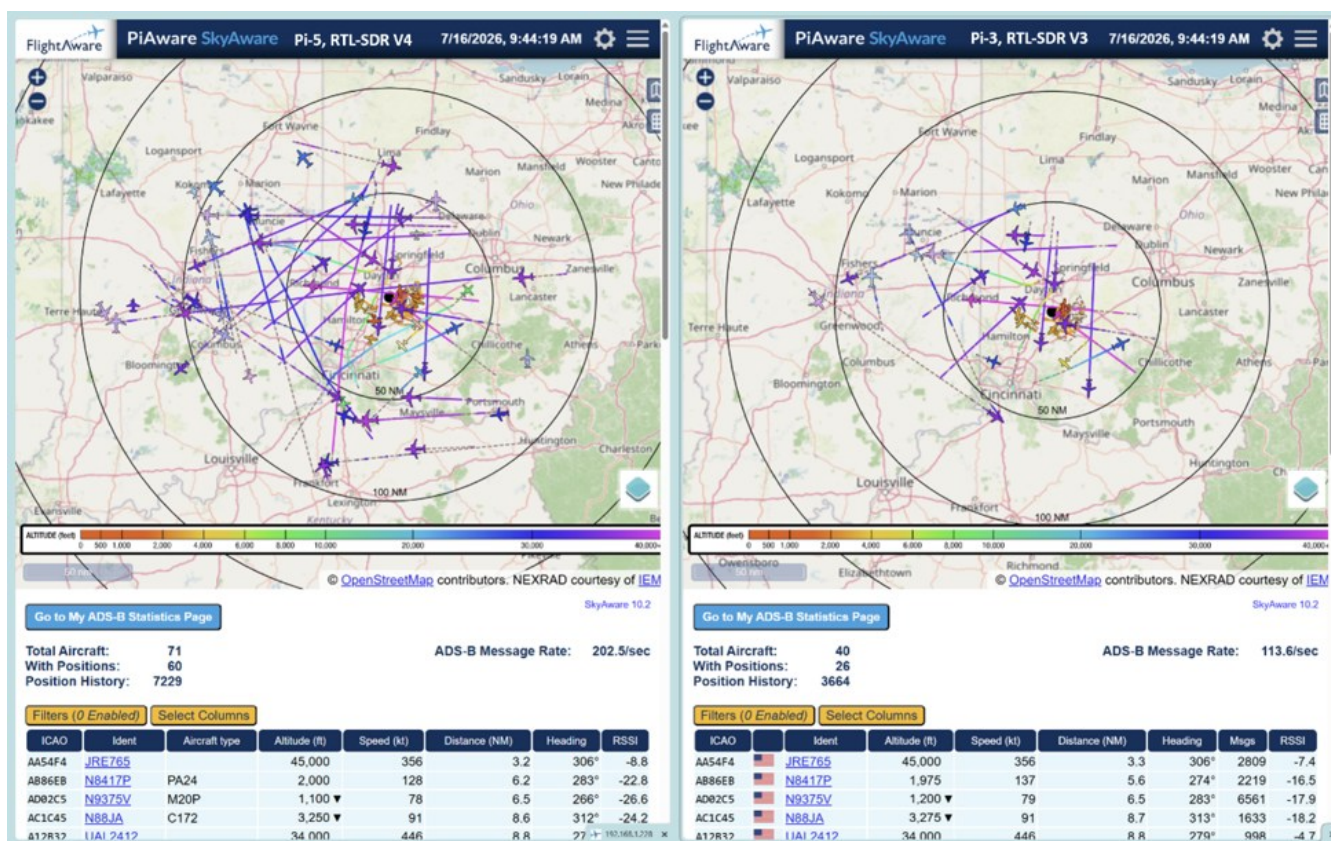
Typical reception range: 150–250 miles, line-of-sight to the horizon.



ADS-B with a Raspberry Pi & RTL-SDR (cont.)

then switched over to the Pi-5 for a few more days. Comparisons are hard to do because the flights are not the same day to day, even week to week, so you can't really make an accurate comparison. Running them side by side gives a startling clear picture of the performance differences that I want to show you.

The first picture is generated from a feature I didn't know Google Chrome has, called **split view**. I ran SkyAware from the Pi-5 on the left side and the Pi-3 on the right side. Here's a sample of what happens. There's a 77.5% increase in the number of aircraft tracked on the Pi-5 vs Pi-3:



I have recently been using a companion piece of software called **graphs1090** that runs alongside PiAware and allows you to generate statistics on the ADS-B data your Raspberry Pi has been processing. If you installed PiAware based on either John W8LRJ's article from April 2024 or my article from April 2026, you can certainly add graphs1090 to your PiAware setup. There's a setup script online, so you can install it with a one-line command:

```
sudo bash -c "$(curl -L -o - https://github.com/wiedehopf/graphs1090/raw/master/install.sh)"
```

Once this is installed, you can access it through the web page access, similar to how you access PiAware. For my Pi-3 install, the web page is at: <http://192.168.1.66/graphs1090>

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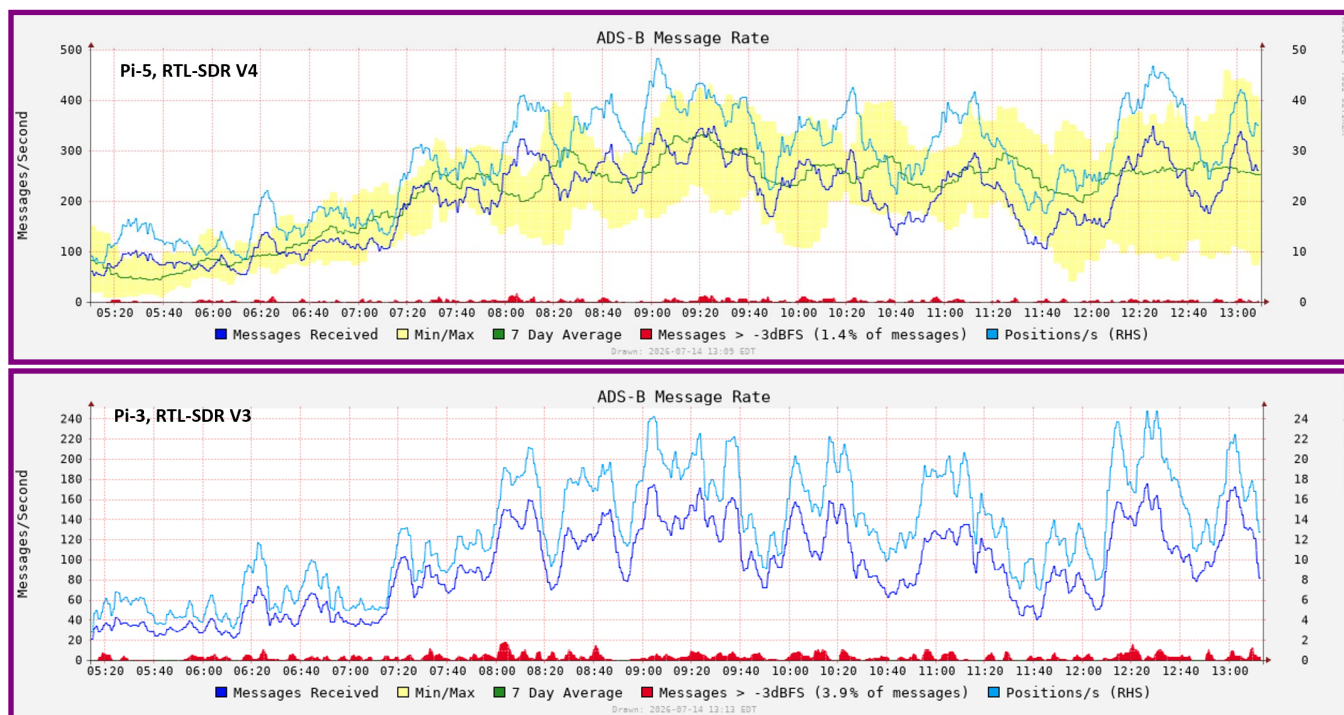


ADS-B with a Raspberry Pi & RTL-SDR (cont.)

On *graphs1090*, there are 16 different graphs generated from data collected in real time, going back as far as the point where it was installed. This data is never discarded, but is saved off daily onto your SD Card. It also modifies how data is written to the SD Card to avoid wear and tear by keeping the files in a RAM drive until midnight where it is written in a burst to the SD Card (also written on a controlled poweroff). The data collected are the following 16 graphs. The whole list is shown here, the specific graphs important to me in this article are highlighted in **bold**.

ASD-B Message Rate	ADS-B Aircraft Seen / Tracked	ADS-B Tracks Seen (8 minute exp. moving avg.)	ADS-B Range
ADS-B Signal Level	ADS-B Maxima	ADS-B Message Rate / Aircraft	ADS-B CPU Utilization
Misc (Gain)	Overall CPU Utilization	Maximum Temperature	Memory Utilization
Bandwidth Usage (wireless + ethernet)	Disk Usage (/)	Disk IO - IOPS	Disk IO - Bandwidth

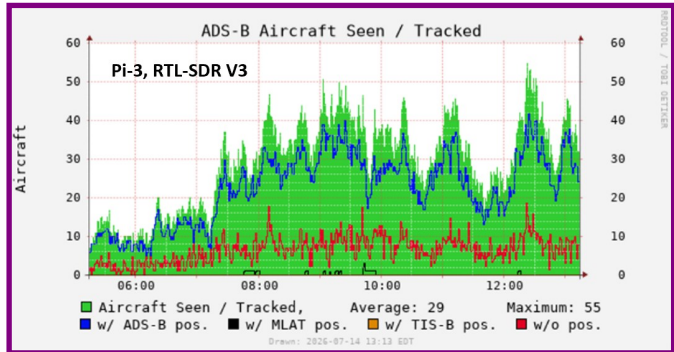
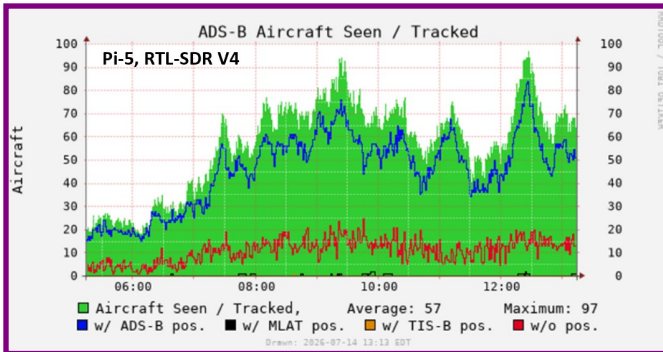
ADS-B Message Rate: These two graphs (below) show how many ADS-B messages are processed per second (left axis) and how many aircraft positions are processed per second (right axis). The top graph is for the Pi-5 with RTL-SDR V4 and the bottom graph is for the Pi-3 with RTL-SDR V3. Notice the graph scales are different; from 0-500 messages/sec for the Pi-5 and 0-240 messages/sec for the Pi-3. The Pi-5 is capable of processing more than twice as many messages per second than the Pi-3.



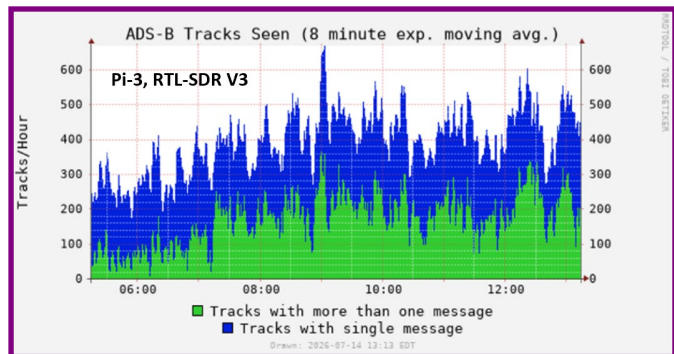
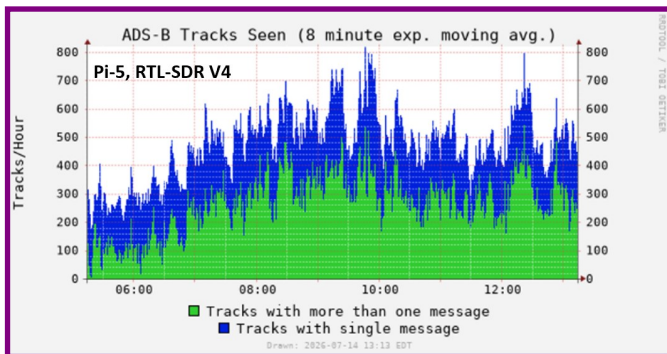
ADS-B with a Raspberry Pi & RTL-SDR (cont.)

Continuing discussion on the previous charts, the red graph lines along the bottom of both charts indicate percentage of messages within 3 dB of full scale. The Pi-3 has 3.9% of messages within 3 dB of full scale, but only 1.4% of messages for the Pi-5. This indicates to me that the RTL-SDR V4 partnered with the Pi-5 has more messages at lower signal levels and can process signals further away than the Pi-3 partnered with the RTL-SDR V3. This is an indication of the improved design of the V4 over the V3 RTL-SDR. More testing is required to confirm if that hypothesis is true.

ADS-B Aircraft Seen/Tracked: The Pi-5 (left) and Pi-3 (right) simultaneously tracked a different number of aircraft in the same exact time period. For the Pi-5 the max is 97 aircraft while for the Pi-3 it was 55. The Pi-3 misses almost half the aircraft that are seen by the Pi-5.

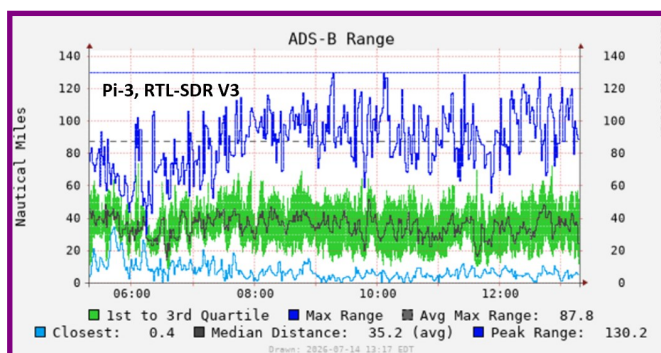
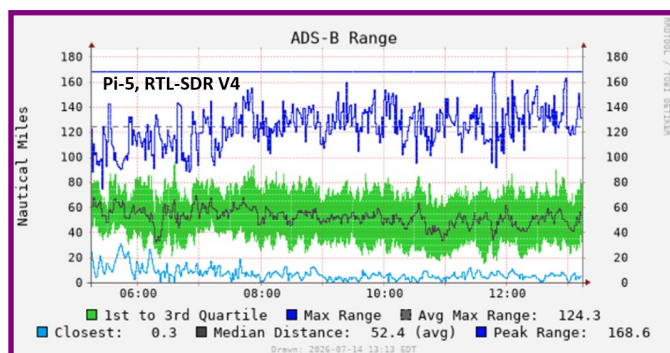


ADS-B Tracks Seen (8 minute exp. moving avg.): This displays the number of tracks per hour, smoothed by an 8 minute exponential moving average. The blue lines show the number of tracks that were a single message versus the green line indicating multiple messages per track. It's generally an indicator of a better receiver and processor to have less single message tracks, here the Pi-5 / RTL-SDR V4 combination is better. Testing the Pi-5 with an RTL-SDR V3 should show if it is the processor or SDR contributing mostly to this improved performance.

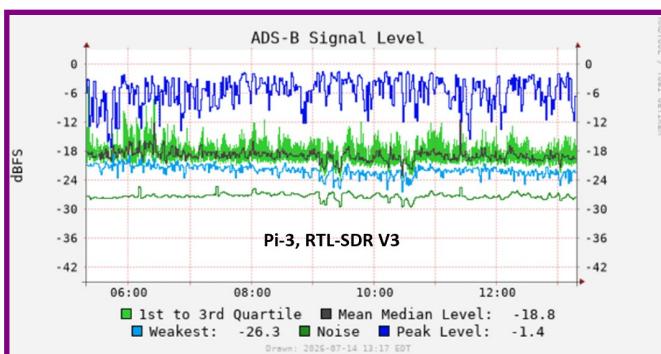
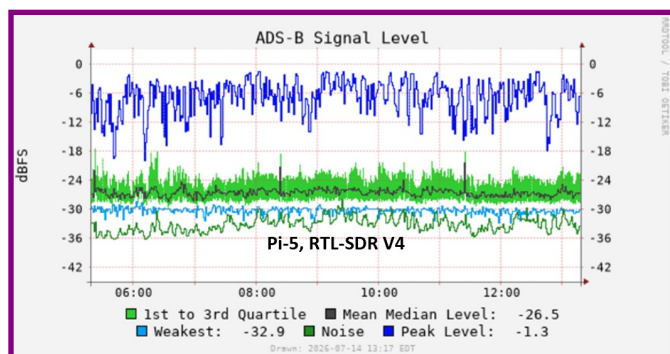


ADS-B with a Raspberry Pi & RTL-SDR (cont.)

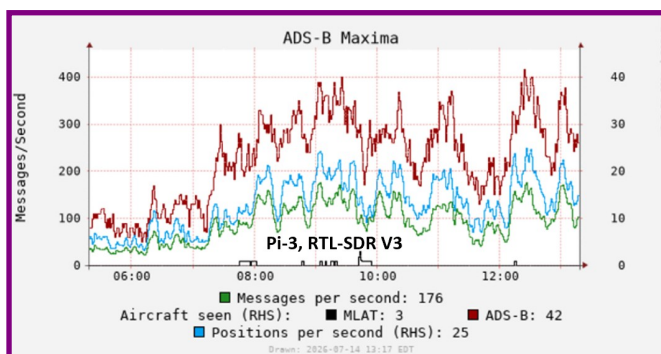
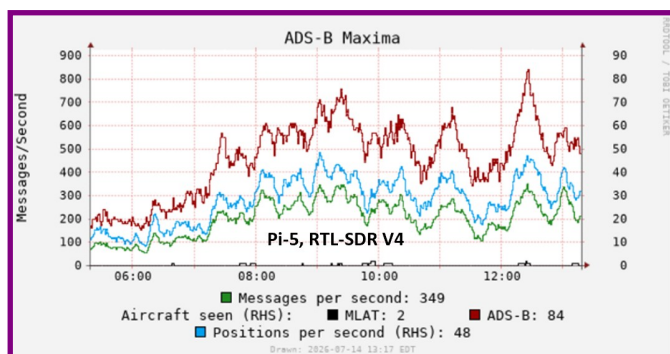
ADS-B Range: This gives a spread of the min and max reception range from the aircraft to your position. Additionally, the green shading shows where between 25-75% of the ranges fell. The Pi-5/RTL-SDR V4 had 40 nm further max range and 17 nm further median range than the Pi-3/RTL-SDR V3.



ADS-B Signal Level: These graphs show the highest and lowest ADS-B signals received by the RTL-SDR, expressed as dB below full scale (dBFS). This chart most clearly shows the differences between the RTL-SDR V4 (left) and RTL-SDR V3 (right). The autogain feature was used on both receivers, and the peak level on them both was -1.3 or -1.4 dBFS, tracking very closely to each other. However, the weakest was -32.9 dBFS for the RTL-SDR V4 but 6.6 dB higher at -26.3 dBFS for the RTL-SDR V3. The V4 has more dynamic range than the V3.

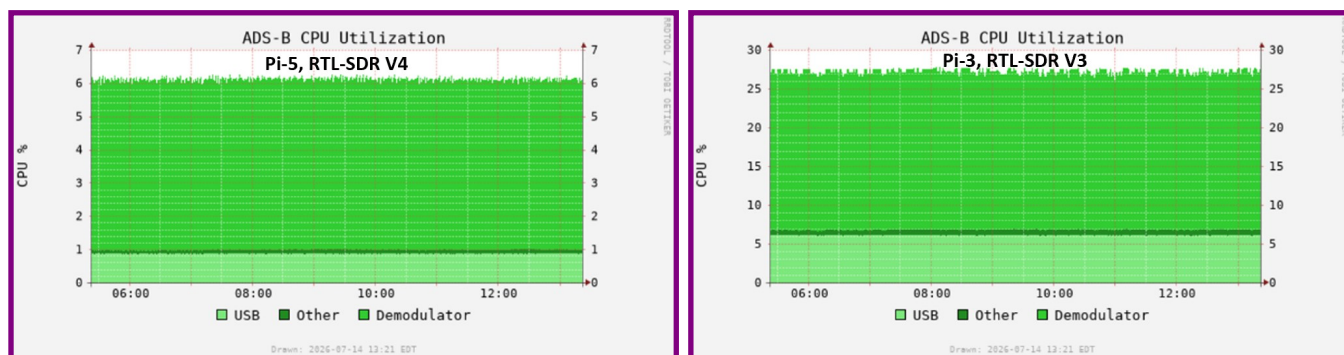


ADS-B Maxima: These graphs display the max number of messages per second, max number of aircraft seen at once, and max number of positions calculated per second. Across all these parameters, the Pi-5 performed nearly twice as well as the Pi-3. This is a good parameter to really summarize how capable the processing is in the Pi-5 versus the Pi-3.



ADS-B with a Raspberry Pi & RTL-SDR (cont.)

ADS-B CPU Utilization: This shows the CPU usage for the various components of the ADS-B software—USB, demodulator, and other components. No surprise, the Pi-5 is not as heavily loaded as the Pi-3; 6% versus 27% for the Pi-3. This tracks nicely with the fact that the Pi-3 is dropping tracks compared to the Pi-5. Also, the USB uses slightly more as a percentage on the Pi-3 versus the Pi-5. The Pi-5 has improved USB-3 hardware versus USB-2 on the Pi-3. The Pi-3 requires more processor to handle USB traffic than the Pi-5. In short, the Pi-5 is better equipped for handling heavy USB traffic.



Summary: Across the board, the Pi-5 outperformed the Pi-3. Some downside issues would be that it costs more than the Pi-3. For example, as I write this, the list price for a 1GB Pi-3 is \$35 and for a 1GB Pi-5 is \$45. Note that supply chain shortages are impacting the prices for both of these boards. Some resellers are contractually obligated to not mark up their price, so as a result they may always be out of stock. Plan ahead if you need to get a Pi-5 and you'll save as a lot of money.

Another factor to consider in my case is that the end application is to be mounted high atop my tower in a vented water resistant case. Power will be provided via Ethernet and Wi-Fi will not be used. In this scenario, it makes even more sense to use the Pi-5 because of its superior USB and Ethernet with dedicated chips versus the Pi-3 which uses the processor heavily for USB and Ethernet, providing a bottleneck that can be seen when the message traffic increases during peak times of day.

There is also a significant across-the-board improvement between the RTL-SDR V4 and its predecessor the RTL-SDR V3. Unfortunately, I just found out that the RTL-SDR V4 is end-of-line, they have consumed all the Rafael R828D chips that exist, and they are no longer made. The RTL-SDR V3s are still available and a V5 is in design but no announced date of availability yet. [Details at this link.](#)

Once I build, test and install the final version of the Pi-5 / RTL-SDR V4 ADS-B decoder, I'll generate some more results and let you see the magnitude of improvement you can see when you get your antenna into the air outside and at a higher elevation. Stay tuned, and buy your parts now!

73, Ray [N8VMX](#)

References:

Building a PiAware ADS-B Decoder, John Westerkamp, [Apr 2024 Full Quieting](#), pg. 20-22

My Experience With PiAware ADS-B Software, Ray Hitt, [Apr 2026 Full Quieting](#), pg. 22-26



Special Event Stations for August

Paul Sharp, [WS8R](#)

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

http://www.arrl.org/special_events/search/page:2/model:Event.

https://www.qsl.net/va3rj/spevents_dx.html. This link list a lot of SES in Europe and Russia.

Here is my pick of the litter of SES that I think will be of interest to my fellow BARC members. We really hit the jackpot this month with lots of interesting and varied SES. There are SES commemorating: Threshing & Antique Tractors, Micro-Cars, The Indiana State Fair (my personal favorite to visit), Navajo Code Talkers (who helped win WWII), Port Clinton Lighthouse Activation, Civil rights in Pa., Commemoration of the end of WWII, and many others.

- **08/01/2026 | 1813 Battle of Fort Stephenson.** Aug 1, 1100Z-1700Z, W8B, Fremont, OH. W8NCK. 7.040 7.265 14.040 14.265. Certificate. David Dyke, KZ4CW, 2783 E. State St, Fremont, OH 43420.
- **08/05/2026 | King Midget Micro-Car 80th Anniversary.** Aug 5-Aug 9, 0000Z-2359Z, K8M, Athens, OH. Athens Co. OH ARA. 7.245 14.245. QSL. K8M, 97 Columbia Ave, Athens, OH 45701. Celebrating the smallest street-legal motor car ever made in America. <https://K8M.info>
- **08/06/2026 | Mid America Threshing & Antique Tractor Show.** Aug 6-Aug 8, 1600Z-2200Z, W9T, Tipton, IN. Tipton County Indiana Amateur Radio Club. 7.225 MHz 14. 225 MHz 21. 325 MHz 28. 425 MHz. QSL. Tipton County Indiana Amateur Radio Club, 3229 S 110 W, Tipton, IN 46072-8912. k9trc.org
- **08/07/2026 | Indiana State Fair.** Aug 7-Aug 23, 1600Z-2359Z, W9ISF, Indianapolis, IN. Indiana State Fair ARC. 7.240 14.240 21.300 28.400. QSL. Ken Bandy, 7405 E County Road 900 N, Brownsburg, IN 46112. We'll be on as much as possible during the run of the Fair. ken.kj9b@gmail.com
- **08/07/2026 | Lee DeForest Special Operating Event 2026.** Aug 7-Aug 10, 0800Z-0759Z, K6L, Hemet, CA. Lee DeForest Amateur Radio Club . 7.238 14.265 18.125 21.370. Certificate & QSL. LDARC, P.O.BOX 491, San Jacinto, CA 92581. Lee De Forest Amateur Radio Club, K6LDF, will operate special event station K6L from Hemet, California, August 7-9, 2026, honoring Lee De Forest, inventor of the Audion tube and pioneer of radio technology. Stations contacting K6L may receive a commemorative eQSL/QSL card and certificate information through the event page. <https://www.k6ldf.com/lee-de-forest-special-event>
- **08/08/2026 | Navajo Code Talkers Day.** Aug 8-Aug 14, 0024Z-0004Z, N7HG, Chinle, AZ. N7HG. 14.265 7.265. Certificate. Herbert Website HRO Goodluck, PO Box 06, Chinle, AZ 86503. Celebrating Navajo Code Talkers day.



Special Event Stations for August (continued)

- **08/08/2026 | NOARC Youth Lighthouse Activation.** Aug 8-Aug 9, 1300Z-0200Z, W8CSO, Grand Haven, MI. North Ottawa Amateur Radio Club. 14.060 14.237 7.225 28.320. QSL. NOARC, PO Box 976, Grand Haven, MI 49417. invite all youth interested in participating in this year's ARLHS US National Lighthouse-Lightship Weekend (<https://arlhs.com/>). This youth-only event will be on August 8th, at the inner (ARLHS ID# USA 1077) and outer (ARLHS ID# USA 1078) Grand Haven, Michigan, lighthouses on the Grand Haven South Pier. The on-air activation of the lighthouses will begin at 9am, with plans to operate into the late evening. It will allow young operators the opportunity to use amateur radio equipment from inside the lighthouses to make contact with other stations all over the world. This event has been made possible with support of the Grand Haven Lighthouse Conservancy (<https://www.ghlighthouse.com/>). Look for NOARC's club call, W8CSO, on all open HF bands during the event. Informative QSL cards showcasing the beautiful lighthouses and their history, will be available upon request to those that make a contact during the event. See W8CSO's website or QRZ page for more information, or contact the event chairman directly at: CQ.N8GMZ@gmail.com www.W8CSO.org
- **08/08/2026 | Operation PAUL BUNYAN (8-21-1976).** Aug 8, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway Museum Ship CV-41 COMEDTRA NI6IW. 7.250 14.320 14.070 PSK31 DStar on PAPA System Repeaters. QSL. USS Midway Ship Museum CV-41 COMEDTRA NI6IW, 910 N Harbor Drive, San Diego, CA 92101.
- **08/08/2026 | Radio Day at Keystone Truck and Tractor Museum.** Aug 8, 1400Z-1800Z, K5HTZ, Colonial Heights, VA. Keystone Truck and Tractor Museum. 14.250 7.225. QSL. Kathleen DeMajo Adams (The Radio Lady), 880 West Roslyn Road, Colonial Heights, VA 23834.
- **08/09/2026 | Jackson County Fair, 6th Annual Exposition 172nd Entertainment Edition.** Aug 9-Aug 15, 1021Z-1021Z, W8J, Jackson, MI. Cascades Amateur Radio Society. SSB; CW, FT8; 35 KHz from bottom of General Bands . QSL. Cascades Amateur Radio Society, PO Box 512, Jackson, MI 49204. <https://w8jxn.org>
- **08/15/2026 | 50th Anniversary of the Middletown & Hummelstown Railroad.** Aug 15, 0800Z-1300Z, W3R, Middletown, PA. Central Pennsylvania Repeater Asso. 7.050 7.190 14.025 14.260. QSL. Richard Lenker, 3809 Griffin Lane, Harrisburg, PA 17110. We request you apply on the W3nd.org Web site for your card. We will check it agents the logs. We will be sitting in a 1920's dinning car making contacts. I will be on the IRLP link 7060 from Harrisburg. Look for us on Voice, CW, and FT-8 Richard KB3YRC W3nd.org
- **08/15/2026 | Deltana Fair Special Event Station.** Aug 15-Aug 17, 1800Z-0100Z, KL7DRC, Delta Junction, AK. Delta Amateur Radio Club (DARC). 14.250 14.320. Certificate. Delta Amateur Radio Club, PO Box 1061, ATTN: KL7DRC Special Event Station, Delta Junction, AK 99737-1061. Join the Delta Amateur Radio Club operating Special Event Station KL7DRC from the Deltana Fairgrounds in Delta Junction, Alaska. QSO contacts may request a special certificate for verified contacts on either day of operation. <https://www.kl7drc.org>



Special Event Stations for August (continued)

- **Port Clinton Lighthouse Activation.** Aug 15, 1400Z-2100Z, W8GNM/8, Port Clinton, OH. Port Clinton Lighthouse Conservancy. 7.225 14.313 21.350 28.600. QSL. Geoff Mendenhall -W8GNM/8, LoTW Only for QSL, Port Clinton, OH 43452. Port Clinton Lighthouse activation on Saturday, August 15th, 2026 from 14:00 to 21:00 UTC W8GNM/8 will be QRV from the Port Clinton Lighthouse during the Port Clinton Lighthouse Festival at Port Clinton, OH (ARLHS USA-922). Grid Square: EN81mm (<http://arlhs.com/events/>) International Lighthouse/Lightship Weekend Aug 15, 2026 at Port Clinton, OH. (US 0228) (<https://wllw.org/index.php/list-3>) Port Clinton Lighthouse Conservancy (<http://portclintonlighthouse.org/>) Check web clusters for specific frequencies: Typical 40m frequencies were 7.225 or 7.235 Typical 20m frequencies were 14.313 or 14.335 Typical 15m frequencies 21.350 or 21.440 15m FT8 on 21.074 (not F/H) Typical 10m frequencies 28.600 or 28.615T8 on 21.074 (not F/H) QSL via LoTW only to W8GNM/8. Operators: Geoff - W8GNM, Jay - K8CJY portclintonlighthouse.org
- **08/15/2026 | Steamboat Nannie Byers Disaster of 1866.** Aug 15, 1400Z-2200Z, N9B, Madison, IN. Clifty Amateur Radio Society (W9EFU). 28.328 14.325 7.250 20 meter and 10 meter FT8. Certificate. Jerry Barnes, 601 Spring Street, Madison, IN 47250. Remembering the lives lost during the collision and sinking of the Steamboat Nannie Byers with the steamer E.C. Hillman around 2:30 AM on the Ohio River within eyesight of Madison Indiana. Unique eCertificate will be sent to operators email listed in QRZ. See our QRZ and FB page for details. Jerry Barnes (KA9PIJ), 601 Spring Street, Madison, IN 47250.
- **08/17/2026 | Chuck Berry 100th Birthday Special Event.** Aug 17-Aug 18, 0000Z-2359Z, W0B, St. Louis, MO. St. Louis and Suburban Radio Club. 7.180 14.250 28.350. Certificate & QSL. Special Event W0B, c/o Jim Briggs, 19429 Quarry Road, Warrenton, MO 63383.
- **08/22/2026 | NS Savannah Maiden Voyage Anniversary.** Aug 22, 1330Z-2100Z, K3S, Port of Baltimore. Nuclear Ship Savannah ARC. 7,14,18,21,28 MHz. QSL. Ulis Fleming, 980 Patuxent Road, Odenton, MD 21113. qrz.com/db/k3s
- **08/29/2026 | Auburn Cord Duesenberg Festival Special Event Station.** Aug 29-Sep 12, 1300Z-2300Z, K9A, Auburn, IN. Northeastern Indiana Amateur Radio Association. 7.180MHz 14.250MHz 28.350 MHz. Certificate & QSL. Northeastern Indiana Amateur Radio Association, P.O. Box 145, Auburn, In 46706-0145. W9OU@W9OU.ORG
- **08/29/2026 | Buhl Farm Park Celebration.** Aug 29-Sep 7, 0000Z-2359Z, W3LIF, Hermitage, PA. Mercer County Amateur Radio Club. 7.185 7.074. QSL. Mercer County Amateur Radio Club, PO Box 996, Sharon, PA 16146. Mercer County Amateur Radio Club is celebrating BUHL DAY, the 111th Anniversary of Buhl Farm Park, which covers 300 acres donated to the Shenango Valley community by Frank Buhl a local industrialist, for the use and recreation purposes. Check the www.w3lif.org webpage for scheduled times of W3B operation or the QRZ website for W3B for more information. As conditions permit you will find operators at various times on from August 29 to all day on September 7, 2026 www.w3lif.org



Special Event Stations for August (continued)

- **08/29/2026 | Commemoration of the end of WWII.** Aug 29-Sep 2, 0000Z-2359Z, W5J, Meridian, MS. Meridian Amateur Radio Club (MS). 14.230. QSL. Larry Anderson, 6674 Highway 19 N., Meridian, MS 39305. Commemoration of the End of WWII, 81 Years Ago. 80-10 meters, SSB, CW, FT8 Very nice picture QSL Card available <https://forums.grz.com/index.php?threads/w5j-the-vj-day-special-event-commemoration-of-the-end-of-wwii.992749>
- **08/29/2026 | MYERS FAMILY - LEVITTOWN CIVIL RIGHTS - AUGUST 1957.** Aug 29-Aug 30, 1200Z-0200Z, W3M, Feasterville Trevose, PA. PENN WIRELESS ASSOCIATION. 7.200 14.250 18.135 146.79 -0.6 131.8PL REPEATER. QSL. PENN WIRELESS ASSOCIATION, PO BOX 925, Levittown, PA 19058. In August 1957, Daisy and William Myers and their three children became the first Black family to move into Levittown in the Dogwood Hollow section. They endured weeks of harassment before the state intervened to protect them. Daisy Myers became known as the "Rosa Parks of the North" and a fair-housing civil rights leader. This is one of the early civil-rights fights of the era and the most nationally significant event in Levittown's history. Key dates within the event: August 15, 1957 — Governor George Leader ordered State Police to Levittown. August 20, 1957 — commonly cited as the date the family became the first African American residents. August 26, 1957 — protesters dispersed and the State Police withdrew. WWW.PENNWIRELESS.ORG
- **08/29/2026 | The Battle of Brooklyn at the Old Stone House.** Aug 29-Aug 30, 1018Z-1018Z, W1B, Brooklyn, NY. Kings County Radio Club NY. 14.270. QSL. Lloyd Westerman, PO Box 174, Woodstock, NY 12498. <https://www.kingscountyradioclub.com>



Answers to Amateur Radio Test Questions from pages 37-39

[Technician \(pg. 37\)](#)

T5D13 (A)

T7C07 (C)

T5D01 (B)

T5A03 (D)

[General \(pg. 38\)](#)

G9A07 (D)

G5C05 (B)

G1A11 (B) [97.301]

G2E02 (B)

[Amateur Extra \(pg. 39\)](#)

E7F07 (C)

E6E10 (D)

E2A04 (B)

E4A09 (A)



Amateur License Test Questions

[Answers are on page 36](#)

Technician

T5D13

In which type of circuit is the current always the same through all components?

- A. Series
- B. Parallel
- C. Resonant
- D. Branch

T7C07

What happens to power lost in a feed line?

- A. It increases the SWR
- B. It is radiated as harmonics
- C. It is converted into heat
- D. It distorts the signal

T5D01

What formula is used to calculate current in a circuit?

- A. $I = E \times R$
- B. $I = E / R$
- C. $I = E^2 \times R$
- D. $I = E^2 / R$

T5A03

What is the term for the flow of electrons in an electric circuit?

- A. Voltage
- B. Amperes per second
- C. Volts per second
- D. Current

(Continued on next page)



Amateur License Test Questions (continued)

[Answers are on page 36](#)

General

G9A07

What must be done to prevent standing waves on a feed line connected to an antenna?

- A. The antenna feed point must be at DC ground potential
- B. The feed line must be an odd number of electrical quarter wavelengths long
- C. The feed line must be an even number of physical half wavelengths long
- D. The antenna feed point impedance must be matched to the characteristic impedance of the feed line

G5C05

Why is the primary winding wire of a voltage step-up transformer usually a larger size than that of the secondary winding?

- A. To improve the coupling between the primary and secondary
- B. To accommodate the higher current of the primary
- C. To prevent parasitic oscillations due to resistive losses in the primary
- D. To ensure that the volume of the primary winding is equal to the volume of the secondary winding

G1A11

When General class licensees are not permitted to use the entire voice portion of a band, which portion of the voice segment is available to them?

- A. The lower frequency portion
- B. The upper frequency portion
- C. The lower frequency portion on frequencies below 7.3 MHz, and the upper portion on frequencies above 14.150 MHz
- D. The upper frequency portion on frequencies below 7.3 MHz, and the lower portion on frequencies above 14.150 MHz

G2E02

What is VARA?

- A. A low signal-to-noise digital mode used for EME (moonbounce)
- B. A digital protocol used with Winlink
- C. A radio direction finding system used on VHF and UHF
- D. A DX spotting system using a network of software defined radios



Amateur License Test Questions (continued)

[Answers are on page 36](#)

Amateur Extra

E7F07

What function is performed by a Fast Fourier Transform?

- A. Converting analog signals to digital form
- B. Converting digital signals to analog form
- C. Converting signals from the time domain to the frequency domain
- D. Converting signals from the frequency domain to the time domain

E6E10

What advantage does surface-mount technology offer at RF compared to using through-hole components?

- A. Smaller circuit area
- B. Shorter circuit board traces
- C. Components have less parasitic inductance and capacitance
- D. All these choices are correct

E2A04

What is meant by the “mode” of an amateur radio satellite?

- A. Whether the satellite is in a low earth or geostationary orbit
- B. The satellite’s uplink and downlink frequency bands
- C. The satellite’s orientation with respect to the Earth
- D. Whether the satellite is in a polar or equatorial orbit

E4A09

Which of the following is good practice when using an oscilloscope probe?

- A. Minimize the length of the probe's ground connection
- B. Never use a high-impedance probe to measure a low-impedance circuit
- C. Never use a DC-coupled probe to measure an AC circuit
- D. All these choices are correct



Editorial Policy and Style Guidelines for *Full Quieting*

Editorial Policy

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

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

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

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

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

Style Guidelines

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

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

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

(Continued on next page)



Editorial Policy and Style Guidelines for *Full Quieting*

(Continued from previous page)

Use these style conventions

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

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

Use these formatting conventions:

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



Miscellaneous BARC Info

REGULARLY SCHEDULED NETS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ZOOM-Basic Setup & Configuration

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

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

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

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



Directions to BARC Clubhouse and Radio Room

St. Pierre Education Center
3757 Upper Bellbrook Rd
Bellbrook, OH 45305

[Map Link](#)

Park in front of building, enter in front-right door.

Conference room: Take first hallway to the left, conference room is on the right. **Radio Room:** Straight down hallway, left turn into gym. Door on left.

