



Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



January 2022 — Issue 5

President's Podium

Thank you for your confidence in electing me and the rest of the Board. We are committed to continue making BARC a great Ham Radio club where everyone feels welcome and enjoys Ham Radio.



All of BARC's officers are excited about the opportunities to make sure that your club reflects your interests. This is our focus for the New Year.

73, Paul, [KD8OPN](#), President

At BARC, we are all volunteers. We are here because we want to be, we enjoy various aspects of Ham Radio and the friendships we make through Ham Radio.

Our club has a large variety of member interests ranging from Emergency Communication, Public Service, DX, contesting, CW, rag chewing, digital modes, VHF/UHF ops, and socializing and talking about Ham Radio. Our club has 4 stations with VHF/UHF and HF radios, power supplies, antenna tuners, monitors, computers all connected to a variety of antennas on the roof. **What this equipment needs are BARC members to operate it!**

Like many of you, I am an active Ham Radio enthusiast and operator. I served over 20 years in the United States Air Force in Program Management. I previously served BARC as Treasurer, Secretary, and now as your President and Net Control Coordinator. Together with the rest of the Board, our plan is to use our combined talents and skills to focus on operating, education/training, maintaining, making timely decisions, completing action items, and having fun. How are we going to do this? By actively soliciting your inputs on the capabilities you want BARC to have, the projects and activities you want us to pursue, and your help in making these happen.

Table of Contents

President's Podium	1
From the Editor	2
Ah, What's Up BARC?	3
Clubhouse News	5
DX - The Search for Distant Contacts	7
Education and Training	9
My Portable Operation	11
CW 'The Original Digital Mode'	13
BARC Member License Plates	14
ETO Fall 2021 Exercise	20
Kontest Korner	25
BARC Field Day Report	24
BARC Recipes - Ray's 2021 Cookbook	27
Special Event Stations On the Air	29
Hints and Kinks	31
My Story: New BARC Member Spotlight	32
Current BARC Member Interviews	33
Misc BARC Info	35

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 Wysong, [KE8LZE](#)
Junior Director: Don Parker, [KB8PSL](#)

2022 Coordinators

Clubhouse: Jim Lusk, [KC8EFD](#)
Comm Center: Ken Moak, [KM8AM](#)
Contesting: Ken Gunton, [W8ASA](#)
Education: John Westerkamp, [W8LRJ](#)
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](#)
Programs: Don Parker, [KB8PSL](#)
Public Service: Don Parker, [KB8PSL](#)
QSLs: Jim Gifford, [KD8APT](#)
Repeater: Russ Roysden, [N8NPT](#)
TechNight/Workbench: Trevor Clarke, [K8TRC](#)
Webmaster: Bob French, [AC8ZU](#)

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

It's my pleasure to provide a space for a few remarks from our outgoing BARC President, Jim, [WA8HUB](#):

"...In farewell I want to say it has been my privilege and pleasure to serve our wonderful club for two years. As you all know they have certainly be very unusual years. I went through the timelines last month so no repeating. Let me just say my job was greatly enhanced by the talent and support of officers and coordinators. I do intend to work with and in the club for a long time..." **73, Jim, [WA8HUB](#)**

It's 2022, and we're starting a major journey to energize BARC in many areas based on YOUR inputs.

This issue of *Full Quieting* is packed with YOUR BARC activities. Congratulations.

There is so much that this column will be very brief.

You'll soon receive several very important surveys sponsored by your Board. Please respond with your essential inputs to help guide the future of your club.

Thank You.

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](#)

19 Dec:	19 Mbrs.	35 Min.
13 Dec:	16 Mbrs.	34 Min.
5 Dec:	16 Mbrs.	31 Min.
28 Nov:	17 Mbrs.	30 Min.

WELCOME NEW MEMBERS:

- **Arthur Wright** is just getting started on becoming an amateur radio operator. He has been interested in radio since the 1950's and thought what better time than now! He's hoping to work all the way to Extra Class and is interested in Emergency and Public Service
- **Paul Sushereba, KE8SZD**, is a newly licensed Technician Class operator and is currently studying for his General Class license. He's very interested in DX, Emergency Communications, and Parks On The Air. I'm sure he'll find many members with similar interests!

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 clubs 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

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Ah, What's Up BARC?

What's Up BARC?

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Here's what some of our BARC friends have been up to...

Send your updates to the Editor

- **Jim, [W8UD](#)**, is working on a Loop On Ground (LOG) receive antenna. He also installed a new boom mic and footswitch at his station and is looking for a couple QRP Labs kits for Christmas
- **Rob, [WS8M](#)**, installed all Anderson Power Poles on all his equipment to enable standardized connection and interoperability during EM-COMM ops.
- **Randy, [KA0AZS](#)**, just resurrected two classic radios and has them on the air (where all radios belong!). His Kenwood TS-820 'hybrid' (TUBE and solid state) HF rig and his Kenwood TS-700A VHF rig. It delivers 2 meter operation in FM, LSB, USB, AM and CW modes.
- **Ken, [W8ASA](#)**, had an early Christmas when his XYL let him install his new Flex/403A PGXL amplifier. As far as we know, that's the fourth PGXL to drop into BARC shacks.
- **Jim, [WA8HUB](#)**, is working on installing an Ed Fong J-pole antenna outside his house. No more sitting in the car during the BARC net on Sundays!



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



Club House News

News and events regarding Activities at the BARC Clubhouse

145.045 Repeater Status: **New Repeater Ordered**

Sometime in late October 2021, the W8DGN 2m repeater, a Yaesu DR-1, failed.



The Repeater committee presented its recommendation to the Dec Planning Committee to buy a new BridgeCom BCR-50V (136-174 MHz) VHF repeater. This amateur radio repeater is digital ready, runs 50 watts continuous duty, and is compatible with our existing Allstar node (requires a new cable).

Cost \$1200.00 plus \$125.00 for a new cable.



The Planning Committee approved the purchase.

BARC Station Operating Requirements:

At the direction of the Planning Committee, we'll be collecting your operation requirements. We last accomplished this 5 years ago. This time, in addition to requirements from BARC Coordinators, we're asking ALL BARC Members for inputs.

We'll begin with the same types of operating that we outlined in the past. They were: EM-COMM, DXing, Contesting, and Rag Chewing. These activities cover a vast majority of BARC's major operating focus areas. Some have common basic requirements. Others are unique such as the need for good FLDigi support for EMCOMM, WARC band support for DXing, or quality logging support for Contesting.

As you think about these areas, please remember to make reasonable inputs. We'll try to find as many solutions as practical. BARC will use the same Systems Engineering approach that we discussed in the Antennas and Propagation column a few months ago. In addition to operational requirements, we'll identify our constraints and look for executable options for the club.

Please think about this in preparation for the effort kicking off in January.

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Club House News

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BARC Membership Questionnaire:

At the direction of the Planning Committee, we'll be sending a survey to every Member asking about your relationship with Ham Radio in general and specifically with BARC.

Your Planning Committee, led by Paul, [KD8OPN](#), is trying hard to understand why you're a Ham and why you joined BARC.

We do understand Ham Radio is a hobby, that everyone has a family life and work, and that Covid has had an impact.

We've over 120 Members, which is super, yet many appear not to be active on the air or with BARC. We'd like your help to understand why.

We're trying to figure out if there's something BARC can do or change to encourage more member involvement.

Please think about this in preparation for the effort kicking off in January.

We're truly trying to meet whatever your needs are....We just can't read your minds.

PLEASE take a minute to respond. Help all of BARC with your inputs

Operation Position News

In addition to providing the capabilities that you need, another thing we're doing is to make each position as user friendly as possible.



We finished our IC-7300 basic setup class in December. We're also preparing BARC-specific Quick Start guides that'll walk anyone through sitting down and operation on voice, CW, and basic digital modes. It'll include everything about setup you need to know from rigs, antennas, rotors, and logging.

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



DXing -The Search for Distant Contacts

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

We're looking for an experienced DXer to write this column

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

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

- **Stu, [K8ST](#)**, picked up three good ones in last month: **TL7M, Central African Republic; SV2RSG/A, Mount Athos; and S21DX, Bangladesh!**
- **Jim, [W8UD](#)**, nailed the **South Shetland Islands, VP8** on FT8 Fox and Hound (F/H) mode
- **Darryl, [KD8JQE](#)**, caught several juicy countries in December: **UW5EJX Ukraine, PY1KB Brazil, and PZ5RA Suriname.** He was on 15 mtrs, FT8 using his Icom IC-7300.
- **Ken, [W8ASA](#)**, worked a couple 'light pinks' including **New Zealand, ZL** on 10 mtr FT8 and **Kenya, 5Z** on 60 mtrs.
- **Ken, [KM8AM](#)**, worked another **All Time New One (ATNO)** when he worked the **UK Bases on Cyprus, ZC4** on 15 mtr phone. Thanks to the recent openings on 12 and 10 mtrs, Ken just confirmed the last QSOs for his **9-Band Worked All States (9BWAS) and 9-Band DXCC**

Last month we mentioned the **ARRL Incoming QSL Service:**
'The Bureau'

You can learn more here: [Incoming QSL Service \(arrl.org\)](https://www.arrl.org/incoming-qsl-service)

The important thing is to contact the person serving your call sign SUFFIX to arrange for the delivery of any incoming cards.

We happen to have the QSL Bureau person for the 8th call area for **suffixes starting with 'S'** as a BARC Member: He's our own **Steve Miller, [K8SJM](#)**.

You can find the name and email address for your suffix at the link shown above.



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DXing -The Search for Distant Contacts

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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 (Club League #129).



[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: 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"/> 2021	<input type="radio"/> 2020	<input type="radio"/> Last 12 months
Filter by club/continent:	BARC - Bellbrook Amateur Radio Club ▼		

Generate DXCC League

League for BARC - Bellbrook Amateur Radio Club

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6	DXCC ▼	Slots	Range
1	K8ST	67	111	113	183	211	301	222	202	137	153	55	334	1755	59 yrs
2	KM8AM+1	109	149	103	210	184	277	209	202	128	148	15	295	1734	44 yrs
3	W8ASA+2	66	95	106	160	160	236	205	178	127	151	29	264	1513	15 yrs
4	W8NU	52	87	102	170	137	211	161	163	113	82	6	241	1284	3 yrs
5	K8SJM	14	70	73	155	157	178	164	134	107	63	23	217	1138	3 yrs
6	W8LRJ	1	4	1	18	31	136	78	92	2	36	2	171	401	3 yrs
7	KA0AZS	0	36	0	60	81	106	94	110	36	54	7	136	584	43 yrs
8	W8DGN	4	40	0	61	0	111	3	110	0	95	1	134	425	7 yrs
9	AC8ZU+1	1	4	0	86	55	101	82	59	0	7	4	126	399	4 yrs
10	KD8OPN	4	3	0	85	0	102	36	11	1	2	1	126	245	4 yrs
		160	80	60	40	30	20	17	15	12	10	6			
11	W8UD	1	5	0	65	0	61	3	43	0	19	0	92	197	2 yrs
12	KE8LZD	0	2	0	21	0	57	22	14	0	4	0	73	120	2 yrs
13	KD8YNG	0	3	0	30	0	38	6	43	0	20	0	72	140	6 yrs
14	WB8AM	0	0	0	62	0	22	0	0	0	0	0	70	84	2 yrs
15	W6CDR	0	0	0	0	0	9	0	11	0	0	0	17	20	1 yrs



Education and Training

John Westerkamp, [W8LRJ](#)

The December Skills Night was a very special event (despite the snow)! Ken Moak, [KM8AM](#), presented an overview of the Icom IC-7300 HF radios we have at the clubhouse including basic operation of the radio (turn it on, tune, listen, talk).



First, Ken presented a brief overview of the IC-7300 operation emphasizing just the settings needed to get on the air. This generated lots of great questions and ended with **Ken assuring folks that they could not damage the radio and to dive right in.**



Before hitting the radios, though, the group was given a hands-on walk through of the antenna and rotor patch panels. Each person chose a station to operate at and then set up the rotor and antennas for their station. They each did it without any help!

Once connected to an antenna, each operator sat at their station and went through the radio “pre-flight” settings check to make sure the volume and RF gain settings were acceptable. If everything was ok, they moved on to set the microphone, ALC, and compression levels on the IC-7300 so they could sound great on the air. With the radio ready to go, the operators called CQ or listened for other stations with their new skills!

A very successful Skills Night that will certainly be repeated in the future.

A reminder that Ken Gunton, [W8ASA](#), also has a video tutorial on the IC-7300 on the BARC website that you are welcome to watch for more detailed information on the IC-7300.

Ham Radio Classes

Finally, you heard it here first, the **LOCAL License Classes are on!**

The first class will be Sunday, February 20, 2022. There will be 9 total class sessions every Sunday from 7:00-9:00 pm (except Easter Sunday).

A license exam will be scheduled for Sunday May 1.

The Technician class will be held at the BARC Clubhouse

The General class will be held at Beaver Creek Township Fire Department Station #61.

The Extra class will be held at Fairborn Fire Department. Watch for details and registration information on the BARC website.

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Education and Training

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The follow Online Class is sanctioned by the ARRL and approved by John, [W8LRJ](#) for publication in *Full Quieting*. Ed.

The General License classes will begin Sunday, Jan 16th, and run for six weeks. Classes are 1:30 to 4:00 PM and all students must pre-register.

Resources/Links

· Class Info- tiny.cc/beaham or [link \(https://docs.google.com/presentation/d/e/2PACX1vQU9aeMBJS5jeJn_Zz5bpxiFNKOdGkGePYGbXe_hk96aE2iabOZWtFcn4ONEdqMwsdnR6KTUQ4_jWNK/pub?start=false&loop=false&delayms=3000\)](https://docs.google.com/presentation/d/e/2PACX1vQU9aeMBJS5jeJn_Zz5bpxiFNKOdGkGePYGbXe_hk96aE2iabOZWtFcn4ONEdqMwsdnR6KTUQ4_jWNK/pub?start=false&loop=false&delayms=3000)

· Class Registration- [link \(http://tiny.cc/cfarc-gen\)](http://tiny.cc/cfarc-gen)



**AMATEUR
RADIO
CLASSES
GENERAL**

The Cuyahoga Falls Amateur Radio Club offers free online classes to get your Amateur (Ham) Radio General Class License. Classes start on Jan. 16th (available for all ages). For information, visit-



tiny.cc/beaham
What is Amateur (Ham) Radio?- tiny.cc/wiar

73, John, [W8LRJ](#)



My Portable Operation and How I Got To Where I Am

Larry Baker [KB8EMD](#)

Like a lot of Hams, my first portable setup was a “milk crate” with plywood shelves. It housed my Yaesu FT-757 GXII along with its power supply/speaker combo and a manual tuner. Being a packrat, I still have the milk crate, the radio, and the tuner. The antenna I used back in 1988 was a dipole in an Inverted-V configuration along with fiberglass military tent poles. Next, I moved on to using three sets of tent poles with a flat dipole and sometimes a mag-mounted Hustler whip on top of a 54 inch extension rod.

From there I purchased a 25 foot MGS telescoping mast from Max Gain Systems (MGS)

<https://mgs4u.com/fiberglass-push-up-masts/#masts>

I stuck with the MGS push-up mast for several years until it became apparent I needed an easier setup operation.

First, my milk-crate setup that had served me well for over 25 years was replaced with an aluminum tool case. I’ve replaced the manual MFJ tuner with a LDG auto tuner 200 Pro II , the Yaesu FT-757GXII radio with an Icom IC-706 MKIIG radio, and the power supply with a 20 amp lithium Ion battery LIFEPO4. Just those changes have reduced my load from being unmanageable to one that I can carry on my mobility scooter. I’m 80 years old and handicapped, hence the mobility scooter.

All the radio gear fits in the case except the antenna.



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My Portable Operation and How I Got To Where I Am

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I've replaced the 25 foot MGS mast and wire dipole with a "WOLF RIVER COIL" (WRC) vertical antenna. Everything is stored in a camera tri-pod carrying bag. Coax, WRC coil, expanding whip, tripod, and flags to mark the ground radials (which are wrapped around kite winders) are stored with the other items in the case.

<https://www.wolfrivercoils.com/>

The WRC coil can be adjusted from 10 meters to 80 meters; they make a shorter version as well designed for 10 through 40 meters.

Two ways I use the WRC antenna setup are: First, I use it the way it comes with the short two foot tripod, the coil and the 102 inch expanding whip and three 30 foot ground radials. The second way I use it is with a mag-mount mounted on the top of my car with only the coil and the whip no ground radials needed.

Both methods work really well. I've used both setups on several outings making lots of contacts.

As I've gotten older and going portable has become much harder. I'm very happy with my setup, and I'm looking forward to many more portable operations.

I do need to point out I was motivated to go with the Wolf River Coil antenna by Gary N8OI, Dan KD8YNG and Jerry KD8TVP.

Thanks guys.

73, Larry, [KB8EMD](#)

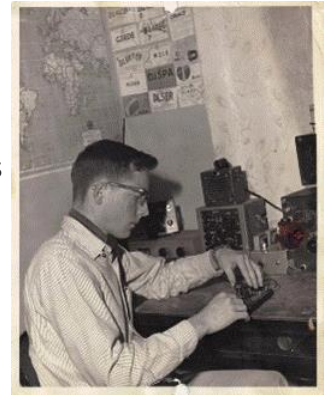


CW 'The Original Digital Mode'

Ken Gunton, [W8ASA](#)

Welcome to 2022!

I'm pleased to report that the worldwide CW community seems to be growing! More and more web sites are springing up almost every day with a focus on some aspect of CW. This is great news! Also, I see hams who have been "hors de combat" (out of action due to injury or damage. ED) for many years getting back on CW.



How many different apps do you use for learning CW? I follow several Facebook/Meta discussion groups regarding learning and operating CW. In these groups, some hams mention that they're using several apps and are not having much luck with CW. I submit that if you want to use an app, research to find one that works for you, and stick with that one. Don't focus on the app itself. Don't try to please the app. Relax. Focus on learning CW and actually practicing. Do you want to "get to Carnegie Hall"?

For those of you who already operate CW: Have you made a particularly memorable and interesting contact beyond the "normal" variety? Would you share that story? Send it to me, and I'll publish it in next month's edition.

At our recent membership meeting (thanks to Tink KD8NUA for feeding us!), George, [KE8SNS](#), approached me asking about setting up slow speed CW skeds or possibly a local net of some type. I thought that was a great idea, and encouraged him to organize it. He seemed enthused, so I hope he'll make it happen. We could even use one of the BARC repeaters for an informal CW net. See the notice on the [What's Up BARC](#) page.

If you want to make a slow-speed QSO sometime, send me an e-mail at ken@ohiomicrowave.com and we'll set a sked for a contact. I'll send as slowly as you want. Let's have FUN WITH CW! ... 73 until next month....

73, Ken, [W8ASA](#)



[CW Resources – CWops](#)



BARC Member Plates

Get Yours In Today!

Thanks to a comment by Tink, [KD8NUA](#), we have an opportunity to display a few of our BARC Member License Plates

Add yours to our BARC collection - just send a picture to the [Editor](#)



Stu Holzer, [K8ST](#)

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BARC Member Plates

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Jim Totten, [WA8HUB](#)



Clara Totten, WD8NPT

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BARC Member Plates

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Mark Crabtree, [N8PEP](#)



Steve Miller, [K8SJM](#)

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BARC Member Plates

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Ray Hitt, [N8VMX](#)



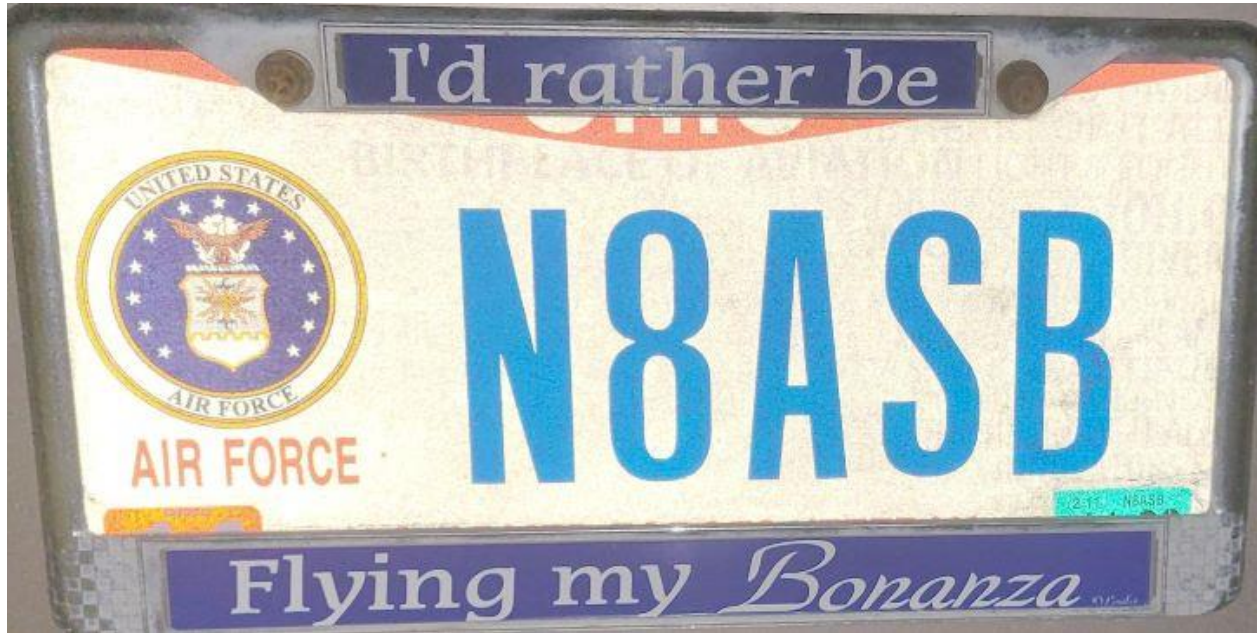
John Westerkamp, [W8LRJ](#)

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BARC Member Plates

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Daun Yeagley, [N8ASB](#)



Jim Lusk, [KC8EFD](#)

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BARC Member Plates

Get Yours In Today!

Karen Moak, KM8Q



Ken Moak, [KM8AM](#)



ETO Fall 2021 Exercise

Randy Allen, [KAØAZS](#)

In my previous article, I introduced you to the EmComm Training Organization (ETO) and their Winlink Thursday training sessions and semi-annual exercises. This time we'll take a look at their latest exercise Operation "Cyber Wind" which took place on 14 November 2021.

In the lead up to the exercise, ETO held several weeks of Winlink Thursday sessions that introduced operators to various forms and to Peer to Peer (P2P) operations.

Standard Winlink operations involve uploading messages to an RMS (Radio Message Server/Remote Message Server) that then forwards it to one of the Central Message Servers (CMS) using internet connections. It's basically e-mail much as it was in the days of dial up modems before constant internet connections. Except that you connect to an RMS using RF over amateur radio rather than a telephone modem. That RF can be UHF, VHF, HF or MESH (You can also use internet if available using the Telnet feature).

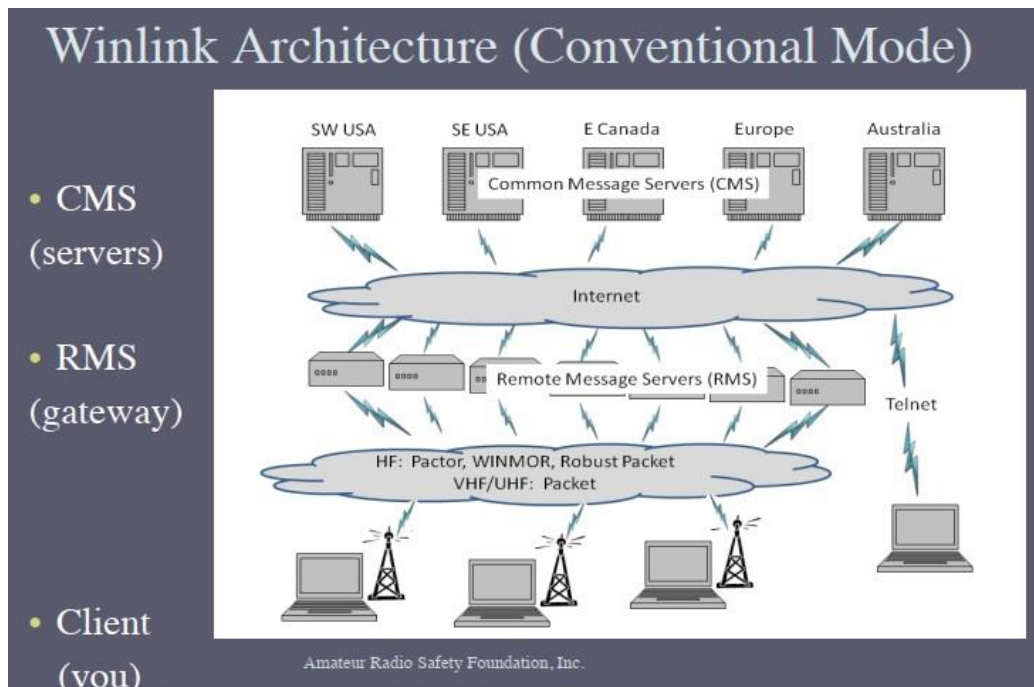


Image Source: KN6KB Presentation, Winlink Website: https://winlink.org/content/2016_winlink_presentation_seven_seas_cruising_association

P2P messaging uses a direct RF connection between two amateur stations and does not require an internet connection. The receiving station (designated as Target Stations for this exercise) forwarded received messages to the appropriate ETO regional station.

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ETO Fall 2021 Exercise

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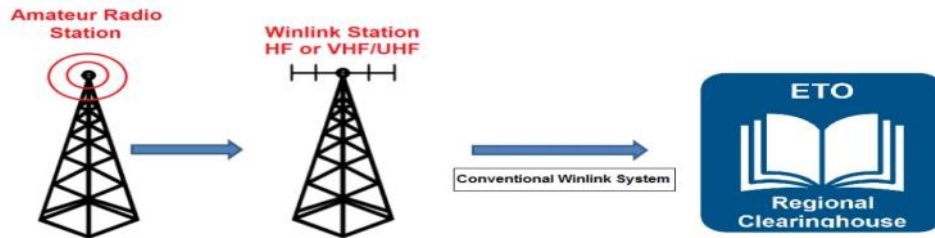


Image Source: ETO Fall 2021 Scenario and guidelines document P7

The Basic exercise was for an operator to reply to an ICS-213 form that had been sent to them via Winlink during the previous week sometime between 6 AM and 6 PM local time. That reply was to contain answers to questions in the original message.

General Message (ICS 213) EmComm Training Organization (ETO)		
1. Incident Name: Cyber Wind		
2. To (Name/Position): All EmComm Training Organization (ETO) Participants		
3. From (Name/Position): ETO-05		
4. Subject: ETO Participants 11-13 Exercise questions	5. Date: 2021-11-13	6. Time: 11:57
7. Message:		
1. What is your city/town and state? 2. What are your coordinates? 3. Do you have emergency power? If so, what types? 4. Do you have HF and/or VHF Digital Mode? 5. Are you capable of P2P operations? 6. Are you capable of using Vara HF mode? 7. Are you capable of HF/VHF mobile and/or portable digital mode operation? If so, describe. 8. Do you have VHF Packet mode capability? 9. Do you have a VHF/UHF RMS Winlink station that you can successfully utilize? If so, what is its call and frequency? 10. Can you operate independently for a period of 12 hours or more?		
8. Approved by: EmComm Training Organization	Position / Title: ETO exercise team	
9. Reply:		
1. Moraine Ohio 2. 39.686833,-84.2155 3. Yes, Battery 4. Yes, HF and VHF 5. Yes 6. Yes 7. Yes: HF and VHF mobile (IC-706MKIIG, TMD-710, Laptop or Android Tablet), Portable: TH-D72 and TH-D74 w/laptop/Tablet VHF packet. 8. Yes 9. Yes: W6DR-10, VHF packet 145.010 and VARA FM 145.030 (2 separate sites); Multiple VHF Packet using W6CDR-4 Digipeater 145.010 10. Yes		
10. Replied By: Randy Allen KA0AZS	Position / Title: Radio Operator	Date / Time: 2021-11-13 12:10
Ver 41.11		

Image Source: Randy Allen [KA0AZS](https://www.qr.com/callsign/KA0AZS)

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ETO Fall 2021 Exercise

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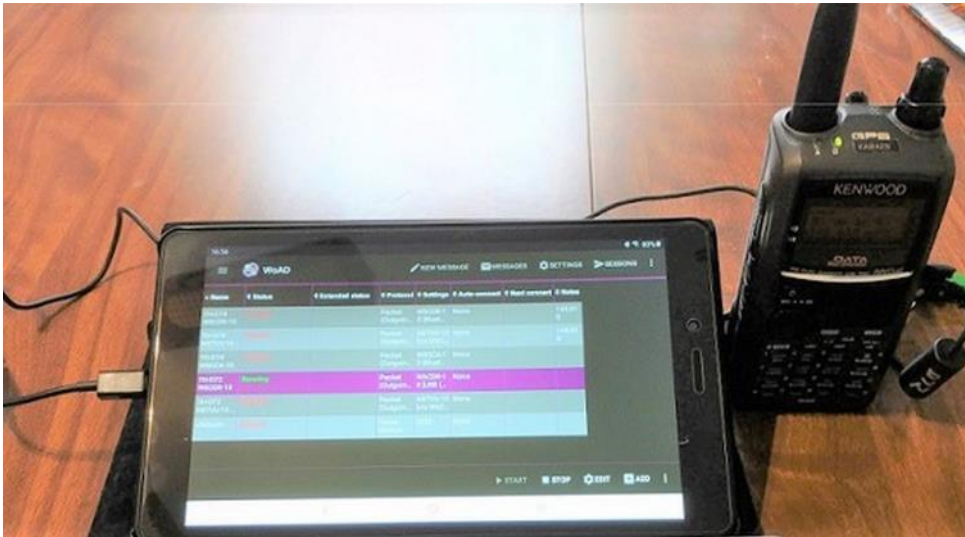
Once you had sent your reply, you could secure your station. However, they had several options:

1. Send your traffic using emergency power. I did this by connecting to the W6CDR-10 VARA FM RMS station on 145.030 MHz from my shack using battery power to my radio (IC-706MKIIG) and simulating my PC running on the UPS. I know from recent experience I have an hour or so of run time on the PC. I could have also have done this by hooking my laptop up to the radio.

2. Send your message from a mobile or portable station. I did both:

For mobile, I hooked up my Android Tablet to the TM-D710A in my truck and connected to the W6CDR-10 Packet RMS station on 145.010 MHz.

For the portable message, I hooked my tablet to my TH-D72 HT and again sent the message through the W6CDR-10 packet RMS.



Images Source: Randy Allen

[KAØAZS](https://www.k4oazs.com)

3. The third option was to send your message to an HF P2P station for relay to the appropriate ETO office. There were 15 designated “channels” using frequencies in the 80, 40, 30, and 20 meter bands.

Each region had at least one Target Station that would be on the air and ready to receive messages during the entire 12 hour exercise, for a total of 20 stations.

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ETO Fall 2021 Exercise

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Each station had a designated channel to monitor. With the exception of 80 meters, each channel only had one station assigned. The 80 meter channels were shared between stations on the East and West coasts, with the distance of a continent acting to avoid interference between stations.

The 80 meter channels were shared between stations on the East and West coasts, with the distance of a continent acting to avoid interference between stations.

Each channel used the VARA HF 500 Hz bandwidth mode to minimize interference with other activities on the bands. The narrow bandwidth also minimized QRM during P2P connections.

Participants were encouraged to contact multiple Target Stations to exercise the system as well as their skills and equipment.

I operated between Noon and 6 PM. The battery powered message went out without a hitch.

My Mobile and Portable messages took some time as I was not fully familiar with some changes in the WoAD (Winlink of Android) app on my tablet that I had just upgraded a couple of days before. Once I found the setting to tell the app to look for the USB-Serial adapter I was using, transmission on both radios went out without any issues.

In the P2P sessions, I attempted to contact every Target Station throughout the afternoon. Some stations had to shut down for thunderstorms in their area. I successfully connected with 5 stations and transferred my message;

<u>Band</u>	<u>Station</u>	<u>Antenna</u>	<u>Time (L)</u>	<u>Range (Mi.)</u>	<u>Location</u>	<u>Signal / Transfer Speed</u>
20 M	N1RDN	Hexbeam	12:30	732	Sandwich MA	+6.7 dB/2106 BPM
30 M	W1SHS	Sloper	12:41	689	Franklin MA	-11.2 dB/324 BPM
40 M	AC8ZU	Sloper	13:02	8	Centerville OH	-1.1 dB/1176 BPM
20 M	W7JST	Hexbeam	13:36	1924	Bend OR	-5.3 dB/528 BPM
80 M	KD2LQA	Sloper	17:45	411	Chesterfield SC	-8.7 dB/283 BPM

For 20 Meters I was using my IC-706MKIIG running 60 watts into a 6-20 M Hexbeam at 35 Ft.

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ETO Fall 2021 Exercise

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For 30-80 meters, I was running 40 watts into a multi-band sloper with a max height of 25 ft. and oriented North-South

I made connections to two additional Target Stations, but was not able to complete a successful message transfer.

Band	Station	Antenna	Time (L)	Range (Mi)	Location	Signal / Transfer Speed
30 M	K7NOJ	Sloper	17:40	1966	Camas WA	Disconnected -20.7 dB
80 M	WØSCH	Sloper	18:06	526	Springfield MO	Disconnected -18.5 dB/49 BPM

The basic lesson learned here is that, while you may not be able to pass your traffic to any particular station on the list, you should be able to find at least one station to pass traffic to by monitoring propagation to choose the appropriate band. While the Hexbeam was a great help, a basic wire antenna was sufficient to get the traffic through.

This was a fun exercise. It was an opportunity to work with my portable equipment, something I don't do on a daily basis.

While I check in on P2P Winlink nets every week, the exercise let me play around with working with stations I don't normally connect to, and practicing determining the best stations to attempt given the band conditions and time of day. Had the exercise run longer (or I had gotten up and started when the exercise started at 6:00 AM), I think I could have connected with several more of the 30, 40, and 80 meter Target Stations.

Beginning in January, the ETO Winlink Thursday weekly sessions will start back up. They will be building up to their Spring Exercise, usually held in May. Check out their website for more information: <https://emcomm-training.org/>

If you want to learn more about Winlink, check out my training document at:

<https://ohd3ares.org/wp/wp-content/uploads/2021/10/Winlink-Training-for-Nets-19Oct21.pdf>

For more information about the WoAD app I used on my tablet, see: <https://woad.sumusltd.com/>

If you have any questions, drop me a line at ka0azs@arrl.net

73, Randy, [KAØAZS](mailto:ka0azs@arrl.net)



Kontest Korner

Ken Gunton, [W8ASA](#)

[WA7BNM Contest Calendar: Home](#)

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



LATE NEWS: "Effective January 1, 2022, the **power output limit for low-power categories** has been lowered from **150 watts PEP to 100 W PEP**. With the exception of ARRL Field Day, this change is in effect for all ARRL- sponsored HF contests as well as the IARU World HF Championship. " [PowerPoint Presentation \(w0aa.org\)](#)

For the first part of January, there are no major contests, so how about using that time to take a good look at your station setup to see if it's as efficient as you can make it? Are all controls and knobs within easy reach? Is your microphone on a desk stand or do you use a boom to keep it out of the way? Are your keyboard and mouse at a comfortable height?

How about your CW key or paddles? Are they mounted such that reaching them and operating them is comfortable? Do you have something underneath to keep them from sliding all over your desk during the excitement of a contest?

Is your monitor at a good height for you? Having to look upward all the time can be very straining on the neck and shoulder muscles over the period of a contest. Did you take notes after the last contest you operated, and are you taking your own suggestions for the next one?

Here are a few January contests for (not an exhaustive list; see [www.contesting.com](#)):

<u>Contest</u>	<u>Date/Time</u>	<u>Comments/Goal</u>
North American QSO Party CW	1800Z Jan 15 – 0559Z Jan 16	Collect all states/provinces
North American QSO Party SSB	1800Z Jan 22 – 0559Z Jan 23	Quite a fun bash. Try it!
CQ 160 Meter CW	2200Z Jan 28 – 2200Z Jan 30	Wintertime 160 Prop!

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](#)



BARC Field Day Report

Ray Hitt, [N8VMX](#)

I'm Ray Hitt, [N8VMX](#), the BARC Field Day Coordinator.

This month I'm not actively preparing for Field Day, instead I'd like to talk about [Winter Field Day](#). Some BARC members have taken part in this annual event. I have not yet, but might try it out this year.

The first Winter Field Day (WFD) was held Jan 13-14, 2007, so it has not been around as long as the ARRL Field Day. **In 2022, WFD will be Jan 29-30 and runs from 2pm EST (1900 UTC) Saturday to 2pm EST (1900 UTC) Sunday just like the ARRL Field Day in June.**



You might be asking, "Why on earth would I want to go outside when it's probably below zero and snowing to make some contacts?" Well, WFD allows **Indoor** and **Home** entry categories as well as **Outdoor**, so you can stay warm and toasty if you prefer. Bear in mind that a reasonable part of the US might be decent outdoors (probably not Ohio, but Guam's not bad).

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BARC Field Day Report

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There are similar [rules](#) to ARRL Field Day, but different enough you'll want to scan through them if you're interested. Due to Covid-19, it's possible for club members to combine their scores (Bellbrook ARC in our case) even when operating from our homes. Many of us could be operating from our Clubhouse (this hasn't been planned yet but stay tuned). You can operate on alternate power (solar, generator, etc.) for additional points also. At the current time, FT4 or FT8 are not supported because the WSJT-X software doesn't support the proper WFD exchange information. Many other digital modes are supported though.

My idea of a Winter Field Day location



If you're interested in this, but need more information, please get with me, or our Olympic-class contesters, (Ken Gunton, Ken Moak, John Westerkamp for example) or get with me and I can find out for you.

Break, break, as far as our ARRL June Field Day planning, I've nothing going on just yet.

During the winter if you have good ideas for things you'd like to see next June in our Field Day, just jot them down or e-mail me and I can keep a running list of things to consider to make 2022 Field Day the best one yet, and look for ways you can take part, there's something there for everyone. After all, we all started out at the same place, not knowing something, then picked it up by jumping in and trying it.

73, Ray, [N8VMX](#)



BARC Recipes - Ray's 2021 Cookbook

Ray Hitt, [N8VMX](#)

Mexican Chicken Corn Chowder

Ingredients

- 1 ½ pounds boneless skinless chicken breasts, cut into bite-size pieces
- ½ cup chopped onion
- 1 clove garlic, minced
- 3 tablespoons butter
- 2 cubes chicken bouillon
- 1 cup hot water
- ¾ teaspoon ground cumin
- 2 cups half-and-half cream
- 2 cups shredded Monterey Jack cheese
- 1 (14.75 ounce) can cream-style corn
- 1 (4 ounce) can diced green chiles
- 1 dash hot pepper sauce
- 1 tomato, chopped
- ¼ bunch fresh cilantro sprigs, for garnish



Directions

- In a Dutch oven, brown chicken, onion, and garlic in butter until chicken is no longer pink.
- Dissolve the bouillon in hot water; pour into Dutch oven, and season with cumin. Bring to a boil. Reduce heat to low, cover, and simmer for 5 minutes.
- Stir in cream, cheese, corn, chilies, and hot pepper sauce. Cook, stirring frequently, until the cheese is melted. Stir in chopped tomato. Garnish with cilantro.

Chef's note: This would be a great use of turkey leftovers from Thanksgiving

I finished my 2021 Cookbook. I gathered these recipes off the Internet, from web sites or a closed Facebook Group I belong to. This cookbook is primarily a Mexican cookbook, but I've added quite a few American favorites. A lot of desserts too.

This cookbook weighs in at over 230 pages, but there are bookmarks in the PDF that will take you straight to any recipe.

I'll leave this link up for a few weeks, then take it down until next December. Feel free to download this and try out some recipes. If you want to, let me know what you think about these, or share with me something you like and would like to share with others.

Link to Recipe file:

<https://drive.google.com/file/d/1dOwXNQ7ow5eU4YzP4PnldBWVrZWbx9oN/view?usp=sharing>

73, Ray, [N8VMX](#)



Special Event Stations (SESs) On The Air

Paul Sharp, [KD8OPN](#)

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

This month's is a follow up from last month's certificate from the Route 66 On The Air from 11 – 19 September 2021. It's a picture of our Treasurer, John Westerkamp, in Chicago at the beginning of the famous Route 66.



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

The winter months must be a slow time for SES because I found very few for Jan and Feb 2022.

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Here are some links you can follow to find many SESs 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



Special Event Stations (SEs) On The Air

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Here is my pick of the litter of SEs that I think will be of interest to my fellow BARC Members.

- **01/02/2022 | 16th Annual Straight Key Month** Jan 2-Jan 31, 0000Z-2359Z, K3Y/0-9 +, world-wide. SKCC - Straight Key Century Club. 3.550 7.055 14.050 21.050. <https://www.skccgroup.com/k3y>
- **01/15/2022 | WHOA weekend, Scouts BSA** Jan 15, 1400Z-2000Z, W1M, Russell, MA. Western Mass Council, Scouts BSA. 7.190 10.115 14.060 14.290. QSL. Camp/outdoor program that introduces young people to various season related activities including outdoor skills and some STEM activities.
- **01/19/2022 | 80th Anniversary of the 8th Air Force SPECIAL EVENT** Jan 19-Jan 24, 0400Z-0359Z, WW2FLY, Attica, NY. WWII Flying Fortress Amateur Radio Club. 1.900 3.850 7.180 14.250. SSB and FT8 Check spotting networks to find us on HF More info at www.qrz.com/db/WW2FLY
- **01/22/2022 | Quartzfest** Jan 22-Jan 29, 1400Z-0700Z, W7Q, San Luis, AZ. Quartzfest. 7.277 +/- 20khz 14.285 +/- 20khz 28.415 +/- 20khz 14.076 +/- 20khz 7.074 +/- 20khz 28.074 +/- 20khz 21.74 +/- 20khz. Certificate. <https://quartzfest.org>
- **01/29/2022 | California Discovery of Gold** Jan 29-Jan 31, 1600Z-0001Z, AG6AU, Coloma, CA. El Dorado County Amateur Radio Club. 7.248 14.248 21.348 28.348. QSL. 174th anniversary of the discovery of gold in Coloma, California starting the 49'er gold rush. edcarc.net

73, Paul, KD8OPN

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

Show off your accomplishments!



Hints and Kinks

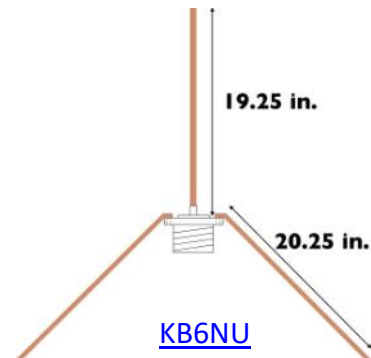
Ken Moak, [KM8AM](#)

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

This is a MEMBER-Driven section

This month we've a few VHF/UHF HT Hints and Kinks

- **If you notice you're getting reports of weak audio, check the following:**
 - Your deviation setting should be set to **wide** Link: [Sedalia-Pettis ARK](#)
 - The little hole where the mike is **not plugged or too small** (correct with a probe or toothpick)
- **If your not making the repeater:**
 - **TURN UP THE POWER!** Minimum power for COMMUNICATIONS (if they can't hear you, you're NOT communicating)
 - **Build an SO-239 Ground Plane antenna** and hang by the window (maybe free if you have the wire and connector) [SO 239 GP YouTube Link](#) It's even easier than in the video, just solder #12 or #10 wire directly to the corners of the connector, also, you can skip the PVC and hang it up with string!



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)



My Story: New BARC Member Spotlight

Sterling Slone, [KE8OYJ](#)

My name is Sterling Slone, [KE8OYJ](#) .

I served in the US Army 1965 to 1967 then worked for Chrysler until 1979, and then as a real estate agent until 1985, and finally sales rep/project manager for Allied Fence Co until I retired in 2009.

Through the years I have acquired many hobbies; fishing, hunting, wood working, target shooting, reloading, and gardening. My wife and I have been married for 54 years and lived in Kettering for the past 17 years.

I got interested in Ham Radio many years ago when I was in Boy Scouts but could never master the code requirement so gave up. Then during the Covid era I learned that code was no longer a requirement for a license. During the Covid lock down since there was so much time spent indoors and not a lot of things to do, I started studying for the Tech exam. I passed the Tech exam in July of 2020 and bought a couple of HT radio's and a mobile for my vehicle and then another Tri-Band mobile to use as a base station for 2 meter, 220 and 440 with an Ed Fong Tri-Band antenna . My wife's cousin, who has been a Ham for many years, encouraged me to go for a General license, so ounce again it was back to the books, and **I passed the General test in July of 2021.**

My interest in Ham Radio is mostly voice communications currently as I know nothing about the digital stuff and very little about electronics in general and still can't master Morse code. I am still in the learning stages on most of the Ham stuff!



I have purchased a Yaesu 891 and a Yaesu FC-50 tuner to use as a base station along with an MFJ 80-10 meter end-fed half wave antenna, and I am anxious to get on the air but so far not transmitting on the 891 as I can't seem to get the SWR down on my end feed half wave antenna and don't want to chance ruining the radio.

I joined the BARC in Jan 2021 before the club started back having face-to-face meetings so I don't know and haven't met very many of the members. I try to make as many of the club meetings as possible to gain as much information on radio's, antennas and Ham Radio in general. I recently attended Ken Moak's excellent training session on the club's IC-7300 radios and learned a great deal about it's operation and using the clubs equipment.....time well spent!

I am looking forward to learning more about Ham Radio and BARC.

73, Sterling, [KE8OYJ](#)



Current BARC Member Interviews

Steve Miller, [K8SJM](#)

Hello, I'm Steve Miller, [K8SJM](#)

When you were first licensed? Took and passed both the Tech and General tests the same night, Sunday November 11, 2018 at the Beaver Creek Fire Station, lower level. Had been studying for a month and a half prior to taking the tests.

How did you learn about Ham Radio (HR)? Coming into my teens in the early to mid-70s, I like a lot of folks was active on CB radio. There was a group of us that hung out on Channel 21 in the suburbs of Chicago. A mix of older folks and younger kids like myself. It was great fun at the time and learned a lot. But it didn't go any farther than CB for me at the time. Fast forward a lot of years, I knew Stu, [K8ST](#), from our working together at NCR. Over at his house one day for something and he had a table full of equipment that he was selling off for the family of a SK friend of his. It was then I decided to get back into radio. Stu is the big reason I'm here today.



What are your current HR interests? Primarily digital, FT8 and some FT4. I have had hearing issues since my late 40s so it is a bit of a challenge to do Phone. But I try it every once in a while. Same with CW. Done some classes and online CW studying. Have some of it down. I also tune around just to see if I can tune them in and see what I can copy but I'm still a long way off.

Tell us about your stations (past, present, and future) First radio was a Yaesu 897D with an AV-640 vertical antenna. The antenna was mounted to my deck out back, just a few feet off the ground. Antenna was there until Spring 2019 when I placed it on my roof about 25 feet off the ground. In 2020, I replaced the AV-640 vertical antenna with a NA4RR hex beam for directional capabilities. Forward to early 2021 when I placed an order for a Flex-6400. 8 weeks later, I was in SDR heaven.

No amplifier in the shack, yet. Wouldn't mind getting my antenna up on a tower but I have a few obstacles to overcome at the QTH before that happens – trees, power lines and money. Small steps.

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Current BARC Member Interviews

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What was the most exciting thing that happened to you in HR? It really hit me with FT8 when I made a contact with RI1ANL in Antarctica. 100 watts on a vertical antenna attached to my deck. That was the first big Wow. I've met so many new and great people through the radio and the club. It helps to have a great Elmer and a very understanding and supportive wife.

What do you do for a living? I've been in Information Technology in one form or another, mainly focused in the financial services (Banks and Data Centers etc) arena since my senior year of high school. So fortunate to get into the profession at the time I did. I've been in software development for the last 20 years.

Other interests I have is soccer. I've been a youth referee in the Dayton area since 2007. This interest will be winding down though as the years start to pile up. Family, with my wife of 32 years Wanana we have 2 daughters. One lives in Columbus and the other in New Lebanon. Newest edition to the family came in January of 2021. His name is Oliver John. It's a great life being a PaPa.

73, Steve, [K8SJM](#)

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 the rewards 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

