

Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



September 2024 — Issue 37

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From the President & Editor

Greetings,

Happy September, and the last bit of summer before fall sets in. Enjoy your radio in the great outdoors before cold weather sets in (yeah, it's gonna be awhile, given the near 100 degree heat this late August as I write this).

On Sept. 7th, we are setting up at Hueston Woods (north of Oxford) for the annual Ohio State Parks on the Air event. This is also our BARC Fall Field Day event.

On Sept. 21st, many of us will be supporting the USAF Marathon at WPAFB. Last I heard, they're still looking for volunteers.

Right after the marathon, on Sunday, Sept 22, and for the next 8 Sundays afterward, we will be conducting Technician License training classes. The exams will be on Nov. 24th, right before Thanksgiving.

Details for all these events are in this newsletter.

One last thing, it's time of the year to start up our elections for 2025 BARC Officers and Coordinators. We are thinking about trying a new process to nominate a decent slate of candidates for you to choose from. For this to work well, we need candidates willing to step up when called upon. Prepare your heart and mind for the opportunities that this will give you to grow and to help out the club you're so fond of. If you're approached about this it's because we feel you can do the job. Thanks!

73, Ray Hitt, [N8VMX](#)

BARC President & *Full Quieting* Editor

2024 BARC Officers and Directors

President: Ray Hitt, [N8VMX](#)

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

Secretary: Jim Gifford, [N8KET](#)

Treasurer: John Westerkamp, [W8LRJ](#)

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

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

2024 Coordinators

Clubhouse: Jim Lusk, [KC8EFD](#)

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

Contesting: Ken Gunton, [W8ASA](#)

Education: Paul Sharp, [WS8R](#)

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

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

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

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

IT: John Westerkamp, [W8LRJ](#)

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

Net: Paul Sharp, [WS8R](#)

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

QSLs: Roger Hoffman, [WB9BXT](#)

Repeater: Russ Roysden, [N8NPT](#)

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

Webmaster: John Westerkamp, [W8LRJ](#)

BARC Net: Every Sunday, 8 PM Local

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

Directions to BARC Clubhouse and Comm Center

Rooms 1 & 3 Lower Level Sugar creek Elementary School

51 S. East Street, Bellbrook (One block east & one block south from the traffic light in downtown Bellbrook)

Enter at South end of building

Member Interviews

BARC wants to hear from you!

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

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

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

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

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



What's Up BARC?

What's Up BARC?

Ray Hitt, [N8VMX](#)

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



Welcome New BARC Members!

Justin Cormany, KD8WEK, General
Renee Simmons, KF8BDN, Technician
Jim Schuette, KF8BZO, Technician

Full Quieting Awarded 1st Place in 2024 Ohio Section Newsletter Contest

The *Full Quieting* Newsletter was awarded 1st place for the 2024 ARRL Ohio Section Newsletter Contest. [According to Ohio Section Public Information Coordinator](#), Elizabeth Klinc, [KE8FMJ](#), the scoring is based on five criteria — Content, Audience, Visual, Contact, and Call to Action.

I wanted to thank all the contributors over 2024 to help make Full Quieting the best in Ohio. While my editing was recognized, and I am thankful for that; the content you submitted and our club's mission and call-to-action expressed each and every month really set us apart in my opinion. I'd like to continue this success into 2025, so keep those articles coming, and stay involved in our many varied club activities!

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



What's Up BARC? (continued)

Bellbrook Lion's Club Parade Support

The Bellbrook Lions Club parade was Saturday August 24, 2024, 4 P.M. We had a large contingent of operators that covered the speaker's podium, stations along the parade route, merging of walking and vehicular units at Little Sugarcreek and Franklin, vehicle lineup on Vemco, and of course Net Control, Big Kanuna (KB8PSL), and the BARC President and Vice President in "Tail-end Charlie". Thanks to all who turned up on what turned out to be a dry but hot and humid day. Here are some photos from the Parade, so enjoy.



What's Up BARC? (continued)

Bellbrook Lion's Club Parade Support (continued)



What's Up BARC? (continued)

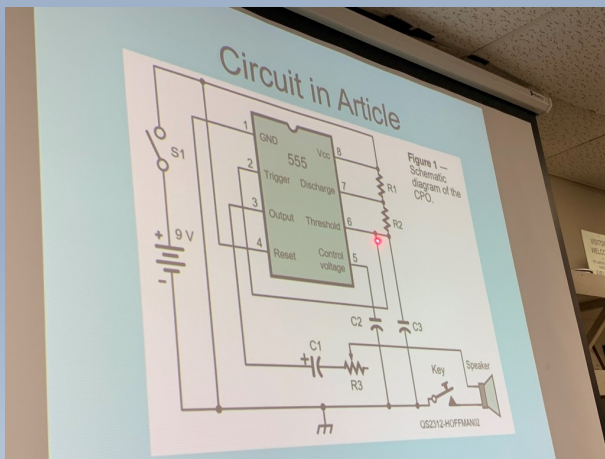
BARC July Tech Night

On Wednesday evening, July 31st, Tim Procniar, N8NQH, held a Tech Night devoted to building a code practice oscillator. The original article came from the Dec 2023 issue of QST. We adapted the published article to some relatively high quality surplus computer speakers that were available at Midwest Surplus. Each kit, including speaker set, parts, and circuit board was \$10 cost.

Some soldering was involved, so Ray Hitt, N8VMX assisted for those who didn't want to solder, however a few members did try their hand at it. We may add another soldering class so that more club members pick up this critical skill.

After the night, 9 out of the 11 kits were operational, tested and calibrated for the output tone. The other two received some rework and were available later on. Hopefully this will lead to some more CW operators for the club!

{Editor's Note: This Tech Night was too late in the month to meet publication date for August's issue}



What's Up BARC? (continued)

BARC August Tech Nights

Ray Hitt, N8VMX, held two Tech Nights, on August 21st and 28th. The topic was setting up Raspberry Pi DMR hotspots. Hotspots are used to connect a DMR Radio to the Internet when a repeater is not available or inconvenient. DMR hotspots also can carry DStar, Yaesu System Fusion (YSF), P25 signals too, so if you have these radio types, you may also be interested in hotspots.



The two Tech Nights covered setting up a Pi-Star hotspot on the 21st, and a WPSD (WØCHP Pi-Star Dashboard) on the 28th. There were 6-7 attendees. Everyone learned something, even the teacher!

For Sale

I have the following items for sale .. all belong to KA9UMR ..

~~Icom IC-7300 .. \$750 .. SOLD~~

MFJ-4230mv 30 amp switching power supply.. \$100

MFJ-971 tuner .. \$100

~~MFJ-260 300 watt dummy load .. \$50 .. SOLD~~

Yaesu FT-4X hand held with spare battery .. \$75

Complete POTA setup ..

Icom IC-705 with spare battery.. \$1000

Icom LC-192 back pack for the 705 .. \$100

Icom AH-705 antenna tuner .. \$175

Buddipole POWER Mini .. \$100

12 volt external battery Bioenno Power 12v-15ah .. \$100

2- Chameleon MPAS 2.0 antenna systems .. \$350 each

Chameleon CHA Sling bag .. \$50

Chameleon CHA Hybrid-Micro .. \$150

Vibroplex Iambic Standard paddle \$125

Contact Stu K8ST .. info below ..

stu holzer (K8ST)

7836 millerton drive

centerville, ohio 45459

cell: 937.361.9199



What's Up BARC? (continued)

OSPOTA/Fall Field Day Event at Hueston Woods State Park

Bob French, AC8ZU, has reserved the [Hueston Room](#) at Hueston Woods State Park for BARC use for the [Ohio Parks on the Air](#) event on Saturday, September 7th, from 10am until TBD. This is a contest, but has dual use because this is also a [POTA](#) site, so operators can get POTA points for their contacts as well as OSPOTA points. It also is an unofficial BARC Fall Field Day event, so expect it to be fun.

You don't have to bring a radio to participate, but if you do decide to bring a radio, please coordinate with Bob French so we don't jam each other! Three or four radios should be plenty. More specific information will come out soon, so if you're interested, contact Bob French, AC8ZU at bobf@omegaid.com. We will talk about this at the next POTA meeting, Tuesday Sept. 3rd at 6:30pm

Air Force Marathon Needs A Lot Of Ham Volunteers!

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

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

Click on REGISTER

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

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

Click on the pulldown arrow of Volunteer With Us!

Select "Volunteer on Saturday..."

fill out the personal information

Be sure to enter your callsign in the space provided.

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

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

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



What's Up BARC? (continued)

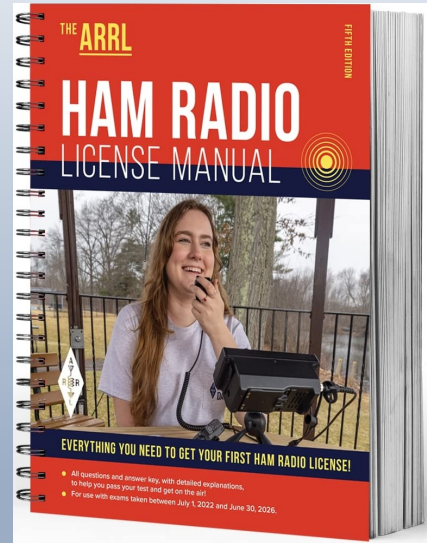
Technician Amateur License Training Classes Starting on September 22, 2024

Do you want to obtain an FCC amateur radio license? The Bellbrook Amateur Radio Club (BARC) is offering Amateur Radio license classes starting Sunday, September 22, 2024. The classes will meet from 7 to 9 p.m. each Sunday through November 17th. A test for all classes of licenses will be given November 24th at 6 p.m. by the Greene County Amateur Radio Emergency Service (GCARES).

There is no charge for the class and Morse Code is no longer required to obtain any amateur radio license. The entry-level Technician class is held at the BARC Clubhouse, Room 1, former Sugarcreek Elementary School, 51 South East Street in Bellbrook. No experience is required and there is no minimum age required to earn a Technician class license. To register for the class, you may email Paul Sharp at psharp1@woh.rr.com.

A textbook may be purchased from the Amateur Radio Relay League (ARRL) at <https://www.arrl.org/shop/Licensing-and-Education/> or on Amazon.

Jim Gifford, N8KET

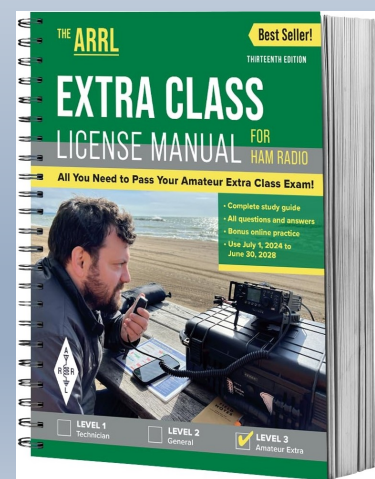
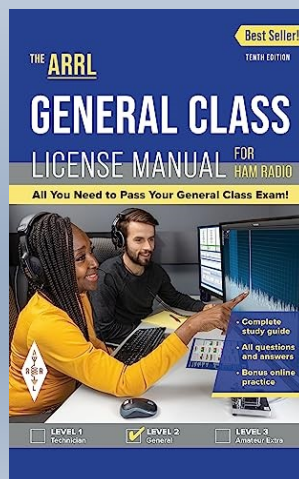


General and Extra Amateur License Training Classes Starting on September 22, 2024

If you have an FCC-issued Technician license for amateur radio, and you want to obtain a higher-level General Class license, free classes will be held soon. The Greene County Amateur Radio Emergency Service (GCARES) will offer General Class upgrade sessions on Sundays from 4pm to 6pm starting on September 22nd through November 17th. Classes will be held in Beavercreek at a location to be announced. Extra Class upgrade sessions may be offered if there is sufficient interest. For General and Extra classes, contact Bob Baker N8ADO at 937-477-3431.

A textbook may be purchased from the Amateur Radio Relay League (ARRL) at <https://www.arrl.org/shop/Licensing-and-Education/> or on Amazon.

Jim Gifford, N8KET



What's Up BARC? (continued)

BARC Family and Friends Chili Dinner

On **Thursday October 17, 2024 at 6:30 PM** (note the early start time) at the BARC General Meeting we will have our Annual BARC Family & Friends Chili Dinner followed by a short meeting.

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!

Tink
KD8NUA



Officer, Director, and Coordinator Inputs

Treasurer: John Westerkamp, W8LRJ: August was a good month financially. We did receive the final payments on the anonymous \$2000 donation for the Bandpasser II filters. The filters have been purchased and installed. We also received a donation of \$308.00 to cover the cost of a new mobile radio for the Bellbrook Police Department to support BARC's Emergency Communications role. Thank you, thank you!

We also auctioned off equipment from the estate of Fred Stone, W8LLY, a founding member of BARC, and raised almost \$1000. Thank you all for supporting our auctions!

We continue to be in great financial shape.

Repeater: John Westerkamp, W8LRJ: There are two regular Nets on the BARC 2m repeater. The Worldwide Friendship Net is on from 10 am until 11 am every day of the year. Our own BARC Net meets every Sunday evening at 8:00 pm. The 2m repeater is on 147.045 MHz with a positive offset and 118.8 Hz tone.

A reminder that when using Allstar or Echolink, if the repeater is in constant use and unable to drop the carrier, a local user will not be able to send a *73 to disconnect and the connection will remain active forever! I have since taken steps to prevent this, but if it happens to you, please text me at 937-271-3119 and I can disconnect the node for you. You can also use the Contact Form on the website to reach me.

Website: John Westerkamp, W8LRJ: Be sure to watch the website for details on the upcoming Ohio State Parks on the Air outing at Hueston Woods! Other upcoming events include the BARC Chili Cook-Off and elections.

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

Communication Center: John Westerkamp, W8LRJ: We decided to repair the existing fan dipole and purchased a high-power 1:1 balun. We also replaced the hoist ropes for the 160m inverted-L and the fan dipole with Mastrant as the old ropes were deteriorated and failing. The new setup should last a long time. We have completed the assembly of the antenna and are waiting for a nice day to raise the new fan dipole and test it.

The Bandpasser II filters have been installed so we now have a full complement of bandpass filters at each station. These will help reduce interference during contests and other BARC radio events.

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

Secretary: Jim Gifford, N8KET: As secretary I took notes at the planning meeting and minutes at the general membership meeting. I wrote two press releases: one for the Technician courses and one for General and Extra. The Technician release was coordinated with the BARC officers and coordinators; the General and Extra release was coordinated with Bob Baker. These releases were sent to local media outlets.

I also helped clean out much of Fred Stone's ham radio equipment over two days, and I assisted in unloading at the clubhouse.

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 MHz. For the 4 weeks in August 2024 there were approximately 72 check-ins lasting 151 exciting and informative minutes. Topics range from Open Mike, Parks on the Air, what are your plans for the summer, tell us about your longest contact, and what aspect do you like most about Ham Radio. We often have non BARC members checking in to enjoy the Net.

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



BARC September 2024 Event Calendar

Sun September 1, 2024

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

Tue September 3, 2024

6:30pm POTA SIG Meeting..... Where: BARC Clubhouse

Thu September 5, 2024

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

Sat September 7, 2024

10am Fall Field Day (OSPOTA)..... Where: Hueston Woods

Sun September 8, 2024

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

Tue September 10, 2024

11:15am Lunch Bunch.....Where: Culp's Cafeteria

Sun September 15, 2024

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

Thu September 19, 2024

7pm Membership Meeting Where: BARC Clubhouse

Sun September 22, 2024

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

Tue September 24, 2024

11:15am Lunch Bunch.....Where: City Barbecue

Wed September 25, 2024

7pm Tech Night Where: BARC Clubhouse

Thu September 26, 2024

7pm Dessert & Movie Night..... Where: BARC Clubhouse

Sun September 29, 2024

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





BARC Movie and Dessert Night



We've had quite the selection of movies this year and we only have two movies left of the **2024 BARC Dessert & Movie Night Season** and we're looking forward to **2025**. We try to include movies from different genres (comedies, historical, Sci-Fi, mysteries, Rom Coms, etc.), styles, old movies and newer releases. We really appreciate any recommendations, from you, to include on our future movie list.

We hope you can join us for our next two movies, this season, and don't forget to put BARC movie nights on your 2025 calendar.

As always our 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!

Upcoming Dates for Our 2024 BARC Movie & Dessert Nights:

- ✓ September 26, 2024 **The Meg II: The Trench**
- ✓ October 24, 2024 **Ghost Busters: Afterlife**

Past movies and desserts:

- ✓ January 25, 2024 **The Adventures in Baby Sitting**
- ✓ February 22, 2024 **Murder on the Orient Express**
- ~~✓ March 28, 2024 **Paul, Apostle of Christ**~~ **Cancelled due to scheduling conflict**
- ✓ April 25, 2024 **The Meg**
- ✓ May 23, 2024 **Mission Impossible: Dead Reckoning Part One**
- ✓ June 27, 2024 **The Call of the Wild**
- ✓ July 25, 2024 **Father Goose**
- ✓ August 22, 2024 **The Lost City**

We'll see you in September at the Movies!

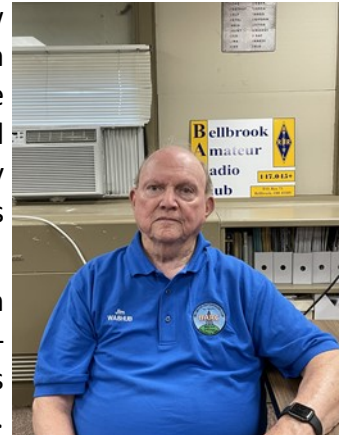
Tink/KD8NUA



Lunch Bunch

Jim Totten, [WA8HUB](#)

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



Now, how will the lunches be selected? Accompanying this information page is the same chart in last month's FQ listing our current set of restaurants. The September restaurants are highlighted. I updated all of the dates for all of the restaurants on our list. This includes the restaurants in 2025. This published list is the order we will select each lunch day. You now know what the whole order is and know what's coming next.

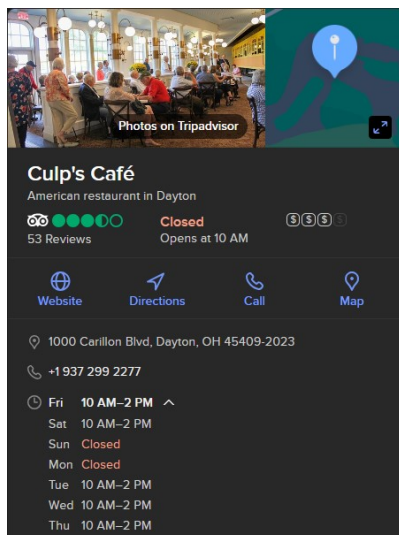
August Lunches were very interesting. August 13th we ate at the Yaffa Grill Mediterranean Food (now labeled on the outside as Mr. Shawarma & Grill, (no change on the menu or buffet). We had the choice of ordering off the menu or partaking of an excellent buffet. As usual I had the buffet. Richard Clark has asked me to coach him on the buffet the next time we eat there. On August 27th we were back south next to The Cornerstone Complex eating at the Chic-Fil-A. We had a good crowd. They had a new seasonal sandwich which was delicious.

Now for September!!! Our first stop is on Sept. 10, 2024 at Culp's Cafeteria. The process here is to walk to the counter, place your order and it is delivered to you. We ate there in January and nobody left hungry. Our second September lunch is Sept. 24th at the newest City Barbecue in Kettering. Plenty of parking and the food is just as good as any other City Barbecue.

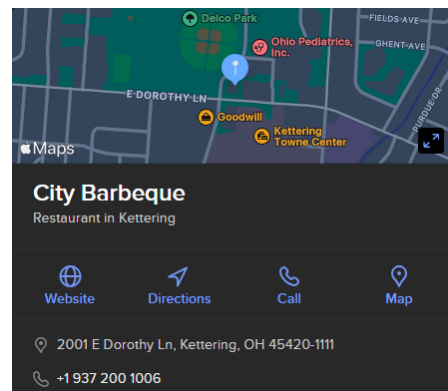
That's a wrap for this month. Happy eating.

73, Jim, [WA8HUB](#) {Editor's note: Restaurant addresses are below and on next page.}

Tuesday, Sept 10th, 11:15am



Tuesday, September 24, 11:15am



Lunch Bunch 2024 List

Jim Totten, [WA8HUB](#)

Date	Restaurant	Address	City	Phone Number
11/26/24	Cherry House Cafe	1241 Meadowbridge Dr.	Beavercreek, OH 45434	(937) 320-6200
12/10/24	Another Broken Egg Cafe 7:00 am to 2:00 pm	2453 Esquire Dr.	Beavercreek, OH 45431	(937) 912-5074
01/14/25	China Garden Buffet	112 Woodman Dr. Airway Shopping Center	Dayton, OH 45431	(937) 781-9999
01/28/25	First Watch 7:00 am to 2:30 pm	5245 Cornerstone North Blvd	Sugarcreek Twp, OH 45440	(937) 732-9013
02/11/25	Submarine House	3195 Dayton-Xenia Rd.	Beavercreek, OH 45434	(937) 429-8650
02/25/25	Roosters Wings	2430 N. Fairfield <i>The Shoppes at FC</i>	Beavercreek, OH 45431	(937) 702-9500
03/11/25	Golden Corral Buffet and Grill	2490 Commons Blvd.	Beavercreek, OH 45431	(937) 613-5478
03/25/25	Yaffa Grill Mediterranean Food	2844 Colonel Glenn Hwy	Fairborn, OH 45324	(937) 429-4959
04/08/25	Chic-Fil-A	5301 Cornerstone N Blvd	Sugarcreek Township, OH 45440	(937) 439-1700
09/10/24	Culp's Cafeteria	1000 Carillon Blvd	Dayton, OH 45409	(937) 293-2841
09/24/24	City Barbecue	2001 E. Dorothy Lane	Kettering, OH 45420	(937) 200-1006
10/08/24	Marion's Piazza	1320 N Fairfield Rd.	Beavercreek, OH 45432	(937) 429-3393
10/22/24	Red Robin	2671 Fairfield Commons Blvd.	Beavercreek, OH 45431	(937) 320-9800
11/12/24	Beavercreek Pizza Dive	4021 Dayton-Xenia Rd.	Beavercreek, OH 45432	(937) 431-8669



W8LLY Antenna Mysteries

Ray Hitt, [N8VMX](#)

I have a story to share regarding some antennas I came across recently at Fred Stone, W8LLY's (sk) house. Many of us were cleaning out his house at the request of his daughter. While cleaning out, I happened across some interesting military antennas, which I pulled aside to keep as mementos and preferably to actually use. I'm fond of military items, having worked as a USAF employee for so many years and retiring in 2022.

Many of you knew Fred, he was a founding member of BARC, a larger than life presence in Bellbrook, Sugarcreek Township, as well as Beavercreek, Xenia, Fairborn, and all of Greene County. Over time, he became well known in Montgomery County, then all of ARRL Ohio District 3. He set the stage for many of the things we do at BARC today, and I feel grateful to have known him and did events side-by-side with him over the course of many years.

Anyway, back to the antennas. Fred had a couple of these antennas (left) which I recognized as being collapsible whip antennas, the **AT-271A/PRC**. I purchased one last fall on impulse at the 2023 Fort Wayne Hamfest where there was a table full of them, so I was already familiar with them. I grabbed these two to add to my collection.



PRC-25 in harness with accessories
<https://www.n6cc.com/prc-25-radio/>

The AT-271A/PRC is still manufactured by [Tacticom USA](#) among others. It's meant to be mounted to the AB-591/PRC or AB-129/PR flexible base. This antenna and flexible base was used in several tactical manpack HF radios going back to the Korean War through present day (PRC-8, PRC-9, PRC-10, PRC-25, PRC-77, and PRC-104). Maybe some of you military veterans have used one of these radios during your service.

This antenna collapses down to under 17" long and has 7 spring-loaded elements that push into each other like a fishing pole. In fact, the nickname for this antenna is the "fishing pole". The end has a 3/8" x 24 threaded end which is the same threads used by Hamsticks and other ham antennas. This antenna can directly plug into my HF antenna mount on my car

(although I would only use it as a stationary antenna due to its being susceptible to buckling under wind load at highway speeds). It's an unusual length for a ham antenna, it's resonant around 25 MHz. It is possible to have this antenna resonate at higher frequencies by folding down some of the higher elements onto themselves and tying them back. I am interested in using this antenna for POTA. I have an MFJ -993BRT automatic tuner mounted at the base of this antenna and this antenna works pretty well for being only 121.5" (3.09 meters).



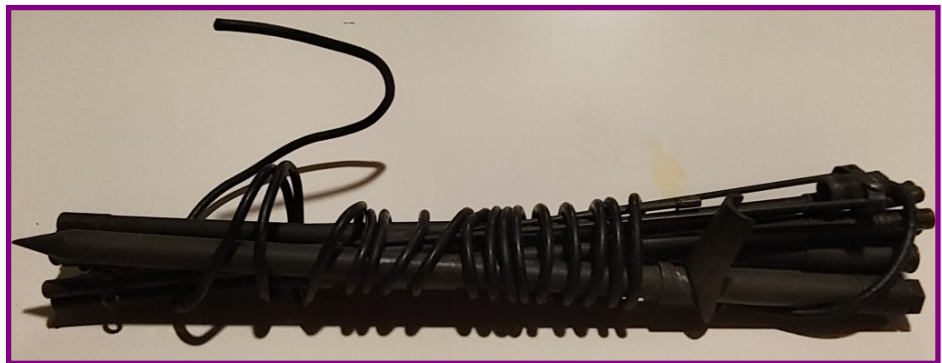
W8LLY Antenna Mysteries (continued)

I set up a test last fall with this antenna mounted at ground level with a ground stake and a window screen ground plane and contacted Central America on FT-8 after only a few minutes. I also would like to try two of these fishing pole antennas together as a horizontal dipole to see how that would perform. I just got a bracket from R&L that is meant to tie two Hamsticks together as a dipole that should work with these AN-271A antennas too. Stay posted, I'll let you know when that's been tried.



AS-83/PPN-1A

This antenna is quite interesting. Here's a picture of it folded up with its RG-58(U) cable wrapped around it (right). Unfolded, it is around 8 feet in length. On top, there are two elements that can be unfolded. They are not elements per se, but are actually counterpoises, or radials, and are electrically connected to the mast assembly itself, which is all grounded.



This unit is missing the top antenna element, so I may not be able to place it into service without doing some digging.

W8LLY Antenna Mysteries (continued)

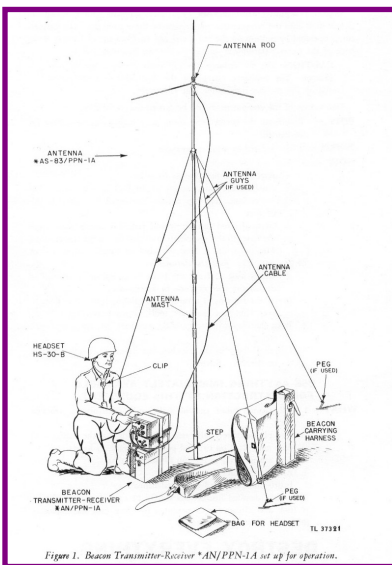
So, what was this unusual antenna used for? Turns out it is part of the PPN-1A Beacon. That doesn't say a lot, so some more sleuthing turns up some very interesting information.

The PPN-1A Beacon is the ground-based transponder meant to respond to an airborne ASV (Air-to-Surface Vessel) radar. It was developed in 1943 in the UK and eventually produced in the USA as well. The airborne component was referred to as "Rebecca" (short for "recognition of beacons"), while the ground component was referred to as "Eureka" (I have found it!).



The Eureka was used for guidance of incoming friendly aircraft for precise air drops of supplies behind enemy lines. They could also be used for blind bombing runs, or airfield landings. Special paratrooper units, "Pathfinders" would emplace these units to guide follow-on paratroopers to safe drop zones. They were used during D-Day to guide C-47 cargo planes towards drop zones.

There's a 2011 movie focused on the Pathfinders using Eureka and Rebecca, "[Pathfinders - In The Company of Strangers](#)". It would make for a great BARC movie night.



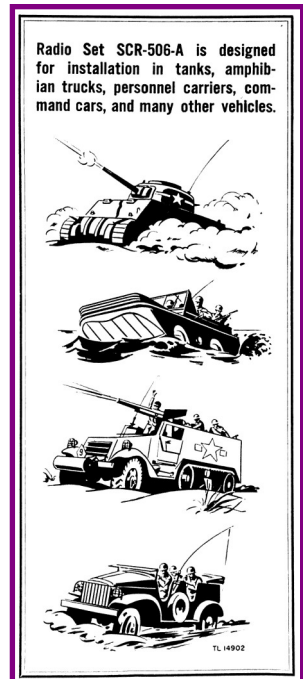
How it works, in layman's terms, is as follows. A radar pulse is sent out from the airborne ASV radar, received by the ground transponder (Eureka). Eureka then transmits a reply in the UHF band on a separate frequency than used by the ASV radar, received on the aircraft's Rebecca system. This was done to get away from all the ground clutter directly reflected from the ground on the radar's transmit frequency. The time delay in receiving the reply is used to determine the exact distance between Rebecca and Eureka. There was also provision for coded messages in Morse Code in the reply that would aid in discriminating among multiple Eureka's and for other reasons limited only by your imagination.



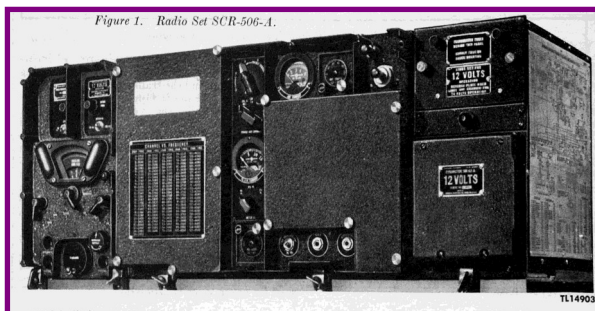
W8LLY Antenna Mysteries (continued)

BG-56-A

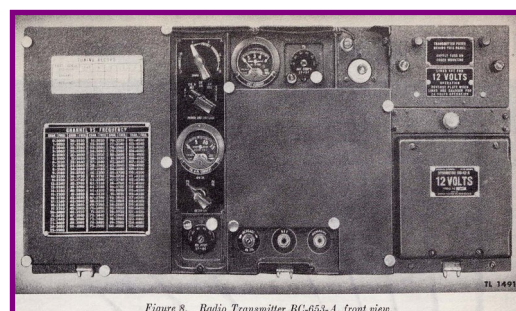
BG-56-A is nomenclature for a bag which, when opened, contained several mast segments that are to be screwed together. The end result was a sturdy vertical antenna over 15 feet long, or 25 feet with three additional bonus elements. It would need to be guyed when at the full 25 foot height. Alas, there was no mast base included in this bag, it was missing. Unfortunately, the screw threads in these mast elements were not the standard 3/8" x 24 that I am used to seeing, so I can't adapt it to typical modern bases either. I'm still working on a plan to make use of these mast pieces.



But what were these masts used for? Some more sleuthing was in order. I found reference to this bag of elements in the SCR-506-A Radio Set. Army TM 11-630 provided a complete description of this Radio Set. It was meant for installation in military vehicles of many types, some examples of which are shown in the picture above. The radio operated AM or CW from 2-4.5 MHz and provided up to 90W transmit power (on CW). Its receiver and transmitter combined consumed 56 amps at 12V or 36 amps at 24V. A dynamotor converted the vehicle power to the voltages needed by the radio. This makes me greatly appreciate modern solid-state transceivers!



SCR-506-A Receiver



BC-653-A Transmitter

(Continued on next page)

[Back to Table of Contents](#)



W8LLY Antenna Mysteries (continued)

Here's a picture (left) of the antenna, the various mast sections, the guy wires, mast base, and so on. This would be an excellent POTA antenna if I could get the missing pieces to complete the setup.

I'll continue to investigate how to get these wonderful pieces of military history into use in my amateur radio HF use in the future. If anyone has ideas on how to adapt these pieces into modern gear, please reach out to me, it would make a great project which of course I would write about in a follow-on article.

73, Ray [N8VMX](#)

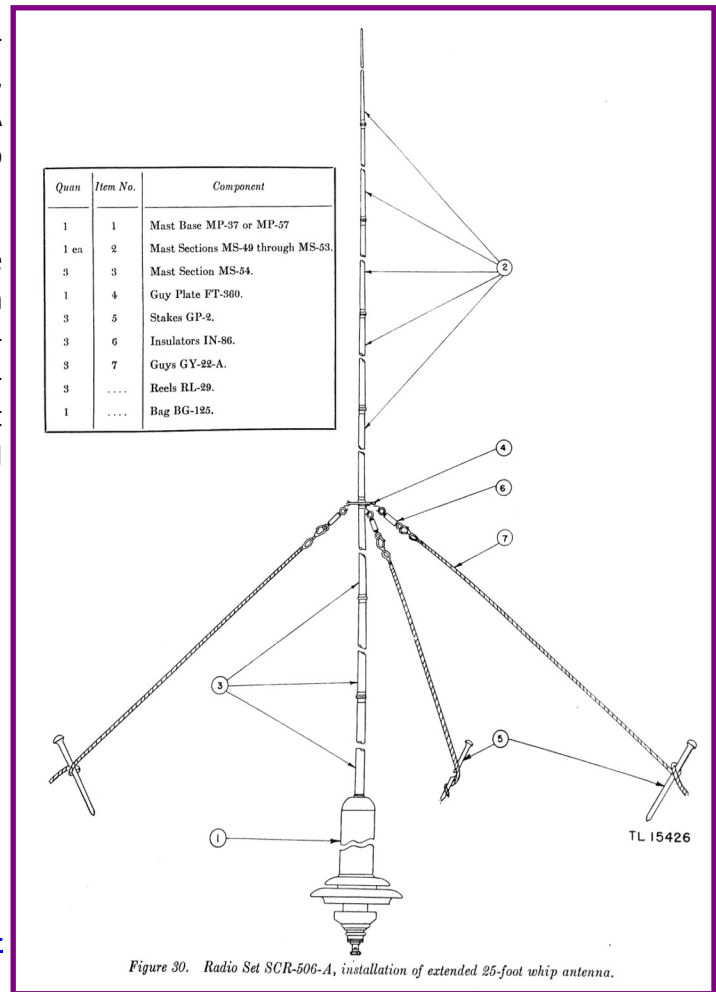
References:

<https://www.prc68.com/I/AT271.shtml>

<https://www.n6cc.com/prc-25-radio/>

[War Department Technical Manual TM 11-1140A \(16 May 1944\) \(declassified\)](#)

[War Department Technical Manual TM 11-630 \(November 1944\) \(declassified\)](#)



Answers to Amateur Radio Test Questions on [pages 23-25](#)

Technician

T1F04 (C) [97.119(b)(2)]

T7C05 (A)

T8B07 (C)

T7A05 (D)

General

G9A06 (D)

G5B01 (B)

G4C08 (A)

G1C06 (D) [97.313]

Amateur Extra

E8B08 (D)

E1D07 (A) [97.207]

E1B09 (C) [97.407]

E6A09 (A)

Special Event Stations

Paul Sharp, [WS8R](#)

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

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

https://www.qsl.net/va3rj/spevents_dx.html.

Here is my pick of the litter of SES that I think will be of interest to my fellow BARC members. Once again, something for everyone! This month there are SES for Commemorating: First two-way trans-global radio communication, Route 66, Coast Guard, USS Midway, and the one you have all been waiting for: "The Highest Point in Arkansas", and POW MIA.

09/05/2024 | Re-enactment of the First Trans-Global Two-Way Radio Communication. Sep 5-Dec 26, 0000Z-2359Z, ZM100DX, Many locations, NEW ZEALAND. Radio Society of Great Britain and New Zealand Association of Radio Transmitters (Otago Branch). All bands and all modes depending on operator availability. QSL. See website, for, information, NEW ZEALAND. www.gb2nz.com

09/07/2024 | Commemorating the Danbury Railway Museum's 30th Anniversary and First Responders Day. Sep 7, 1400Z-2000Z, W2MNR/W1QI, Danbury, CT. Metro-North Railroad Amateur Radio Association (W2MNR) and Candlewood Amateur Radio Association (W1QI). 7.235 14.235; other frequencies as conditions permit. Certificate. PDF certificate available on request. www.cararadioclub.org

09/07/2024 | Route 66 On The Air. Sep 7-Sep 15, 0700Z-1559Z, W6Q, Brookfield, IL. Citrus Belt Amateur Radio. 28.366 14.266 146.970 443.300. QSL. Mike Huedepohl, 3532 Raymond Ave., Brookfield, IL 60513. We will be operating HF, CW, SSB, FT8 and FM. w6jbt.org

09/07/2024 | Route 66 on the Air. Sep 7-Sep 15, 0000Z-2359Z, K9ONA, Brookfield, IL. Six Meter Club of Chicago. 28.366. QSL. Mike Huedepohl, 3532 Raymond Ave., Brookfield, IL 60513. <https://www.k9ona.com>



Special Event Stations (continued)

09/08/2024 | 9-11 Remembering Our Heroes. Sep 8-Sep 12, 0000Z-0000Z, K4A, Cordova, AL. Alabama Contest Group/WA1FCN. 7040 14040 21040 28040. Certificate & QSL. Robert Sarnecki NF7D, 591 Deer Run RD, Alabaster 35007, OT. Certificate for 3 QSOs on 3 bands any mode/band combination. wa1fcn@charter.net or <https://alabamacontestgroup.org>

09/08/2024 | Blue Ridge Bonanza. Sep 8, 1300Z-2100Z, W4CA, Roanoke, VA. Roanoke Valley Amateur Radio Club. 7.265 14.265. QSL. Roanoke Valley ARC, P.O. Box 2002, Roanoke, VA 24009. Multiple stations and frequencies, 20 and 40 meters, along the Blue Ridge Parkway. See website for frequencies and QSL card information. <https://blueridgebonanza.info>

09/14/2024 | Commemorating the 85th birthday of the United States Coast Guard Auxiliary. Sep 14-Sep 15, 1415Z-1515Z, N2S, Cape May, NJ. United States Coast Guard Auxiliary. 14.310 7.250 18.200. Certificate. Mike Slepian, 12 Continental Lane, Marlton, NJ 08053. The United States Coast Guard Auxiliary is the volunteer component of the US Coast Guard. We work directly with the Coast Guard in support of an amazing array of missions including search and rescue, on water patrols, communications, public education, watch standing, training and much more. This station will be operating from the historic "shack" originally a Coast Guard station built in 1890, now the meeting place for the Auxiliary Cape May Flotilla. www.cgaux.org

09/14/2024 | Commemorating the USS Midway's commissioning on 9/10/45. Sep 14, 1600Z-2300Z, N1G1W, San Diego, CA. USS Midway Museum Ship. 7.250 14.320 14.070 PSK31 DSTAR on Papa system repeaters. QSL. USS Midway Museum Ship COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101. www.qrz.com/db/n1g1w

09/14/2024 | Highest Point in Arkansas. Sep 14-Sep 15, 1400Z-1700Z, W5NX, Springdale, AR. Bella Vista Radio Club. 14.040 14.260 7.040 7.260. QSL. Don Banta, 3407 Diana Street, Springdale, AR 72764. Portable operation from Mount Magazine, highest point in Arkansas. See <https://www.qrz.com/db/W5NX> for QSL information. <https://bellavistaradioclub.org>

09/14/2024 | Route 66 On the Air. Sep 14-Sep 22, 0000Z-2359Z, W6H, Rio Rancho, NM. Albuquerque DX Association. 3.866 7.266 14.266 14.033. QSL. Bill Mader, 4701 Sombrerete Rd SE, Rio Rancho, NM 87124. Part of the annual Route 66 On-the-Air event. <https://adxa.groups.io/g/main>



Special Event Stations (continued)

09/18/2024 | National POW MIA Recognition Day. Sep 18-Sep 22, 0000Z-2359Z, K4MIA, Loxahatchee, FL. PBSEC. 7.195 14.265 18.150 28.400. QSL. Michael Bald, 6758 Hall Blvd, Loxahatchee, FL 33470. Observances of National POW MIA Recognition Day are held across this country on the third Friday in September each year. This year it will be on September 20. The day was established to honor our prisoners of war and those who are still missing in action. This will be the 16th year the special event station has been activated. Again, this year K4MIA/ will be operating from multiple military ships. There will be 15 sister stations K4MIA/1 through K4MIA/8 in operation. Days listed above are primary operational days. Modes used will be, SSB, CW, FM, digital modes, SSTV, Satellite and possible EME again. See QRZ (K4MIA) for a lot more information and a copy of this year's QSL card. Because of the volume of requests, you MUST SEND SASE to get a returned QSL. Please take time to remember our POW's, MIA's, KIA's as well as their families.

09/20/2024 | National POW/MIA Recognition Day. Sep 20, 1800Z-2100Z, N3TAL, Lanham, MD. American Legion Post 275 A.R.T. 7.275 Mhz (+/-) LSB. QSL. American Legion Post 275 Amateur Radio Team, 8201 Martin Luther King Jr Hwy, Lanham, MD 20706. N3TAL275@gmail.com or www.qrz.com/db/n3tal

09/27/2024 | WWV 105th Anniversary. Sep 27-Oct 1, 0000Z-2359Z, WW0WWV, Fort Collins, CO. WWV Amateur Radio Club. 7.048 7.248 14.048 14.248. QSL. WWV ARC, PO Box 273226, Fort Collins, CO 80527. We will be on during a 96-hour period. Please see the operator's schedule on the WWVARC website (above) and QRZ.com during the event for bands and modes. If you are interested in operating in this event and joining the WWVARC, write to secretary@wwvarc.org. Include \$2 to cover the costs of production and distribution when requesting QSL cards. 73! <https://wwvarc.org>

09/28/2024 | Volcano Days WV Oil and Gas History. Sep 28, 1400Z-2200Z, W8PAR, Parkersburg, WV. Parkersburg Amateur Radio Klub. CW 14.050 PH 14.250 CW 7.050 PH 7.200 FT8 on 20 & 40. Certificate & QSL. Jerry Wharton, 1722 20th St, Parkersburg, WV 26101. Relive an exciting chapter in WV history! www.w8par.org

09/29/2024 | Re-enactment of the First Trans-Global Two-Way Radio Communication. Sep 29-Oct 26, 0000Z-2359Z, GB2NZ, Many locations, UNITED KINGDOM. Radio Society of Great Britain and New Zealand Association of Radio Transmitters (Otago Branch). All bands and all modes depending on operator availability. QSL. See website, for, information, UNITED KINGDOM. www.gb2nz.com



Amateur License Test Questions

Answers are on [page 19](#).

Technician

T1F04

What language may you use for identification when operating in a phone sub-band?

- A. Any language recognized by the United Nations
- B. Any language recognized by the ITU
- C. English
- D. English, French, or Spanish

T7C05

Why do most solid-state transmitters reduce output power as SWR increases beyond a certain level?

- A. To protect the output amplifier transistors
- B. To comply with FCC rules on spectral purity
- C. Because power supplies cannot supply enough current at high SWR
- D. To lower the SWR on the transmission line

T8B07

What is Doppler shift in reference to satellite communications?

- A. A change in the satellite orbit
- B. A mode where the satellite receives signals on one band and transmits on another
- C. An observed change in signal frequency caused by relative motion between the satellite and Earth station
- D. A special digital communications mode for some satellites

T7A05

What is the name of a circuit that generates a signal at a specific frequency?

- A. Reactance modulator
- B. Phase modulator
- C. Low-pass filter
- D. Oscillator



Amateur License Test Questions (continued)

General

G9A06

In what units is RF feed line loss usually expressed?

- A. Ohms per 1,000 feet
- B. Decibels per 1,000 feet
- C. Ohms per 100 feet
- D. Decibels per 100 feet

G5B01

What dB change represents a factor of two increase or decrease in power?

- A. Approximately 2 dB
- B. Approximately 3 dB
- C. Approximately 6 dB
- D. Approximately 9 dB

G4C08

Which of the following would reduce RF interference caused by common-mode current on an audio cable?

- A. Place a ferrite choke on the cable
- B. Connect the center conductor to the shield of all cables to short circuit the RFI signal
- C. Ground the center conductor of the audio cable causing the interference
- D. Add an additional insulating jacket to the cable

G1C06

What is the limit for transmitter power on the 1.8 MHz band?

- A. 200 watts PEP output
- B. 1000 watts PEP output
- C. 1200 watts PEP output
- D. 1500 watts PEP output



Amateur License Test Questions (continued)

Amateur Extra

E8B08

What describes orthogonal frequency-division multiplexing (OFDM)?

- A. A frequency modulation technique that uses non-harmonically related frequencies
- B. A bandwidth compression technique using Fourier transforms
- C. A digital mode for narrow-band, slow-speed transmissions
- D. A digital modulation technique using subcarriers at frequencies chosen to avoid intersymbol interference

E1D07

Which of the following HF amateur bands include allocations for space stations?

- A. 40 meters, 20 meters, 15 meters, and 10 meters
- B. 30 meters, 17 meters, and 10 meters
- C. Only 10 meters
- D. Satellite operation is permitted on all HF bands

E1B09

Which amateur stations may be operated under RACES rules?

- A. Only those club stations licensed to Amateur Extra class operators
- B. Any FCC-licensed amateur station except a Technician class
- C. Any FCC-licensed amateur station certified by the responsible civil defense organization for the area served
- D. Only stations meeting the FCC Part 97 technical standards for operation during an emergency

E6A09

What is a depletion-mode field-effect transistor (FET)?

- A. An FET that exhibits a current flow between source and drain when no gate voltage is applied
- B. An FET that has no current flow between source and drain when no gate voltage is applied
- C. An FET that exhibits very high electron mobility due to a lack of holes in the N-type material
- D. An FET for which holes are the majority carriers



Editorial Policy and Style Guidelines for *Full Quieting*

Editorial Policy

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

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

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

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

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

Style Guidelines

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

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

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



Editorial Policy and Style Guidelines for *Full Quieting*

(Continued from previous page)

Use these style conventions

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

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

Use these formatting conventions:

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



Misc BARC Info

REGULARLY SCHEDULED NETS

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

Weekdays (Mon-Fri) 1130 DMR Net Brandmeister Talk group 310557. Accessible via hotspot, 444.875 (+) CC13 TS2(Dayton East), 444.4375 (+) CC11 TS2 (Dayton West)

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

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

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

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

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

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

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

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

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

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

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

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

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

ZOOM-Basic Setup & Configuration

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

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

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

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

