

Pilot Knob Amateur Radio Club • KSØLV • Leavenworth, Kansas • EM29 • Volume 19 - No. 3 - Mar, 2023

Welcome to the Pilot Knob Amateur Radio Club

From the President of the PKARC

Many thanks to all who turned out for our build session on February 23rd and Freeze Your keys on February 25th!

Many of us seem to be making progress in kit building and general soldering and making skills, all of which will enhance our experience of amateur radio, save some money, and give us access to some neat products that are not available pre-fabbed. Do come on out for the next build session on April 20th. Watching and learning is quite a bit more effective than just trying to figure it out!

The 19th Annual Freeze Your Keys operating event was a great success, with more from Gary, WØMNA, below. Please take a moment to thank Gary and Martha, WØERI, for putting this and the build sessions together. I know that it's a labor of love for them, but it's still labor. We are grateful for their sharing their extensive knowledge and experience.

By the time you read this, the presentation of Keith, WAØTJT, at the March meeting on high-altitude balloon launching and chasing will either be imminent or just past. As noted on the net, I am out of town this week on an audit and won't be able to make it, but Keith gave me a run-through of the presentation last week after the Northland ARES meeting. It was excellent, and now I have something else to add to my own list of radio interests. If you read this before Thursday night March 7th, please come to the meeting to see this fascinating presentation. Thanks, Keith!

Looking ahead, Spring repeater maintenance and other work are looming over us. Rick NJØP has more on these below. Please consider coming out to help if you can; this is also a learning experience.

With the warmer weather coming up, SOTA and POTA operations are getting more pleasant. I was able to make some QRP contacts yesterday at a State park here in Kentucky, but I wasn't able to get ten in the time I had. It was still enjoyable and got me out of the office for a bit! Think about getting out there. I have started a Slack channel for us to coordinate going out when we get time and for instant club-wide communications on other things. Look for an invitation link in your email soon.

73,

Scott

K2SCT



MEETING INFORMATION

First Thursday of the Month
Next Meeting: 02 Mar 2023
Time: 7:00 p.m., Central Time
Location: *Pilgrim Community Church*
500 Arch St, Leavenworth, KS 66048

MAILING INFORMATION

The Pilot Knob Amateur Radio Club
34058 167th Street
Leavenworth, KS 66048
www.PKARC.net

From the Kickapoo QRP Operating Desk

As they say in the movie industry “It’s in the can”. By that, I mean our 19th annual “Freeze Your Keys” winter operating event is now in the history books, and it was indeed a bit of a freezing event.

The afternoon prior to the event we started getting some ice from mother nature which gave us a light coating of slick stuff to contend with at the park, plus on the way getting to the park. Fortunately, the ice turned out not to be a difficult problem to deal with and everyone was careful walking around the shelter house site.

When I arrived at the front gate to the park the temperature was a balmy 16 degrees but there was no wind, so it was not too bad. Promptly at 7:00 the gate opened to allow us to move in and secure the shelter house for the day’s events.

We promptly started putting up antennas with Scott, K2SCT, being the first ham on the air. He was even operating prior to our scheduled 8:00 published start time. Way to go Scott! He also logged the bulk of our contacts throughout the day.

We tested and adjusted some of the antennas from our build sessions, practiced a bit of Fox Hunting, worked some POTA stations, got some new club members on the air to make their first HF contacts and overall, just had a good time. The winds came up a bit but not like in previous years, so the event was still fun. The day was mostly sunny, and it did warm up to 45 degrees by the time we shut down and left the site at 3:30 p.m. and called it a day.

We had our usual fire in one of the BBQ grills in the shelter house, but that was a fun project to make happen. Usually, we use the fallen limbs from around the shelter house to start the fire but they were ice covered. As a result, the ice kept melting and putting out the flames. We finally succeeded getting the fire going and as usual it was a favorite place to warm up. Thanks to Keith, KFØKBC, for bringing some firewood along to feed the fire.

The hot chili and cornbread provided by Martha, W0ERI, was a great addition again to warm us up and everyone enjoyed the meal. This meal has been a standard now for every event and always a welcome addition to the activities.

As a summary of the event, we had 17 people sign-in on our attendee list. A total of 75 contacts were made to 21 states plus 3 DX stations. Those DX stations were Belgium, Azores, and the UK. The modes used were SSB, CW and some FT8.

Overall, the event was fun and there were several good things learned by the newer hams plus the equipment had a good workout. It was a good day and I’m already looking forward to next year’s event which will be our 20th year of doing this activity. Thanks to everyone that came out to make it a fun and successful event.

Our next build session will be in April. I’ve secured some Transformer Experimentation board kits from the 4SQRP club. These kits will be used to build an EFHW antenna to add to the two HF antennas we have built in past building sessions. I’ll keep you posted on this build session and be picking up the kits while at Ozarkcon at the end of March.

Gary Auchard - WØMNA

ARES and Emergency Management Links

Leavenworth County Emergency Management:
<https://www.lvsheriff.org/emergency-management>

Leavenworth County ARES:
<https://ks-lv-ares.signaleer.us/>

ARRL ARES Information: <http://www.arrl.org/ares>

ARRL ARES Manual:
<http://www.arrl.org/files/file/Public%20Service/ARES/ARESmanual2015.pdf>



KCHEART Net Information

The KCHEART Net takes place on the first Monday of the month. If that falls on a holiday, it will be delayed until the next week. The frequency is 443.500 with positive offset and 151.4 tone.

This repeater is located at the Kansas City VA hospital. Please feel free to check in from time to time. Participation is never mandatory, but always appreciated!



We're on the Web @ www.pkarc.net

Thursday ARES Net - 147.000 Feb, 2023 Net Report

<p><u>02 Feb</u> No Net due to PKARC Meeting</p> <p><u>09 Feb</u> (10) KAØDJR ---- Dick* KØMDP ---- Max NBØR ---- Brian KD7QOR ---- Ed KFØKBC ---- Keith KEØSYO ---- Vic NØCS ---- Pete KAØARW ---- Jeff KZØIMO ---- Roxann WAØSRS ---- Steve</p>	<p><u>16 Feb</u> (5) KAØDJR ---- Dick* KFØKBC ---- Keith KFØKOS ---- Guy KZØIMO ---- Roxann NØZZN ---- Steve</p> <p><u>23 Feb</u> (10) KAØDJR ---- Dick* WAØSRS ---- Steve WAØOFM ---- Tim NBØR ---- Brian KFØKBC ---- Keith NØZZN ---- Steve KØAWW ---- Randy KØMDP ---- Max KZØIMO ---- Roxann KBØYME ---- Loren</p>
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* = Net Control



Yaesu is pleased to announce preliminary information about the new FTM-500DR 50W, C4FM/FM, 144/430MHz, Dual Band Digital Mobile Transceiver. The FTM-500D shares the Yaesu core features, utilizing the latest C4FM Digital technology with many new features and improvements.

Delivers Clear & Powerful High-fidelity Audio

Front Speaker, with "Acoustic Enhanced Speaker System" Dual Speaker System

Uncomplicated and Effortless Dual Band Mobile Operation

TOUCH & GO enables initiating communications quickly by touching the target frequency

SEARCH & GO enables Dual-Receive of a desired frequency during Main channel operation

The new FTM-500DR will be available end of March 2023. As of February 2023, this device has not been approved by the FCC.

Detailed Net Information:



Wednesdays - PKARC Club Net on 147.00 at 7:30pm
Steve Stalker (WAØSRS) as Net Control

You are always welcome to discuss swap-meet style items on the PKARC Wednesday Net

Thursdays - Leavenworth County ARES Net on 147.00 at 7:30pm
Dick Quinlan (KAØDJR) as Net Control.

Sundays - JARA UHF Fusion Net on 444.800 at 7:00pm
Rick Reichert (NJØP) as Net Control

And also the **ARES Information and Training Net** on 145.33 at 7:30 pm
Brian Resch (NBØR) as Net Control

All repeaters use a 151.4 Hz sub-audible tone

Jarbalo Amateur Radio Association

Activate
WIRES-X on
your UHF radio.
Experiment and have fun!

President: Randy Brooks – KØAWW
Vice President: Brian Resch – NBØR
Trustee: Rick Reichert – NJØP



The fastest 1/2 Hour on Ham Radio!

Sunday Training Nets. We took a break from the weekly agenda to enjoy the Superbowl on Feb 12th. Wow! What a game!

Congrats on another month of record net attendance! The fast-paced nets stay focused on how to get the most from Yaesu System Fusion. As more join us, we find out more that YSF can do. We're ready to put together the 2nd Qtr 2023 net topic schedule (posted on JARA.signaleer.us). Let Net Control know what topics you want covered in April-May-June.

Spring Repeater Maintenance has been scheduled for Thurs April 6 (9 am - noon) for indoor/preparatory work and Sat April 8 (8:30 - 11:30 am) for outdoor/antenna/tower work. We are still working to obtain or manufacture a heavy-duty stand-off mount for the new repeater receiver antenna.

Jarbalo Amateur Radio Association

Sunday Evening UHF Net Roster
WØROO/R 444.800 MHz + C4FM DN T:00 R:00

Feb-2023	Name	05	12	19	26
KØAVN	Dave	Pi		Pi	
KØAWW	Randy	X	S		
KAØDJR	Dick	X	U	X	X
ABØGD	Gregg	X	P	X	X
KZØIMO	Roxann	X	E		X
KFØKBC	Keith	LOG	R	LOG	LOG
KFØKOS	Guy	X	B		
WØLYQ	Ed	X	O	X	
KØMDP	Max	Pi	W	Pi	
WØMNA	Gary	X	L	X	X
NJØP	Rick	NCS		NCS	NCS
KD7QOR	Ed		S	X	X
NBØR	Brian	X	U	X	X
KFØROB	Rob	X	N		
K2SCT	Scott		D		X
WØSER	Steve		A	X	X
WAØSRS	Steve	X	Y	X	X
KEØSYO	Vic	X			X
KC5VKG	Doug	X			X
NØZZN	Steve	X		X	X



AFFILIATIONS

The American Radio Relay League (ARRL)
Leavenworth County Emergency Management
American Red Cross



AREA REPEATERS	ENCODE	TRUSTEE	LOCAL NETS	DAY - TIME - FREQ
145.330(-)	151.4	WØROO	PKARC Net	Wed. - 7:30pm - 147.000
147.000(+)	151.4	WØERI	ARES Net	Thur. - 7:30pm - 147.000
444.800(+)	YSF TØØRØØ	WØROO	JARA UHF Net	Sun. - 7:00pm - 444.800
442.350(+)	DMR CC1 TS1	KCØDMR	ARES Info & Training	Sun. - 7:30pm - 145.330

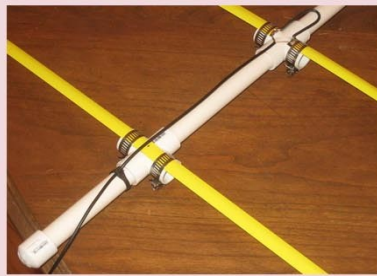


Amateur Radio Emergency Services®

Section Manager: Ron Cowan, KBØDTI
 Emergency Coordinator (Dist 4, Zone C): Rick Reichert, NJØP

See list of Assistant Emergency Coordinators and new opportunities on
 KS-LV-ARES.signaller.us on the About Us -> Leadership page.

Those who attended the tape-measure Yagi antenna build session on February 23rd walked away with a very valuable tool. Gary Auchard, WØMNA put on a great workshop for the 2M yagi build. The antenna will be very useful for fox hunting, locating hung transmitters, and most importantly, finding a lost operator. The latter is the likely scenario for the Simulated Emergency Test on October 7th. See last month's ARES article in QRZ for the various tests and skill-building drills we have planned between now and October. Even if you do not have a Direction-Finding antenna,



you can still be a valuable part of the hunt. An effective DF team has at least two members who can communicate and coordinate the "prey" and quickly close in on the target.

Next DF event is **April 22nd**.

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET													
No.	Channel Configuration	Channel Name/Number	Radio System/Subscriber	Eligible Users	RR Freq	RR W/	RR Type/Mod	V-Freq	RR Freq	RR W/	RR Type/Mod	Owner	
												Notes	
												Golden 99	
												(No 99 channel implies that all KS-LV-ARES members should have pre-programmed)	
1	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000	146.520000

The ICS-217A Communications Resource Availability Worksheet is the template for frequencies to be pre-programmed into a block of memory in radios intended for emergency and training use. Contact Rick, NJØP, for a link to radio programming files. njØp@arrl.net

Sunday ARES Info & Training Net - 145.330—Jan, 2023 Net Report

05 Feb (13)

- NBØR ---- Brian*
- KFØKBC ---- Keith
- KEØSYO ---- Vic
- KA3LOC ---- Ric
- KD7QOR ---- Ed
- NØZZN ---- Steve
- WAØSRS ---- Steve
- NJØP ---- Rick
- KZØIMO ---- Roxann
- WØLYQ ---- Ed
- KØMDP ---- Max
- KFØKOS ---- Guy
- KAØDJR ---- Dick

(*) - Net Control Station

12 Feb (0)

No net due to Super Bowl



19 Feb (10)

- KFØKBC ---- Keith*
- NJØP ---- Rick
- WØLYQ ---- Ed
- KD7QOR ---- Ed
- KØMDP ---- Max
- KZØIMO ---- Roxann
- KAØDJR ---- Dick
- NBØR ---- Brian
- WAØSRS ---- Steve
- NØZZN ---- Steve

26 Feb (12)

- NBØR ---- Brian*
- KFØKBC ---- Keith
- WAØSRS ---- Steve
- NØZZN ---- Steve
- WØSER ---- Steve
- KAØDJR ---- Dick
- KØMDP ---- Max
- KD7QOR ---- Ed
- KA3LOC ---- Ric
- NJØP ---- Rick
- KEØSYO ---- Vic
- KZØIMO ---- Roxann



Wednesday PKARC Net - 147.000
Jan, 2023 Net Report

01 Feb (17)

WAØSRS ---- Steve*
 KØMDP ---- Max
 KØAWW ---- Randy
 KZØIMO ---- Roxann
 K2SCT ---- Scott
 AAØMV ---- Steve
 KFØKBC ---- Keith
 KAØARW ---- Jeff
 KFØLEV ---- Jed
 KAØDJR ---- Dick
 NØCS ---- Pete
 KEØSYO ---- Vic
 W6BDD ---- George
 KFØKOS ---- Guy
 NRØR ---- Mark
 KDØHOY ---- Ron
 NJØP ---- Rick

08 Feb (14)

WAØSRS ---- Steve*
 K2SCT ---- Scott
 KFØKBC ---- Keith
 NJØP ---- Rick
 KEØSYO ---- Vic
 NØCS ---- Pete
 KØMDP ---- Max
 KFØLHD ---- Phil
 W6BDD ---- George
 WØSER ---- Steve
 KAØARW ---- Jeff
 KFØGIP ---- Gary
 KDØHOY ---- Ron
 NRØR ---- Mark

15 Feb (22)

WAØSRS ---- Steve*
 WØMNA ---- Gary
 NØZZN ---- Steve
 KZØIMO ---- Roxann
 KFØLHD ---- Phil
 WBØNDP ---- Jim
 KFØKBC ---- Keith
 W6BDD ---- George
 KEØSYO ---- Vic
 NJØP ---- Rick
 KAØDJR ---- Dick
 KAØARW ---- Jeff
 KAØHOY ---- Ron
 KBØYUV ---- Cliff
 KØMDP ---- Max
 KFØKOS ---- Guy
 AAØMV ---- Steve
 NØCS ---- Pete
 KFØDQA ---- Phil
 NRØR ---- Mark
 KBØPFH ---- Ernie
 NØRCI ---- J.R.

22 Feb (22)

WAØSRS ---- Steve*
 KØAWW ---- Randy
 AAØMV ---- Steve
 K2SCT ---- Scott
 KFØKBC ---- Keith
 KCØNFS ---- Mark
 KØMDP ---- Max
 KA3LOC ---- Ric
 KAØARW ---- Jeff
 NØZZN ---- Steve
 KFØLOT ---- Eric

22 Feb (cont)

KEØSYO ---- Vic
 KEØYOA ---- Austin
 NBØR ---- Brian
 KAØDJR ---- Dick
 W6BDD ---- George
 KDØHOY ---- Ron
 NJØP ---- Rick
 WØSER ---- Steve
 KFØDQA ---- Phil
 NRØR ---- Mark
 KFØLEV ---- Jed

(*) - Net Control
 Station



Freeze Your Keys - February, 2023



19th Annual "Freeze Your Keys" Winter Operating Event
Operator/Visitor Sign-up Log
Feb. 25, 2023

Name	Call sign	Home QTH
1. Gary Auchard	W6MNA	LVN, KS
2. Susan Kosmicki	K2ZEM	LVN, KS
3. Guy Younger	K6DKOS	EASTON, KS
4. Robin Collier	K6B K6C	LVN, KS
5. Scott Gardner	K2SCT	Farley
6. ED MENARD	KD7SOB	LVN, KS
7. Tom Leckert	N1JOP	Lansing
8. STEVE SALKER	W8ASRS	KC K
9. Tom Stalker		KOK
10. Loren Mead III	K8BYME	LVN, KS
11. STEVE RICE	W8SER	Shawnee, KS
12.		
13.		
14.		
15.		

Freeze Your Keys - February, 2023



Freeze Your Keys - February, 2023



W0EBB
19th Annual
"Freeze Your Keys"
Winter Operating Event
Kickapoo QRP ARC

QSL INFO: w0mna74@gmail.com
OR
QST Magazine Feb. 2023 issue under
Special Events Section

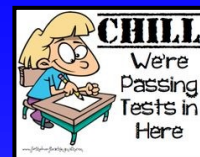
Operating Frequencies:
40 Meter CW = 7.035 Mhz
40 Meter SSB = 7.240 Mhz
20 Meter CW = 14.058 Mhz
20 Meter SSB = 14.325 Mhz

1400 UTC to 2200 UTC



QRZ is a monthly publication of the Pilot Knob Amateur Radio Club and may be quoted in other publications provided a credit line is included and the author (if known) is given acknowledgment. Items related to amateur radio will be advertised free of charge. Articles for publication in QRZ are always welcome and willingly accepted in any form. We reserve the right to edit material as necessary. Please let the Editor know if you experience problems getting your issues of QRZ, or if it is received in a difficult to read state. Members are encouraged to receive their QRZ via E-mail, rather than paper copy. Requests to receive the hard copy version will be honored. Your effort to reduce club expenses will be appreciated. Comments or suggestions regarding the QRZ format are welcome and appreciated.

VE BITS



FCC examinations for the Technician, General and Extra Class licenses are available on request for anyone. The charge is \$10.00. Exams are usually given at the Thursday Morning Breakfast or prior to the regular Club Meeting, but can be scheduled for any convenient time. If you need assistance preparing for a test, please ask any Club member. The FCC requires that all amateurs have an email address. Also, if you are testing for the first time you must have an FRN. To acquire that 10-digit number you can either find "How to Register for your FRN" through Ham Radio Prep or visit the following link: <https://apps.fcc.gov/coresWeb/publicHome.do> and select register, individual and continue to fill out the form. You will receive your FRN number as soon as the form is submitted. That number will be used for all communications with the FCC. Save it!!

If you have any questions about testing, would like to schedule a test or are interested in becoming a Volunteer Examiner, please contact Martha Auchard WØERI or Gary Auchard WØMNA, at (913) 772-7350. Please leave a message if no one answers. If you are testing for General or Extra class, please bring an extra copy of your current license.

**Saint John
Hospital
Amateur
Radio
Club**



Welcome to the SHARC Tank!

Exciting news! The Pilot Knob Amateur Radio Club welcomes the Saint John Hospital Amateur Radio Club as the newest member of associated Ham Radio groups.

Recognizing that our operations at Saint John Hospital needed its own identity and call sign, it has been our intent to establish an organization to make it all possible. More than that, we needed someone to work through all the hoops. Roxann Kosmicki, KZØIMO, as ARES® Assistant Emergency Coordinator for KCHEART, spearheaded the effort to organize the charter officers, draft a constitution and bylaws, complete the paperwork with ARRL to officially be recognized as a club, and submit an application to the FCC to obtain a callsign. So, it is now official. Saint John Hospital Amateur Radio Club is established.

The facility formerly known as the Amateur Radio Communications Center (ARCC) has been renamed the "SHARC Tank". The "Tank" is the center of hospital KCHEART communications training and operations. SHARC membership consists of those KCHEART members associated with Saint John Hospital. Roxann has spent hours developing training, training verification, and information for KCHEART which can be accessed via [KS-LV-ARES.signaleer.us/training/KCHEART](https://www.kccheart.org/signaleer.us/training/KCHEART)