



Full Quieting



The Official Journal of The Bellbrook Amateur Radio Club

March 2022 — Issue 7

President's Podium

Lots of activity at BARC!

Jim Dean, **W8UD**, hosted the first of many Operating Afternoons at BARC on Sunday, 6 Feb 2022. We focused on Parks On The Air with 6 members making 20 contacts.



The Executive Committee met on Monday, 31 Jan. We reviewed the results of the survey and developed specific recommendation that we presented to the Planning Committee on 7 Feb. At the General Meeting on 17 Feb 2022, we presented the action items to the BARC membership.

Don Parker, Jr. Director, **KB8PSL**, Stu Holzer, **K8ST**, and Ken Gunton **W8ASA**, conducted a Financial Audit for 2019, 2020, and 2021. They each reviewed 4 months of each year of income and expenses and found all funds and expenses accounted for with no discrepancies.

John Westerkamp **W8LRJ** and Tim Procniar, **N8NWH** successfully tested and installed the new repeater! A big Thanks to Tim for letting us borrow his repeater.

Jim Totten, **WA8HUB**, our former President, has agreed to restart the famous Lunch Bunch.

Tink Siwecki, **KD8NUA**, agreed to restart Movie Night. Details to follow.

Glen Rodgers, **KE8LZD**, is the new Greeter for BARC Meetings.

We developed and e-mailed a Minimum Operational Requirements Document for the BARC Communications Center on 12 Feb 22.

Renewed equipment insurance for another year.

Will be printing name tags for all BARC members.

Ryan McClure, **KE8DKC**, volunteered to be new talk in person to open the gym door for anyone who cannot navigate the stairs. Call on 147.045 and he will open the gym door.

Paul Sushereba, **KE8SZD**, has volunteered to run the Zoom session at the Membership meetings, relieving John Westerkamp.

License training classes started on 20 Feb 2022.

73, Paul, KD8OPN, President

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2022 BARC Officers and Directors

President: Paul Sharp, [KD8OPN](#)
Vice President: Ken Moak, [KM8AM](#)
Secretary: Jim Gifford, [KD8APT](#)
Treasurer: John Westerkamp, [W8LRJ](#)
Senior Director: Jacalyn Parrett, [KE8LZE](#)
Junior Director: Don Parker, [KB8PSL](#)

2022 Coordinators

Clubhouse: Jim Lusk, [KC8EFD](#)
Comm Center: Ken Moak, [KM8AM](#)
Contesting: Ken Gunton, [W8ASA](#)
Education: Jim Dean, [W8UD](#)
Emerg Preparedness: Roger Parrett, [NQ8RP](#)
Field Day: Ray Hitt, [N8VMX](#)
Full Quieting Editor: Ken Moak, [KM8AM](#)
Hospitality & Librarian: Natinka Siwecki, [KD8NUA](#)
IT: Sean Dickens, [K8SPD](#)
Net: Paul Sharp, [KD8OPN](#)
Public Service: Don Parker, [KB8PSL](#)
QSLs: Roger Hoffman, [WB9BXT](#)
Repeater: Russ Roysden, [N8NPT](#)
TechNight/Workbench: Trevor Clarke, [K8TRC](#)
Webmaster: John Westerkamp, [W8LRJ](#)

BARC Net: Every Sunday, 8 PM Local

147.045 (+) (no PL) [Alt = 443.675]

Directions to BARC Clubhouse and Comm Center

Rooms 1 & 3 Lower Level Sugar creek Elementary School
51 S. East Street, Bellbrook (One block east & one block south from the traffic light in downtown Bellbrook)
Enter at South end of building

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

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

From the Editor

Hello BARC,

What a February! We learned a lot from the Membership and the Operational Requirements Surveys. Next comes the station redesign. I think you'll be impressed.

As the *Full Quieting* Editor, my responsibility is to provide a voice to you, our members. **This column is available to all of you if you want to submit a Letter To The Editor.** We'll print it exactly as written so your opinions and views will go directly to BARC. No special formatting is needed, just send it to me. We'd love to hear from you.

Another part of being an Editor is to stand up to voice observations that others may have, but don't want to voice in public. I'll do this without hesitation when needed.

My other role is being the current BARC Vice President under Paul. This requires me to separate personal views from my responsibilities to BARC. As a former military member, like many of you, I was trained to perform a mission for our country while separating personal beliefs. I'm dedicated to this duty to you.

At your service.....

73, Ken, [KM8AM](#)

937-408-6672

THIS IS YOUR BARC JOURNAL

Please send in those snippets and pictures that can help fill *Full Quieting*

It only takes a few minutes.....



Ah, What's Up BARC?

Ken Moak, [KM8AM](#)

What's Up BARC?



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

BARC Net Stats by Paul, [KD8OPN](#)

30 Jan:	13 Mbrs.	28 Min.
6 Feb:	13 Mbrs.	21 Min.
13 Feb:	8 Mbrs.	20 Min.
20 Feb:	20 Mbrs.	38 Min.



Welcome to BARC:

- Ed Collins, N8NVY (Extra)
- Chuck Gelm, NC8Q (Extra)

- **Art Wright, KE8TYZ**, a recent new member, who passed both the Technician and General Class License exams last Saturday. WOW! Congratulations, Art!
- **Gary Kendall, KD8RFN**, upgraded to General. Congrats Gary!!!
- **Paul, [KD8OPN](#)**: On 30 January 2022, I contacted **PH9HB**, Jerry, on 17 m, flying a Boeing 737 at 38,000 feet over Madrid, Spain flying to the Netherlands. Here is a photo of his airborne ham shack. Check out his QRZ and web page for more details about the antenna.



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Ah, What's Up BARC?

Ken Moak, [KM8AM](#)

What's Up BARC?



Lunch Bunch is back!

For our new members, the Lunch Bunch met once a week on Thursday at a different restaurant for lunch, social time, and of course unbelievable tales of ham radio fabrication. Family members were, and are, invited to attend. When Covid 19 hit, we stopped meeting for lunch.

Jim Totten, [WA8HUB](#), our most recent President and past Lunch Bunch coordinator said he would be more than glad to head up the new Lunch Bunch. Thank you Jim.

If you're interested in participating in the Lunch Bunch, please send an e-mail to Jim Totten, wa8hub@arrl.net with an info to Paul, psharp1@woh.rr.com. Jim will work his culinary magic and get in touch with you with the details.

NEW BARC On-line Member Forum

The Bellbrook Amateur Radio Club now has an on-line forum where members can ask questions about amateur radio and get answers from club Mentors and Tech Experts.

There are also areas for discussion and announcements for club members who are activating in a park, putting up an antenna, rearranging their shack, or any event at all so other club members can join in and make it a fun social event.

The BARC Member Forum is under the Membership tab at the top of the website.

BARC's building interest in CW prompted George, [KE8SNS](#), to suggest forming a slow speed CW practice group.

There are many ways to get together including using the club resources, VHF simplex, ZOOM, or other others. There are folks at the club that will help the group connect for practice.

If you're interested in getting together to practice CW in a slow speed, non-competitive environment, please contact George at gas0244@aol.com

73, Ken, [KM8AM](#)
937-408-6672



Club House News

News and events regarding Activities at the BARC Clubhouse

145.045 Repeater Status: **INSTALLED**

The new BridgeCom BCR-50V (136-174 MHz) VHF repeater is on line running 30 Watts output. EchoLink is also working. John, **W8LRJ**, helped run 600' of new Spectrum line to the repeater!



Unfortunately, John has not worked out all the bugs from AllStarLink yet. It will transmit out, and he can connect it to other AllStarLink nodes, but he's unable to control it using DTMF codes.

He'll keep working on it and let us know when it is ready.

BARC Amplifier Status: **Reinstalled at Station 4**

The BARC Ameritron ALS-600PS is repaired and back at the club.

Please read the Quick Start guide before you use the amp.

There are practical power limits for this amplifier in the CW and RTTY/FT8 modes.



Here's are quotes from the manual: "**CW Operation**: The exciter output should be restricted to a level that **limits the amplifier to 500 watts output on a steady carrier or 50 watts reflected power**, whichever is greater" Also: "Note: Ensure that you **limit your ALS-600 output power to 350 watts maximum for RTTY or other continuous carrier modes.**" This includes FT8.

73, Ken, [KM8AM](#)



Officer, Director, and Coordinator Inputs

BARC has six Officers and Directors and 15 Coordinators

- Some have monthly columns, and the rest can use this space to let you know what they're doing and what's happening in their areas of responsibilities.
- This space exists because our BARC Membership Survey 2022 suggested the Membership would like more information on what's happening in the club.
- Feel free to contact them if you have specific requests. All their emails are listed and hyperlinked.

- **President: Paul Sharp, [KD8OPN](#): [See Page 1](#)**
- **Vice President: Ken Moak, [KM8AM](#):** The results of the BARC Membership Survey and the associated action items were briefed at the Feb 22 club meeting. Additionally, the BARC Operational Requirements Survey is complete. The draft list of programs is in work pending commitments by presenters.
- **Secretary, Jim Gifford, [KD8APT](#):** Prepared and disseminated all BARC meeting minutes. Working with Roger, [WB9BXT](#) to transfer BARC QSL card responsibilities
- **Treasurer: John Westerkamp, [W8LRJ](#):** Let me begin by thanking every member who has already renewed their membership for 2022. We have over 90% renewal so far! You still have time to submit your dues for 2022 by March 1. Yearly dues are \$15 per person and \$18 per family. Make your check out to BARC and send it to **P.O. Box 73, Bellbrook, OH 45305**, or use PayPal and send your payment to w8lrj@arrl.net.
- **Senior Director: Jacalyn Parrett, [KE8LZE](#) :** No Input
- **Junior Director: Don Parker, [KB8PSL](#):** No Input

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Officer, Director and Coordinator Inputs

- **Clubhouse:** Jim Lusk, [KC8EFD](#): No Input
- **Comm Center:** Ken Moak, [KM8AM](#): [See Page 5](#)
- **Contesting:** Ken Gunton, [W8ASA](#): [See Page 25](#)
- **Education:** Jim Dean, [W8UD](#): No Input
- **Emerg Preparedness:** Roger Parrett, [NQ8RP](#) Compiled and assessed all submitted EMCOMM Operational Requirements. Identified a set of practical and executable requirements for the BARC station
- **Field Day:** Ray Hitt, [N8VMX](#): [See Page 17](#)
- **Full Quieting Editor:** Ken Moak, [KM8AM](#): [See Page 2](#)
- **Hospitality & Librarian:** Natinka Siwecki, [KD8NUA](#): [See Page 18](#)
- **IT:** Sean Dickens, [K8SPD](#): The church won a bid for a new building. They could be vacated by the end of June. Aside from the potential of losing internet access I am still very concerned with the lightning damage potential of our equipment. I'm wondering if there is a way to test the existing electrical surge protector. That will give us more information into the total picture of the issue(s) with the lightning protection. I have spent a bit of time lately tracing all the service entrances and cross-connections down to the endpoints
- **Net:** Paul Sharp, [KD8OPN](#): [See Page 3 for BARC Net Stats](#)
- **Public Service:** Don Parker, [KB8PSL](#): No Input
- **QSLs:** Roger Hoffman, [WB9BXT](#): Working with Jim, [KD8APT](#) to transfer all BARC QSL responsibilities. This includes incoming QSL card verifications and maintaining BARC's LOTW account
- **Repeater:** Russ Roysden, [N8NPT](#): No Input
- **TechNight/Workbench:** Trevor Clarke, [K8TRC](#): I'm talking with Jim [W8UD](#), and John, [W8LRJ](#) on a new series for tech night and skills night. [Also see Page 16](#)
- **Webmaster:** John Westerkamp, [W8LRJ](#): The Bellbrook Amateur Radio Club now has an on-line forum where members can ask questions about amateur radio and get answers from club Mentors and Tech Experts. There are also areas for discussion and announcements for club members who are activating in a park, putting up an antenna, rearranging their shack, or any event at all so other club members can join you and make it a fun social event. The BARC Member Forum is under the Membership tab at the top of the website



The Magical Ferrite

Brian Clymer, W8AHT

Greetings! This is the story of my confrontation with radio frequency interference (RFI), what I learned about it, and how I resolved the issue. To provide some background, my QTH is a long ranch house with the shack in the basement, and a humble antenna farm in the attic. I have a fan dipole with balun for 20 and 40 meters running straight for the length of the attic, an OCFD with balun meandering around the attic perimeter, and a vertical DBJ 2 m/70 cm twin lead antenna. Additionally, there is an over-the-air TV antenna, and multiple power wires, speaker wires, and a subwoofer cable crisscrossing the attic floor. In short, my attic is an RFI playground.



<http://www.moosemobilityscooter.com/electromagnetic->

A while ago, I was transmitting during a contest, pushing the maximum 100 w, when my kids came running down the stairs, yelling excitedly, that they could hear me coming through the speakers while they were watching a movie. While I thought that was amazing and kind of funny, the contest exchange didn't really fit in with the movie dialog, so they thought it was pretty annoying and it detracted from the movie-watching experience. Not long afterwards, during another contest, they came running downstairs again, this time to tell me that the receiver had actually shut off when I transmitted. Oops. I had an RFI problem.



Having passed the Technician, General, and Extra exams, I knew a little bit about RFI, and I had heard of ferrites along the way, but to address my problem, I knew I would have to get more information to find the solution for my situation. So I reviewed a number of references (some reliable ones are listed at the end of this article), and I learned quite a bit. The following is some of the information I found helpful. Full disclosure, however: despite being a self-admitted, card-carrying science geek, my expertise is in medical science, not electrical science, so my apologies to the EE's, PhD's, and other electrically-inclined folks if I get something wrong- I'll gladly defer to their higher knowledge!

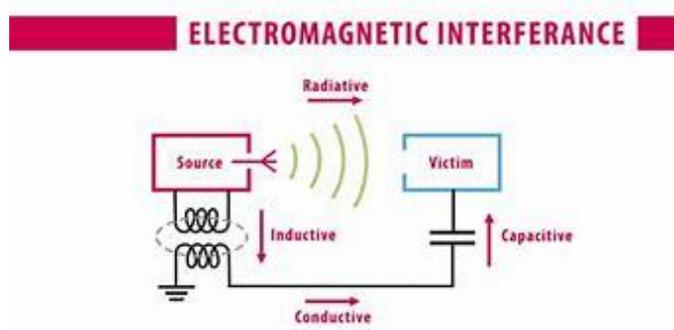
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The Magical Ferrite

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RFI is electromagnetic radiation going anywhere it is not intended or supposed to be that results in noise in or malfunction of another electrical device. The sending device is referred to as the “source,” and the device receiving the interference is called the “victim.” In my case, my transceiver was the source, and my entertainment system was the victim. How does RFI get from one to the other? It is true that any wire can be an antenna- it will receive wavelengths of electromagnetic radiation based on the same principles that Hams use to determine lengths of wire or elements intended for use as an antenna. That includes electrical house wires, speaker wires, or subwoofer cables in the field of radiation. The electromagnetic energy travels along the outside of the wire as common mode current. When that current reaches the victim, it can wreak havoc, causing anything from annoying static to malfunction of the device (setting off house alarms, opening/closing garage doors, power-toggling home entertainment receivers, etc.).



[Electromagnetic Interference \(EMI\): What it is & How To Reduce it | Electrical4U](#)

What can be done to stop these electrical leeches? Meet the magical ferrite! No, not the cute fuzzy weasel-like creature with really sharp teeth- that's a ferret (**Figure 1**). We are talking about a ferrite. Ferrites are iron-oxide based ceramics that are formed into toroids (think donut-shapes), snap-ons, or beads (**Figure 2**) that can effectively stop RFI when selected and applied properly. In addition to iron-oxide, ferrites can contain a number of other metal alloys (nickel, manganese, and zinc to name a few) that change its electrical properties, and it is the types and quantities of the additional alloys that determine its “mix” number.



Figure 1. Ferret, made of organic matter



Figure 2. Ferrites, made of inorganic matter, in various shapes.

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The Magical Ferrite

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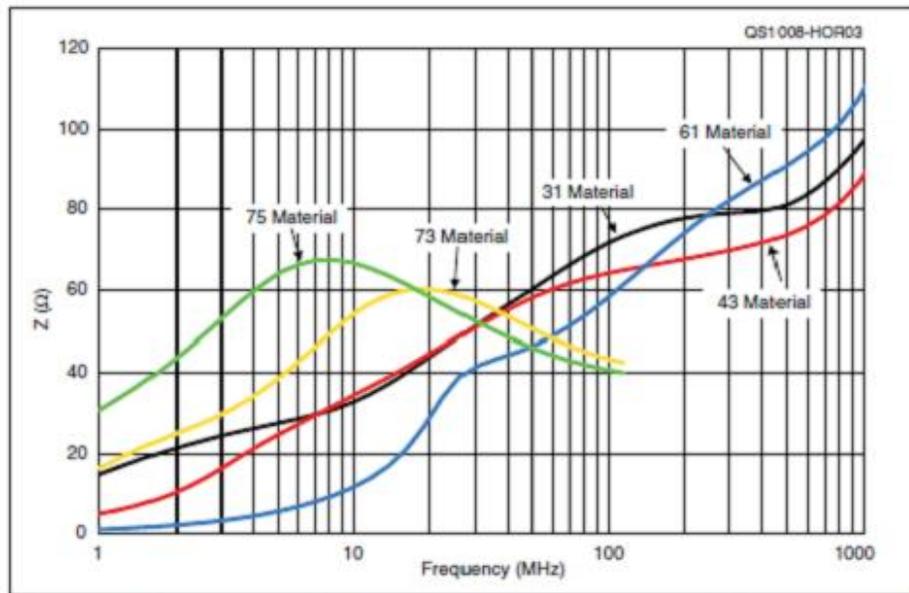
Each mix will suppress RFI over fairly specific frequency ranges.

(Figure 3) For amateur radio frequencies, mixes 31 (1-300 MHz) and 43 (20-300 MHz) tend to cover HF/VHF well. Other mixes (with different formulations of alloys) are best suited to suppress other frequency ranges. Also, the frequency ranges are not a hard-stop; the suppression is on a curve, so there can be RFI suppression outside

a mix's designated range, but it won't be as efficient. This is why you need to be sure to get ferrites from reliable sources, and not from the bargain bin at a flea market unless you really know what you are doing. There are ways to test an unknown ferrite and determine its mix, but that is well beyond the scope of this article, and way over my head.

How does that little piece of inert ceramic metal alloy suppress RFI? It magically becomes an inductor and chokes it. Simple, right? Hold on to your soldering irons, here we go. When a wire carrying common mode current passes through the center of the ferrite, the electromagnetic energy of the current interacts with the composition of the ferrite (the "mix"), magically causing it to become an inductor, which impedes the flow of current, storing it in a magnetic energy field. The wire coming out the other side of the ferrite now has the common mode current "choked," with the result being mitigation if not elimination of the common mode current. Interestingly, the more passes the wire makes through the ferrite, the stronger the inductor becomes, presenting greater resistance (impedance) to the flow of the offending current. For a toroid, the impedance increases with the square of the number of passes through the center of the toroid (e.g., 2 passes = $2^2 = 4$ times the impedance; 4 passes = $4^2 = 16$ times the impedance); however, snap-on or bead ferrites simply add in series if the wire only passes once through the center (e.g., 2 beads = $1 + 1 = 2$ times the impedance; 4 beads = $1 + 1 + 1 + 1 = 4$ times the impedance).

(Continued on next page)



Figures 3 — These curves show the impedance versus frequency of a single ferrite bead made of different types of ferrite material. Each bead is 3.50 mm x 1.30 mm x 6.00 mm. (Information courtesy of Fair-Rite Corporation)



The Magical Ferrite

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So, clearly, if you are able to pass the wire through a toroid for multiple loops, it will be much more efficient and cost-effective at choking the common mode current than trying to string multiple beads along the wire. Of note, adding snap-ons before or after a toroid will add another inductor to the line, so they will work independently of each other. It is recommended to place the ferrites as close to the electrical devices as possible to avoid the intervening wire from picking up another RFI before entering the device. Additionally, the ferrites have no effect on the desired current flowing through the wire itself; it passes through the inductor unharmed.

Meanwhile, back at the QTH, I followed the advice of Hams smarter than I, and purchased a home entertainment RFI suppression kit (a combination of mix 31 toroids and snap-ons) from Palomar Engineers in California. When the kit arrived, I reviewed their Tips Sheet, which was full of helpful information, and used every toroid and snap-on in the box on every wire going in and out of my entertainment system. A few hints regarding toroids- make sure the length of the cable can still reach its destinations after making loops, because it's easy to come up short! Also, electrical plugs can be hard to pass through the toroid after a few loops, but it's best to get as many passes as you can (see the above paragraph) without damaging the plug or wire. With the ferrites in place, it was only a matter of time before another contest occurred on movie night, presenting the perfect testing opportunity. It was mostly a success: the kids were quick to note the RFI was greatly reduced, but they could still hear my muffled, bassy signal coming through...the subwoofer! I had forgotten about that beautiful box hiding in the corner behind the couch that made explosions and high-speed chase scenes so exhilarating! So, back to Palomar Engineers I went to purchase additional ferrites. Upon arrival of the new shipment, I went to the subwoofer and choked the power cable with a toroid, but I had to place a string of snap-ons on the coaxial cable because it was too short and inflexible for a toroid (**Figure 4**).

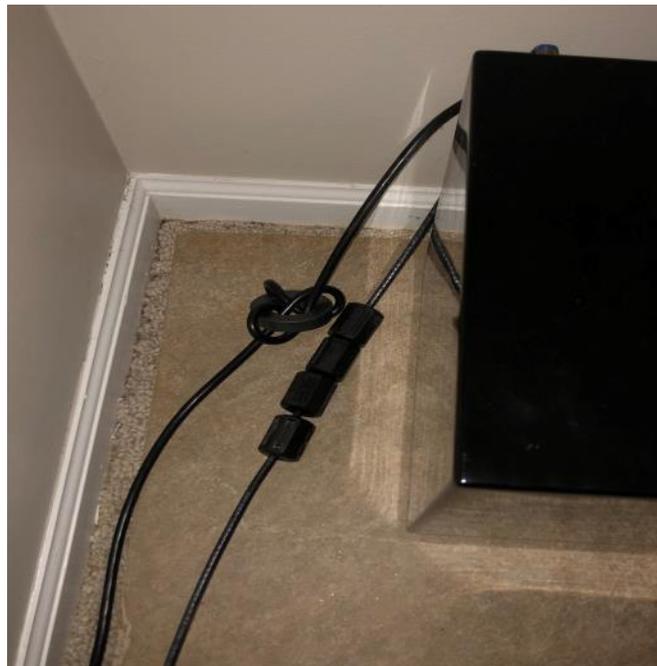


Figure 4. Toroid on power cord, and snap-ons on coaxial cable.

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The Magical Ferrite

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For a final test, I went back to my shack in the basement and had my son on speaker phone in the living room to coordinate the testing. The RFI on 40 m was completely gone across the spectrum at 100 w! I also had no RFI on 80, 15, or 10 meters! Now, 20 m was a little different story. While the RFI was markedly reduced, I could still be heard coming through the subwoofer and surround speakers but very faintly. So I added additional snap-ons to the subwoofer coaxial cable (4 more than in **Figure 4**), and I made a trip to the attic where I placed a toroid on each of my surround speaker wires. Back in the shack, further test transmissions showed further reduction in the interference, but it was still present. According to my son, he said the noise was barely perceptible, and it would not likely be a significant problem if they were watching a movie or playing video games. Whew! While I could not completely eliminate RFI on all the bands, placing ferrites did eliminate all RFI on 40 m (my main frequency), and dramatically reduced it on 20 m to the point I can transmit on that band without causing too much distress for the rest of the family. I tend to lose 20 m not long after sunset anyway, so my transmissions on that band in the evenings and nights are few; consequently, I'm not losing much there.

In conclusion, my RFI problem focused around my 20 and 40 meter transmissions getting into my entertainment system, causing disruptions with my family enjoying other electronic activities. By investigating and learning about common mode currents and ferrite inductors, I was able to obtain an array of mix 31 ferrites that made a major improvement in mitigating, and for some frequencies eliminating, my RFI at amateur wavelengths. And that makes for a happier home. See...they're magical!

References:

The Doctor Is In podcast, "Hunting Interference," May 19, 2016.

Ham Radio Workbench podcast, "Ferrites," hour 3, July 27, 2021.

ARRL Handbook for Radio Communications, 2017.

Section 2.8, Inductance and Inductors

Section 5.5, Ferrite Materials

Section 22.4, Inductors

Section 27. RF Interference

Palomar-Engineers.com

Fair-rite.com

Toroids.info

Digikey.com

73, Brian, W8AHT



BARC & North American QSO Party (NAQP)

John Westerkamp, [W8LRJ](#)

Toward the end of January, we opened the clubhouse for the North American QSO Party Contest. I was excited to see several new members drop by with a real interest in learning how to use the radios and how to work a contest! We were all excited to operate together as W8DGN.



We began by going over the antenna patch panel and noting that the contest only allowed two stations on the air at one time. So we hooked up one station for 10-15-20 meters and another for 40-80 meters. Since the 10-15-20 meter antenna was a beam, we also hooked up the rotator for that station.

Once we had all the antennas set up, we turned on the radios and the rotor controller and reviewed the logging software. We use N3FJP in the clubhouse, so members learned how to set up the software with their own call sign and name for the exchange and how to log a contact.

After the contest started, we decided to listen for a few minutes so the BARC operators could get a feel for the rhythm of the contesters and learn how the exchanges were managed. Then I started by *Searching and Pouncing* to demonstrate how we would operate and log contacts as W8DGN.



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BARC & North American QSO Party (NAQP)

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Finally, it was time to dive in and 3 other intrepid operators grabbed the microphone and started making contacts. We worked for about 3 hours and then called it quits (nothing to do with the Bengals game that started soon after). Everybody learned a great deal and most of all had a lot of fun. Several of the operators were making their first HF contact!



Thanks again everyone for coming down to the clubhouse and representing BARC in the NAQP Contest!

73, John, [W8LRJ](#)



Lunch Bunch

Jim Totten, [WA8HUB](#)



My name is James (Jim) Totten. **WA8HUB**. One of the results of the February 3, 2022 Planning Meeting was a recommendation to reestablish the Lunch Bunch. I was asked and accepted the task to get the Lunch Bunch underway.

My first action was to find out who wanted to be in the group. Either myself or Paul Sharp sent an email to all asking for replies from those folk who wanted to on the list. At this time we have 17 members on the mailing list. I am in the process of reviewing and establishing a new list of restaurants for our lunches.



I am a bit behind because of several appointments through February.

The next actions (besides the restaurants) will be to negotiate, (1) the day of week for lunch, (2) how often to have lunch, and (3) lunch time.

In the previous existence, lunch was every Thursday at 11:15 AM. My thought is that is much too often. The Bellbrook Amateur Radio Club has Thursday's as the main activity days. Another day seems more reasonable. All of this will be a joint decision by the Lunch Bunch members.

Much more to come in the next issue of *Full Quieting*.

73, Jim, [WA8HUB](#)



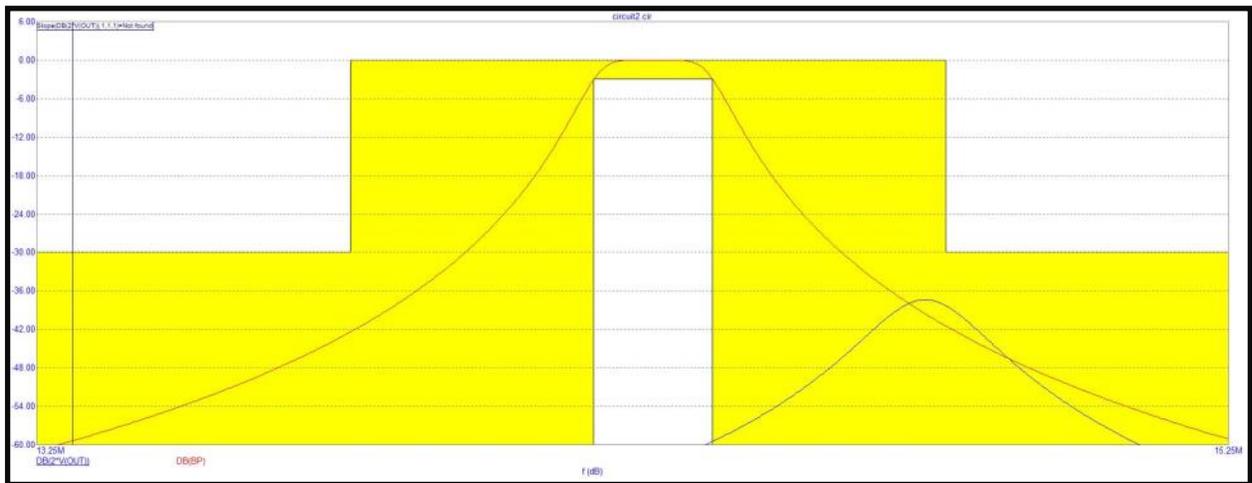
Tech Night

Trevor Clarke, [K8TRC](#)

During the February tech night, we began a new project. We're designing and building a basic 20 m QRP radio for SSB voice (and digital if you plug it into a soundcard).

The February meeting was a virtual meeting where we discussed the specs and started some design work. I'd like to try for an in-person meeting in March where we'll discuss updates to the project and have a presentation on using antenna modeling software such as 4nec and MMANA-GAL.

(ED note: 4nec2, by Arie Voors, is a completely free Nec2, Nec4 and windows based tool for creating, viewing, optimizing and checking 2D and 3D style antenna geometry structures and generate, display and/or compare near/far-field radiation patterns for both the starting and experienced antenna modeler. [4nec2 antenna modeler and optimizer \(qsl.net\)](#))



I've been blogging about the radio project and have made the design files available. You can read all about it at <https://hackaday.io/project/184037-barc-20m-qrp-transceiver>

As many of you may have noticed, we've been inconsistent with tech night presentations over the past year. This is in part due to the ongoing pandemic but also a need for topics and presentations. I need your ideas! If you have something you'd like to talk about, or listen to someone else talk about, let me know. Anything of a technical nature and having to do with HAM radio is on topic. This might be a project, a deep dive into antenna theory, or a refresher on the use of lab equipment. We can also have "bring and test" nights where we can arrange to test your gear for calibration, noise, power output, etc. Some open nights where we just talk about whatever is on attendees' minds.

73, Trevor, [K8TRC](#)



BARC Field Day Report

Ray Hitt, N8VMX

We are in “pre-preparation” for 2022 Field Day, scheduled for June 25-26th (mark your calendars) at the Sackett-Wright Shelter #1.

In early March, I will be contacting Field Day Committee members who led positions on the committee previously and get their interest in those roles for the 2022 Field Day.

I would like each area leader (such as power, antenna system, stations, food, etc.) reach out and get some additional club members to assist them in their area. Hopefully, we will have a nice blend of experienced and new members.

If you are interested in participating, but nervous about it, please let me put your mind at ease, there’s a little something for everyone when planning for Field Day.

I will be setting up our first planning meeting for either late March or early April, to meet in the clubhouse. It will not be on Thursdays. I will look at our club calendar and pick a different day in the week that seems to be available.

Looking forward to a great year to gather in person for Field Day once again!

If you have any questions, please send them to Ray Hitt, BARC Field Day Coordinator at N8VMX@arrl.net



73, Ray, N8VMX



Hospitality & Library News

Natinka Siwecki, [KD8NUA](#)

BARC MOVIE NIGHT RETURNS ON THURSDAY MARCH 24, 2022!



It has been quite a while since we've been together for BARC Movie Nights and it will be great to get back together for this fun BARC Club event.

I'm putting together a list of movies for future movie nights and any suggestions you would like to send in would be appreciated.

BARC Movie Nights are held on the fourth Thursday of each month January through October at 7:00 pm. We take November and December off due to the holidays.

Movie Nights for 2022

March 24, 2022	July 28, 2022
April 28, 2022	August 25, 2022
May 26, 2022	September 29, 2022
June 23, 2022	October 27, 2022

Keep an eye on your email for more information regarding the upcoming March movie night. We hope you will be able to join us for some if not all of our BARC Club Movie Nights!

73, Tink, [KD8NUA](#)



DXing -The Search for Distant Contacts

This column is about all things DX and how they relate to BARC Members.

Also looking for any contributions on DX that BARC members have worked

If you don't say something, how can we congratulate your accomplishments?

Pictures of received QSL cards would be GREAT

Let's see what our BARC Members have been up to on the bands:

- **Randy, [KA0AZS](#)**, continues to be radio-active. He's racked up: Spain, **EA**; S. Sudan, **Z8**; Mauritius, **3B8**; Gibraltar, **ZB**; and Ivory Coast, **TU** on FT8 and Cayman Is, **ZF** on SSB. Additionally, he's up to 61 countries and 46 states on 10 m. In his spare time, he's a beta tester for the GridTracker team. I'm sure I've missed more this month.....
- **Paul, [KD8OPN](#)**, burning up the bands: Holland, **PA**; Serbia, **YU**; Seychelles, **S79KW**; and Western Sahara **S0**
- **Jim, [W8UD](#)**, worked Malta, **9H** on 17 m
- **Kevin, [AD8HN](#)**, has been busy working the ARRL Schoolhouse Roundup and Venezuela, **YV** on RF instead of EchoLink!
- **Rob, [WS8M](#)**, knocked off Chile, **CE**; Argentina, **LU**; and Serbia, **YU**
- **Dan, [KD8YNG](#)**, has been chasing VOA stations. Seems the Washington D.C. station is rare
- **George, [KE8SNS](#)**, had a busy day on 10 m MOBILE working TX, OK, and Columbia, **HK**!
- **Ricardo, [KA3ZQX](#)**, reported many 10 meter openings. He worked Spain, **EA**, Canary Is.; **EA8**; and Uruguay, **CX**. He reminds us that lots of Technicians can work DX!

Don't forget to sign up for CLUB LOG: <https://clublog.org/>

(Continued on next page)



DXing -The Search for Distant Contacts

(Continued from previous page)

BARC ClubLog DX League Standings

As described in the Nov 21 "Chasing Purples - FT-8 News" ClubLog is a great way to track your DX contacts relative to other hams world-wide. It supports various DX Leagues including one for BARC.



[Link to BARC League in ClubLog](#)

DXCC Leagues

The leagues are rebuilt once per day. Only callsigns active in the last 12 months are included in the league tables. The maximum size of a league is 2000 participants.

<input checked="" type="radio"/> No Mode Filter	<input type="radio"/> CW	<input type="radio"/> Phone	<input type="radio"/> Data
<input checked="" type="radio"/> Rank by DXCCs	<input type="radio"/> Rank by slots	Rank by band: <input type="text" value="Totals"/>	
<input checked="" type="checkbox"/> 160M <input checked="" type="checkbox"/> 80M <input checked="" type="checkbox"/> 60M <input checked="" type="checkbox"/> 40M <input checked="" type="checkbox"/> 30M <input checked="" type="checkbox"/> 20M <input checked="" type="checkbox"/> 17M <input checked="" type="checkbox"/> 15M <input checked="" type="checkbox"/> 12M <input checked="" type="checkbox"/> 10M <input checked="" type="checkbox"/> 6M			
<input checked="" type="radio"/> Current entities	<input type="radio"/> Current and deleted	<input checked="" type="radio"/> Worked	<input type="radio"/> Confirmed
<input checked="" type="radio"/> No Date Filter	<input type="radio"/> 2022	<input type="radio"/> 2021	<input type="radio"/> Last 12 months
Filter by club/continent:	<input type="text" value="BARC - Bellbrook Amateur Radio Club"/>		

Generate DXCC League

League for BARC - Bellbrook Amateur Radio Club

KM8AM ranks 2

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6	DXCC ▼	Slots	Range
1	K8ST *	71	115	115	183	212	302	226	206	139	160	55	334	1784	60 yrs
2	KM8AM+1 *	109	150	103	212	186	277	211	202	129	153	15	295	1747	45 yrs
3	W8ASA+2 *	73	95	108	160	160	237	205	182	131	153	29	265	1533	16 yrs
4	W8NU	65	95	106	174	138	212	165	170	116	108	6	242	1355	4 yrs
5	K8SJM *	14	70	74	158	157	180	167	141	108	86	23	221	1178	4 yrs
6	W8LRJ	1	4	1	24	31	137	80	97	5	37	2	173	419	4 yrs
7	KA0AZS	0	39	12	64	85	110	105	111	36	66	7	141	635	44 yrs
8	W8DGN	4	40	0	61	0	111	3	110	1	95	1	134	426	8 yrs
9	AC8ZU+1	1	4	0	87	60	108	90	69	42	8	4	131	473	5 yrs
10	KD8OPN	4	3	0	86	0	103	36	17	4	9	1	129	263	5 yrs
		160	80	60	40	30	20	17	15	12	10	6			
11	W8UD+1	1	9	0	65	0	61	13	43	0	19	0	97	211	3 yrs
12	WS8M	0	2	14	66	20	69	4	4	0	4	1	89	184	1 yrs
13	KE8LZD	0	2	0	22	0	68	37	34	5	13	0	87	181	3 yrs
14	KD8YNG	0	3	0	30	0	38	7	43	0	20	0	72	141	7 yrs



DMR and Me

Larry Baker, [KB8EMD](#)

I was born in the first half of last century when a bottle of coke cost five cents, and gas was 22 cents a gallon.

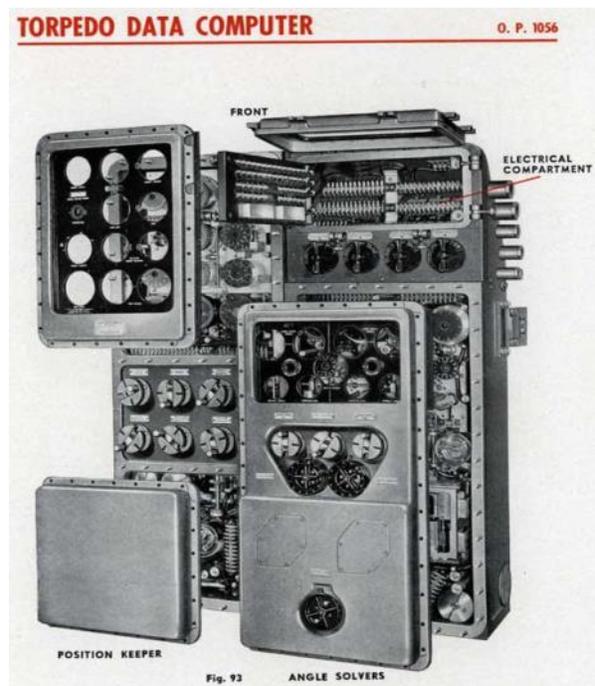
From an advertisement on the back of a comic book I bought a microphone. It had two wire leads with the ends formed into circles, you were instructed to pull a tube from a broadcast radio, place the two wire loops under a couple of tube pins, place it back in the radio, and you had yourself a PA station. Not being happy with that, I also ran a twisted pair of wires to our “outhouse” and installed a loud speaker hooked to the same radio. Dad was not amused the first time he heard music while having a call of nature.

During four years in the Navy, I learned how to work on radars and computers that controlled the guns and torpedoes. The computers were all syncros and servos. While aboard a submarine out of Pearl Harbor Hawaii, I worked on a TDC torpedo data computer filled with lots of mechanical parts.

What does that have to do with DMR radio?

Nothing! I’m just an analog person living in a digital world.

I tried to stay away from digital mode radios as long as I could. When my curiosity got the best of me and finding some loose change burning a hole in my pocket, I decided to give it a try. In December of 2021, BridgeCom Systems had a Christmas sale going on. They tossed out the bait and I bit.



<https://archive.hnsa.org/doc/tdc/pg102.htm>

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DMR and Me

(Continued from previous page)

My Anytone AT-578 U/V III Plus mobile radio arrived December 22, 2021. I was thinking this would be a breeze to set up and use, but Mr. Murphy said: “Not so!”

After many failed attempts doing what all the YouTube videos said to do, and after reading many, many how to do’s; I asked for help.

In comes John, **W8LRJ**, and following his instructions; I re-entered what I had done before, line for line word for word. This time, everything worked - thanks John.

Now I could check-in to the Tuesday night DMR net at 8:30 using Tim’s, **N8NQH**, DMR re-

peater. They ask for check-ins from the East repeater, and then the West repeater, followed by hotspots, and finally from anywhere else. What the heck is he talking about, East, West, and hotspots? What about good old Tim, **N8NQH**? Was I using East or West? I knew I wasn’t using a hotspot, because I didn’t even know what a hotspot was.

Later, I learned Tim’s home DMR repeater was considered the East repeater, and Tim’s channel 16 tower located machine is the so called West repeater. I learned that a hotspot was a way I could get on DMR from my house bypassing any repeaters. The learning curve has been steep, but I now have a DMR radio with thousands of code plugs and talk groups. All things that a month ago were completely unknown to me. Oh, by the way, I now have a hotspot.

If anyone else has been thinking what digital radio to buy, I say go DMR; but, others work equally well.

I have made contacts as far away as China and as near as Centerville.

73, Larry, [KB8EMD](#)



BARC Member QSL Cards

Get Yours In Today!



Natinka Siwecki, KD8NUA



CW 'The Original Digital Mode'

Ken Gunton, [W8ASA](#)

The Time: Approximately 8 AM, December 7, 1941

The Place: Aboard the USS Oklahoma in Pearl Harbor, Honolulu, HI

Can you imagine the chaos, the uncertainty, and the outright fear? Your ship has just been torpedoed and bombed without warning. The lights have gone out, and the ship is "turning turtle". Which way is up? You have no idea! You are sputtering in the mix of seawater and oil. Time stands still for you. You feel your way around, trying your best to get your bearings so you can find an exit to safety. The water is rising all around you in this unknown compartment. All of a sudden, you see the light from an emergency lantern rising from below, and a face pops out of the water, startling both of you! He asks if you know a way out, and you tell him no. So, he says to follow him back the way he came. In an air pocket in another compartment are other men, in the same predicament as you.



One of them finds a wrench, and begins tapping out SOS in Morse Code, slowly and methodically, for what seems to be forever. In the meantime, your group has heard shouts from another compartment and has been able to communicate with them. Later you feel the heat from torches, cutting through the thick layers of steel. They have heard the SOS and located where you are. A small hole at first, with the rescuers asking if you can bear to lose some oxygen due to the torches. You tell them to do what they have to do, so they continue cutting a hole large enough to pull you and the other lucky men through the hull to freedom.

During this time, the SOS sender has let the rescuers know about the other compartment, so they are able to save them as well. **In total, more than 300 men were saved, in large part due to the continuous wave of SOS signals, and the brief messages exchanged in Morse Code.**

Are you trying to learn Morse Code? Have you had some good luck, or bad luck? I'd really like to hear from you! Would you be interested in having a class in Morse Code? Let me know!

What would you like to see in this column? Your feedback is important.

As always, don't overthink learning Morse Code. Relax! We've all been through the nervousness stages, and all have made mistakes during QSOs.

Remember: if you want to make a slow-speed, informal QSO sometime, send me an e-mail to w8asa@arrl.net and we'll set a sked for a contact. I will send as slowly as you want.

Let's have FUN WITH CW!

73, Ken, [W8ASA](#)



Kontest Korner

Ken Gunton, [W8ASA](#)



[WA7BNM Contest Calendar: Home](#)

[3830 Contests \(3830scores.com\)](#)



I recently sat down to speak with a young ham who wanted to know about contesting. He had tried to listen to a couple of contests, but gave up because he didn't understand what the exchanges were all about, nor what they meant. His reaction was not unique to someone who had never operated during a contest. I told him the main purpose of the exchanges was to verify that the connection had indeed been made between the two stations so they could each receive the appropriate number of points toward their total scores. We then discussed the actual exchange content. Well, that information varies from contest to contest, usually depending on the purpose of a given contest.

For example, in a state QSO party, the exchange allows someone inside a state to tell the other station which county he is in, because counties are multipliers in state contests.

In an international contest, the exchange might be as simple as a signal report (RS or RST) and a contact serial number. Other contests provide methods to earn extra points such as QTC, or traffic information, which usually includes a list of the last 10 QSOs someone has made.

CQ magazine has developed a system which splits the world up into 40 zones, so keeping track of zones is yet another way to earn multipliers in some contests. In this case, you might have an exchange of 59 04, indicating a relatively strong signal received in zone 4.

This column is supposed to be more than just a collection of copy-and-paste items from the web, but **I'd like to post a link to a YouTube video made by ND3N. He talks about the why and how of contesting, and makes a number of really excellent points.** It's a good overview of the subject, and is only fifteen minutes long. Please take the time to watch it:

https://www.youtube.com/watch?v=pcwkt6qXS-Y&ab_channel=ND3NHamShackChat

See what's on tap for us in March by checking out: contestcalendar.com/contestcal.html

There are always state QSO parties on the weekends. Work that last state for your WAS Slow Speed CW? Try the various K1USN Slow Speed Contests – short and sweet

Remember, if you participate in any contests, please submit your log to both the contest organizers, and 3830scores.com. When you file, the club is the **"Bellbrook Amateur Radio Club"**

73, Ken, [W8ASA](#)



BridgeCom Systems is having a DMR QSO contest

All during **March**

BridgeCom's Spring DMR QSO Contest!

[QSO Opt In Page | BridgeCom Systems](#)

The ad below is **NOT** clickable. Please use the link above

Sign Up For BridgeCom's Spring DMR QSO Contest!

Sign up to get the latest email updates on the BridgeCom QSO contest and more information as it is released.

Big Prizes for our 1st, 2nd, & 3rd Place Winners!

Sign Up For QSO Contest



Special Event Stations (SES) On The Air

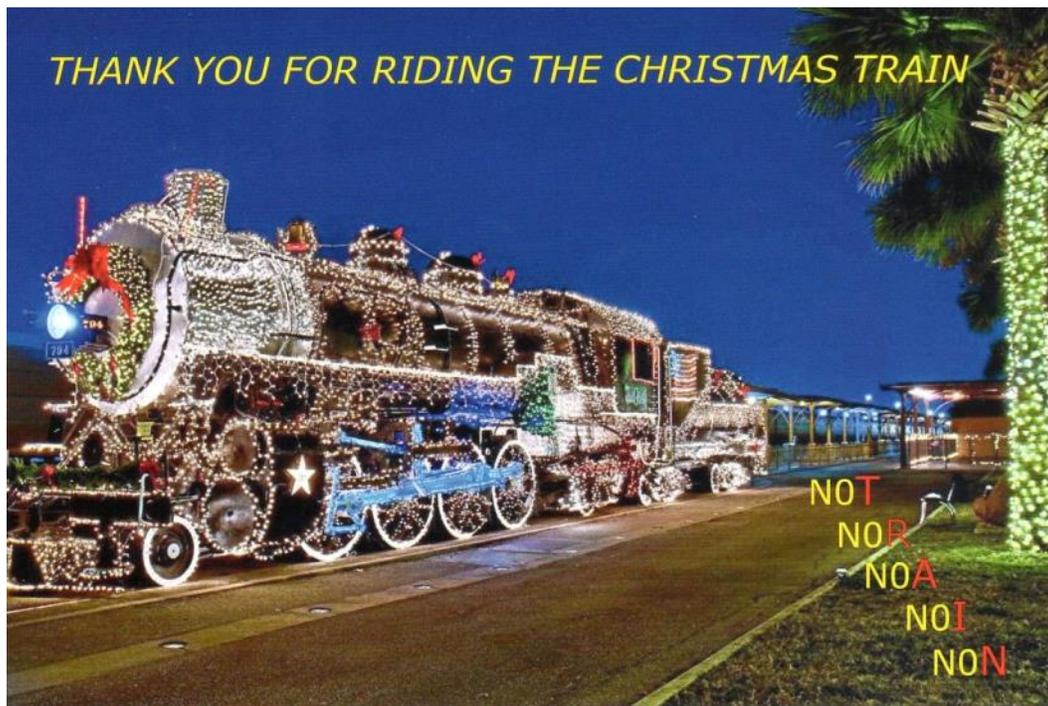
Paul Sharp, [KD8OPN](#)

Every month I'll include a SES certificate from one of our members.

This month's certificate is from Mark Crabtree, **N8PEP**, my first Elmer. Here are Mark's comments about this certificate: "I "rode" the "not Original" Christmas Train four times this year between Dec. 23 and 26

I never heard the fifth station (**WA5FWC**) at all. They were all on 80, 40, and 20 meters, and were easy except **NOR (W7HU)**."

You too could be the lucky recipient of these certificates to wallpaper your entire house by contacting these exciting SES!



(Con-

Here are some links you can follow to find many SES that suit your interest:

- http://www.arrl.org/special_events/search/page:1/model:Event
- <https://rsgb.org/main/operating/licensing-novs-visitors/special-event-stations/>
- https://www.qsl.net/va3rj/spevents_dx.html DX Special Event Stations (qsl.net)
- <https://www.amateurradio.eu/2022/01/01/european-amateur-radio-special-event-stations>
- <https://www.amateurradio.eu/diary/eu-dx-contest-1800-5-feb-to-1800-6-feb>



Special Event Stations (SEs) On The Air

(Continued from previous page)

Here is my pick of the litter of SES that I think will be of interest to my fellow BARC members. BARC has many current and former members of the US Military, some of us are Vietnam War Veterans, and hearing about dog sled races is exciting.

03/01/2022 | Battleship Texas Birthday # 108 Mar 1-Mar 15, 0000Z-0000Z, W5T, Cleburne, TX. Club KC5NX. 14.255 14.045 7.240 7.235. QSL. Club KC5NX will again be on the air the first week of March to celebrate the Birthday of the Battleship Texas. See QRZ.COM and or set up a time to work us.73 www.qrz.com/db/kc5nx

03/03/2022 | Copper Dog 150 Dog Sled Race Mar 3-Mar 7, 1200Z-2000Z, K9C, Calumet, MI. Keweenaw County Repeater Association. 7.225 MHz 3.825 MHz. QSL. KCRA, 51950 Boston Road, Hancock, MI 49930. www.qrz.com/db/k9c or <https://kcra-mi.net>

03/12/2022 | USS Midway Special Event: Launching of USS Midway. Mar 12, 1700Z-2359Z, N16IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 14.070 (PSK31) DSTAR (Papa Sys Rept). QSL. USS Midway Museum Ship COMEDTRA, 910N Harbor Drive, San Diego, CA 92101. www.qrz.com/db/n16iw

03/18/2022 | National Viet Nam War Veterans Day Mar 18, 1800Z-2200Z, N3TAL, Lanham, MD. American Legion Post 275 ART. 7.275mhz +/- 5 khz. wa3dvo@verizon.net

03/19/2022 | Cherry Blossom Special Event Station. Mar 19, 1400Z-2000Z, W4BKM, Macon, GA. Macon Amateur Radio Club. 14.240 7.225. Certificate. w4bkm.org.

03/22/2022 | Honoring World War II Gunners at Buckingham Airfield. Mar 22-Mar 24, 1400Z-2100Z, W4LX, Fort Myers, FL. Fort Myers Amateur Radio Club. 28.360 21.360 14.270 146.685. Certificate & QSL. Ft Myers Amateur Radio Club, P.O. Box 61183, Fort Myers, FL 33906. <https://fmarc.net>.

03/29/2022 | National Vietnam War Veterans Day. Mar 29, 1600Z-2130Z, W5KID, Baton Rouge, LA. Baton Rouge Amateur Radio Club. 7.040 7.250 14.040 14.250. QSL. USS Kidd Amateur Radio Club, 305 S. River Road, Baton Rouge, LA 70802. Operation aboard the USS KIDD (DD-661). WW II Fletcher class destroyer. qrz.com/db/w5kid.

Please send us a picture of any SES awards that you'd like to share with BARC

Show off your accomplishments!

73, Paul, KD8OPN



Hints and Kinks

Ken Moak, [KM8AM](#)

Comments, questions, and answers regarding different ways to enhance our station planning, construction, operation, and upgrades

This is a MEMBER-Driven section

This month we'll discuss checking into a net

This is not THE only way to operate on a net, but just some hints that could make your time, and that of the Net Control more enjoyable and efficient.



- **Usually, there's a preamble** that the Net Control (not Net Controller) gives at the start of the net. Please listen because it contains useful information
- **Please follow the Net Control's requests when you check in.** If they ask for a specific type of check-in, just wait for your turn. Emergency traffic, mobiles, and short timers usually have priority
- **PLEASE use enough power to communicate effectively.** A scratchy, weak, or muffled signal is NOT effective, especially in an emergency. There's no prize for the weakest signal on the net. This also means using a good antenna and a location that allows you to be heard well
- **Listen before you transmit!** There's no rush to be the first check-in. Doubles serve no one. Everyone is delayed. One way to prevent this is by using the old MARS method of quickly saying "This Is" and quickly unkeying the mic to listen. If you're doubling, you'll find out fast, if not, others will know you're about to check in
- **If there's no double, proceed according to the Net Control's instructions** such as: "Please check in with you name, call, location and if you have traffic slowly and phonetically." This is very important! The Net Control is trying to get all the information from the check-ins on the first call, and if you haven't been a Net Control, it's not easy. Use the NATO Standard Phonetic Alphabet. Fancy phonetics do not mean the same thing to all people. Additionally, take your time and clearly articulate each word

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Hints and Kinks

(Continued from previous page)

- **For example, picture this:** You're the Net Control on an HF Emergency Traffic Net after a hurricane. A station is trying to check-in with Life Safety Traffic. Your on 80 m, and the band is full of static crashes. The station, **W8MON**, keeps trying to frantically check-in as follows: "**Net Control this is W8MON, Wilmington Eight Motion Ocean Notion—Over**" All at warp speed. You ask yourself: "What the heck is that? You ask for standard phonetics, but he doesn't know them, so he just gets more frantic. Although it wasn't a W8, I actually heard this on a net. Please learn the phonetic alphabet

A – ALFA	B – BRAVO
C – CHARLIE	D – DELTA
E – ECHO	F – FOXTROT
G – GOLF	H – HOTEL
I – INDIA	J – JULIETT
K – KILO	L – LIMA
M – MIKE	N – NOVEMBER
O – OSCAR	P – PAPA
Q – QUEBEC	R – ROMEO
S – SIERRA	T – TANGO
U – UNIFORM	V – VICTOR
W – WHISKEY	X – X – RAY
Y – YANKEE	Z – ZULU

- **When you check-in with no traffic,** just say: "Net Control, this is **KM8AM**, Kilo Mike Eight Alpha Mike, Ken, Urbana, No Traffic" If conditions are bad, or there's no roger beep on the repeater, you can add "Over" If you have traffic, just say "With Traffic." By the way, **there's absolutely no reason to say: "PLEASE COPY."** Net Control's job is to copy. Same thing goes for operating in a contest. "PLEASE COPY" isn't needed
- **Most repeaters have a timer that drops the repeater transmitter after three minutes of continuous transmission.** BARC's have this function. The easy way to avoid getting "caught by the alligator" is to always let the repeater drop (listen for the beep before you start to transmit). Also, if you're long winded like some of us, you can let it drop for the beep and continue. Some Hams use the term "break one" or "break here." It's up to you
- In addition to these hints, there are other customs and courtesies on the air. Some are fundamental to good operating, others are just traditions that help you fit in and not look so new. For example, leave time between transmissions for other to break in (Here you just drop your call. No need to say "Break" or "Breaker"). Another is saying "73" not "73s" 73s is saying "Best Regardssssss."
- There are many other traditions and courtesies, but don't worry, you'll learn them over time or from your Elmer. They're what ties the last generation to the next generation of Hams

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Hints and Kinks

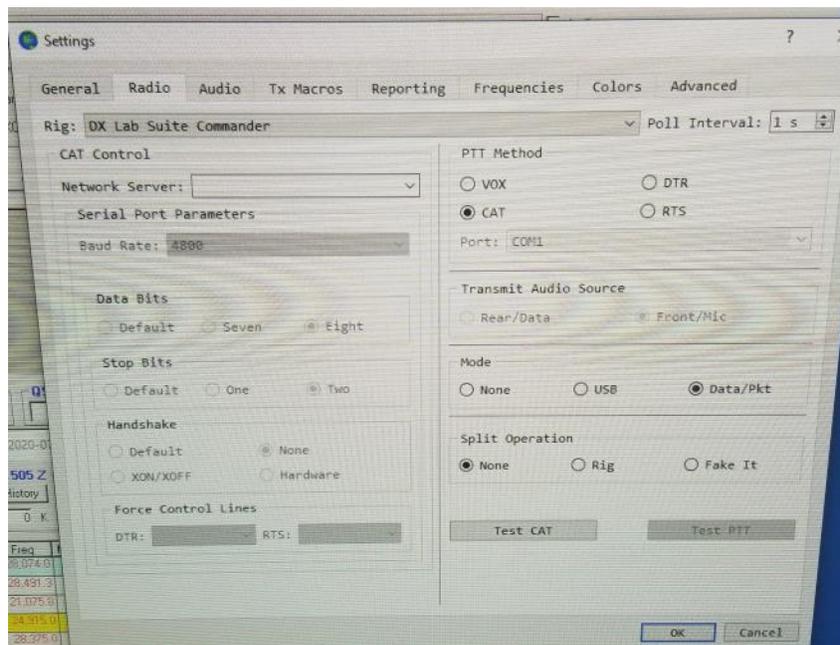
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GREAT HINT That May Save Your Hours of Time

Paul Sharp, [KD8OPN](#) submitted a great Hint for BARC members using radios and/or programs with lots of programmable settings. This is really helpful for radios such as the FLEX 6000 Series, or for programs such as FLDIGI, N1MM, and WSJT-X and JTALERT.

After you complete a section of settings, or the entire program's worth of entries, just take a picture of the setting screen(s).

Having this record will definitely come in handy if you experience one of those **extremely rare** Windows Updates that wipe out your system. It's not a matter of if, just a matter of when.



If you found a neat way to accomplish something around your station, just send it in to me. As always, pictures will interest all of us.

Original ideas are super, but if you've read about a Hint or Kink and ACTUALLY tried it, PLEASE send it in since your fellow BARC members may need it, and then you'll be the hero.

73' Ken, [KM8AM](#)
937-408-6672 (c)



Current BARC Member Interviews

Jim Gifford, [KD8APT](#)

Hello BARC, Jim Gifford here.

How did I start in amateur radio? A long time ago my best friend and I lived across the alley from one another in East Dayton. When I was about 10-years old, I had one of those toy telephones that worked on C cells and a hard wire. I could talk from one room to another. We placed one of these phones in my buddy's second floor room and one in mine. We tried to run a Bell Telephone wire from one house to another to communicate, which was a disaster. The wire dipped far too low and a car hit it as they drove down the alley. This was about 1961, and affordable walkie talkies were not available yet, but it started my interest in trying to find a way to communicate.



Jump ahead about four years. My friend's dad used to take us out to the Wright-Patterson base dump (between Area A/C and Area B), where we could rummage around and dig up all sort of electronic goodies the Air Force had tossed out. (You may think I am making this up, but it is true. That dump was declared an environmental toxic waste dump site many years later.) At that site, I found an old radio set. All I remember was it had several tubes, a power supply, and when I plugged it in, the tubes lit up. It had a gnarly old microphone with a filthy tangled cord. There was a socket on the back marked "ant." I set it up in my basement and ran a makeshift antenna out the window and up over the garage roof. When powered on, it smelled like old sneakers and it smoked a little. I tried calling anyone who would listen. No one answered, which is just as well because it had to be illegal! The FCC was no doubt trying to find me back then! I discarded that thing since all I heard was static, and I was afraid of it catching fire. I had no "Elmers" available back in 1965 to explain anything to me.



It's now about 1967, and I enrolled in Patterson Co-Op High School, majoring in Electricity/Electronics. The lab at Co-Op was fantastic. We had a hands-on lab where we could experiment with phased electricity and generators. I built a Heathkit tube-type AM radio in that class, and I guess that is really where the electronics bug really bit me.

(Continued on next page)



Current BARC Member Interviews

(Continued from previous page)

It also didn't hurt my interest that the Stotts Friedman electronic "candy" store was right behind the high school, and I made a ton of money at my co-op job: \$1.65 an hour! (For you young Hams, that store was like a Radio Shack on steroids.) The only trouble with my hands-on education was my job: I fixed electric razors and mixers at an electric repair shop. Boring!

During my senior year and shortly after I built a transistor amplifier and installed it in my old Pontiac Tempest and hooked a microphone up and a speaker in the grill and we boys were able to yell at girls in the local Parkmoor Drive-in. I bought a really neat frequency conversion module, which I placed near my car radio. The module received the AM "A" channel of the Dayton Police Department and converted that signal to an empty portion of the am radio band. "A" channel was the primary calling frequency back in the day. My good friend, Gary, and I listened to police calls and followed the cops like a couple of groupies. We got to know some officers and watched and dreamed. You might think by listening to police calls that we were criminals, but both of us took civil service exams and became police officers, I joined Dayton PD and Gary was hired as a deputy sheriff.



I served on Dayton PD for a few years. I suppose since I was basically tied to a radio, both in the squad car and with the 450 strapped to my belt, I forgot about the hobby of radio for a few years. Radio isn't as much fun when the caller on the other end sends you to take a report or get shot at (which happened more than once). I loved being a police officer, but I had a higher calling as a Baptist preacher, and I left for seminary.

I was a bivocational pastor mostly, meaning I worked a full-time job and as a pastor of a small church. I attended seminary in Louisville, KY, and I have degrees at both Wright State (Communication) and Sinclair CC (Law Enforcement). Ironically, club member, Henry Ruminski, **W8HJR**, was one of my profs at WSU! In order to support my family (being a pastor of a small church does not provide much financial support) I worked as a technical editor/writer/classified security officer at WPAFB as a contractor for 25+ years.

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Current BARC Member Interviews

(Continued from previous page)

I never lost my love for police work, and I bought a couple scanners. I heard some Ham traffic on the VHF and UHF frequencies, plus I started enjoying listening to shortwave and hearing all the HF activity. I bought a FRG100 receiver for my study at home and tuned in around the world.



A couple church pastotates and a few years later found me as pastor of First Baptist Church in Bellbrook. It was there I met Henry Bussey **W8TOG** (who led the singing), and he rekindled my interest in actually getting my HAM ticket. He introduced me to Fred Stone **W8LLY** (SK). Fred was one of the volunteer examiners when I took my Tech exam at the Sugarcreek Township meeting room. I joined BARC when the club met in the Bellbrook City building. A few years ago I upgraded to my General ticket.

I'm really just getting started in HF. I love to read all kinds of radio and other electronic journals. I'm planning on getting a better radio sometime in the future, as finances allow. I have built a radio shack/office in my attached garage. When you live in a ranch in Kettering with your wife, daughter and son-in-law, granddaughter, disabled sister-in-law, two dogs, one cat, two hampsters, and one guinea pig, you need an escape!

I have learned one vital lesson about radio transmission: Radio with all the bells and whistles are wonderful, but it's the antenna, the antenna, and oh--the antenna that makes the difference.

That's my story, and I am sticking to it

73, Jim, [KD8APT](#)

We Need Your Bio!

It's easy, just take any back issue of Full Quieting and use one of the bios as a sample.

Make it as long or short as you want.

Lot's of pictures (as a young Ham, with your family, or shack/antennas) are a big plus.



Misc BARC Info

REGULARLY SCHEDULED NETS

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

Sundays 1900 Newcomers & Elmers Net (Cincinnati) 146.670 (-) (123.0 PL) Sundays 2000 BARC Weekly Net 147.045 (+) (no PL) [Alt = 443.675]

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

Winlink Tuesdays GCARESWinlink 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 Opportunities

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 [Treasurer](#)).

AmazonSmile Rewards Program BARC is registered in therewards program:AmazonSmile. Charitable and non-profit organizations receive 0.5% of total purchase price (small but it adds up over time). A web page of basic Q&A info on the AmazonSmile program is available at: http://smile.amazon.com/about/ref=smi_se_ft_abt_saas When you sign up for AmazonSmile, simply select Bellbrook Amateur Radio Club as your preferred charity when prompted. AmazonSmile is a simple and automatic way for BARC members (and family and friends) to support BARC, at no cost to you, every time you shop at Amazon. Just log in to Amazon like you usually do and you'll be asked if you want to use AmazonSmile. Just click YES and you're ready to shop. When you shop at smile.amazon.com, you'll find the exact same low prices, vast selection & convenient shopping experience as Amazon.com, with the added bonus that Amazon will donate a portion of the purchase price to BARC. So, be sure to register for BARC in AmazonSmile the next time you shop at Amazon and then select the AmazonSmile option.

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 [BARC Treasurer](#) for details

