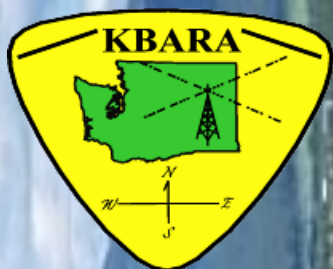


Winter 2025



Quarterly Journal of the Kamiak Butte Amateur Repeater Association

KBARA Gazette



June 28-29, 2025

"Field Day is ham radio's open house. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains the most popular event in ham radio." (ARRL Website)

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, thousands of radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, practice for emergencies, an informal contest and, most of all, FUN!

KBARA has a history of Field Day events that got interrupted by COVID and we want to get it back as one of the few times in the year when we see each other in person. We are putting together a team to make this happen so mark it on your calendar and plan to be there if you can. More details will be forthcoming on the nets and in a future newsletter. It's not firmed up yet but we'll probably be at Valleyford Park.

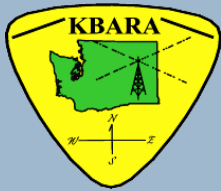
If you are willing and able to help with the planning and organization please contact me. We need people to make sure we have radios, antennas, alternative power sources, canopies, tables, chairs, refreshments, publicity, signage, etc.

If you like to meet new people and get them involved in Ham Radio we need someone to man a GOTA station. That is a "Get On The Air" station and it's sole purpose is to let non-hams make a real life contact and get their questions answered about Ham Radio.

I already have some volunteers, but more is good!

Jim KM7H km7h@proton.me text or call 509-306-1462

For further information and rules see the ARRL Field Day page at <https://www.arrl.org/field-day>



NEWARC Winter Field Day 2025

Where: Rusty Putter in the Chewelah Golf & Country Club

When: January 25-26, 2025 (Operations)

January 24th @ 12:00 to begin set up ANY and ALL volunteers are welcomed for this portion. If you have a favorite antenna, bring it down and we will see if it can fit in.

What: Operation of radio equipment in varied modes to contact other stations and practice readiness for "emergency" conditions."

How: NEWARC will bring at least two radio setups.

- Power is supplied on site. *No generators per the G&CC*
- All operators are welcome to bring & operate their own equipment (decreases anxiety concerning others) if desired.
- Modes will be determined by who is there, what they prefer, and what antennae are available.
 - o Last year was a sloper which worked well into the SW & SE
 - o Also there was a long wire oriented somewhat N/S, that worked well into New England and Europe.
 - o Lunch is available until 4 pm.
 - o There will be **NO** dinner this year (uneconomical for the host facility).
 - o Thoughts are ordering from restaurant(s) in Chewelah with delivery or someone doing a "Food Run".
 - o Operations will commence around noon or earlier on 1/25 and cease 24 hours later.
 - o There is no formal night shift set for operations.
 - o The facility is amenable to folks staying overnight.
 - ✦ Those doing so would need to bring their own cot / sleeping bag / pad or whatever preferred.
 - ✦ The outside doors would be locked during those hours (except where coax comes in)

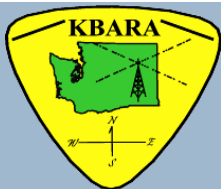
Testing is possible if NEWARC is given advance notice so they could have their coordinator on site.

WHO: Contact Ed Zeiser N7ELZ at (509) 680 - 6733 for further information as the dates approach.

Hi Everyone:

Please read the flyer announcing the 2025 NEWARC Winter Field Day.. If you are considering attending the (indoor) Field Day, **contact me, Ed Zeiser N7ELZ , (509) 680 – 6733**

or ezeiser@yahoo.com and let me know. Once again, Winter Field Day is from January 25 to 26 starting at 10:00 AM. The setup will be on January 24 starting around 1:00 in the lower level of the Chewelah Country Club.



NEWARC Winter Field Day 2025

continued...

I need some information from you:

1. Are you planning on attending?
2. What is your name and call sign and contact information?
3. Will you help set up the antennas on January 24?
4. Will you provide cables, wires, etc. for the antennas?
5. Will you help pack up antennas, etc. on Sunday afternoon?
6. Will you bring a radio, power supply, tuner, etc.?
7. Are you interested in the sandwich buffet on Saturday afternoon? The cost will be approximately \$10. No other meals will be available, but you can make a restaurant run.
8. Are any scouts attending? If so, approximately how many?
9. Are you interested in attending or presenting a workshop? One suggestion is how to manually program a Baofeng or similar radio. Do you have other suggestions for workshop topics? Are you willing to offer a workshop, if so, what is the topic? Can you offer a workshop for any scouts who attend?
10. Are you interested in testing for a new or upgraded license?
11. Are you interested in being a VEC for exams?

Are you interested in spending the night in the lower level of the golf course clubhouse? No food will be provided. Bring your own cot/sleeping bag, etc.

Please let me know what your plans are. Last year's winter field day was very successful. There was a good turnout from NEWARC, PARC, scouts, and visitors. I am looking forward to another wonderful field day this year!

Ed Zeiser N7ELZ , (509) 680 - 6733 and ezeiser@yahoo.com

Coordinator, NEWARC Winter Field Day

NEWARC Facebook Page: <https://www.facebook.com/W7GHJ/>

Winter Field Day 2025

January 25th & 26th

Starts 1600 UTC Saturday, January 25th

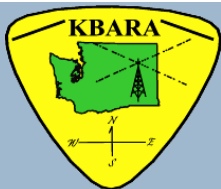
Ends 2159 UTC Saturday January 26th

To register your station or club go to

<https://winterfeldday.org/>

If you receive the ARRL Letter there is a great write up in the current issue.





Technical Update

By Jim N7WRR

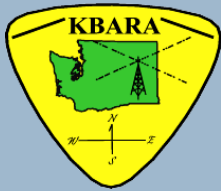
The KBARA system is working fairly well at this time but work remains to be done. We still have the long tail on the 147.38 repeater at Mica caused by traffic coming in from the hub at Stensgar.

Lookout Pass, MT 147.02 repeater. Is still working fine after I replaced the Kenwood TKR-750 repeater with the Icom FR-5000 repeater that I had on hand. Ray K7TAL of Electric City met me in Spokane and picked up the Kenwood repeater to see if he could repair it. He has confirmed the the final and driver are out and is ordering parts to try to repair it. We will keep our fingers crossed that he is successful. Thanks Ray! We don't have any extra repeaters unless we can get the Kenwood repaired.

Pikes Peak, OR 147.28 repeater. The Pikes Peak 147.28 repeater went down. Betsy N7WRQ and I went down to the site on the 3rd of December and found the old power supply was out. We replaced it with a new 35 watt Astron rack mount power supply I had on hand. On getting the repeater back on line we discovered some interference getting into the repeater. It consisted of pairs of 1 second low frequency noise bursts spaced 5-10 seconds apart occurring every 5 minutes. This persisted for several days and I made the repeater stand alone for much of the time. The interference was from one of the other parties on site which was cleared up and the repeater is hooked back into the KBARA system full time again and has been working well since.

Mica Peak 147.38 repeater. Glen K1RR completed building the ice shield we designed to protect the 1.25m link antenna that connects Mica in with the hub and rest of the KBARA system. On the 8th of December Keira KI7GUB and I went to site and installed it. A big thank you to Keira; he did most of the hard work. Ice from above had already fallen and bent the antenna some, but we got it back and it should be good for the winter now, avoiding the link outages from falling ice. Photo shows Kiera standing in front of the completed installation.





Technical Update continued...

By Jim N7WRR

Interference on the System. December 31st we had someone keyed-up on the 147.36 repeater. I was able to come in over the hub backbone and disable the repeater so we could still use the rest of the system. The offending station was still transmitting the next day. So we asked for help in tracking down the signal. Glen K1RR and Jared KK7CUR were contacted to help locate the source. Jared got the Inland Empire GMRS group to fox hunt and Glen got out as well. The source was found to be an elderly ham who had his transmitter keyed up by mistake and was quite apologetic. We had a different station key up the system for quite a while again last week. Please be careful as it locks up the system so it can't be used. Currently I have fairly long timeouts on the system, however I will be shortening them so make it easier to break in and figure out the source and disable the repeater so the rest of the system can be used. A less then 10 minute timeout is required for ID purposes and 3 minutes timeout is the standard usually used. So I will start setting repeaters and links to 3-4 minutes timeout. Remember to unkey from time to time when using the system so the "alligator" doesn't get you.

Remember to check into the weekly KBARA Wednesday evening nets at 7pm for more information on the status of the system and with any questions you may have regarding the system or questions in general regarding amateur radio. We will try to get you answers.



The 23rd annual Ham Radio holiday luncheon, held at the Longhorn Barbecue Restaurant in the Spokane Valley, was well attended this last December. Some 65 in attendance from various local clubs, "rag chewed", enjoyed the camaraderie and the fine cuisine. Unfortunately, yours truly was too busy talking/eating & forgot to take pictures so I'm including some from 2019, for old time's sake.

ANNOUNCING THE 43rd ANNUAL MIKE AND KEY ELECTRONICS SHOW & SWAP MEET

March 8, 2025 9AM – 3PM

Pavilion Exhibition Hall, Washington State Fairgrounds

110 9th Avenue SW, Puyallup, WA

ADMISSION \$13 (under 16 free with adult)

TWO FLOORS WITH 44,000 Sq FEET OF EXHIBITION SPACE

TALKIN 146.82/22 (PL 103.5)

ARRL LICENSE EXAMS

RADIO GEAR * COMPUTERS * PARTS * CLUB TABLES * SNACK BAR

FREE PARKING * CONSIGNMENTS * OVERNIGHT SC/RV Available



Table Reservation Information: (253) 631-3756, n7wa@arrl.net
VE Exam Information: (425) 788 0452, ag7t@arrl.net

Full Event Info at: <http://www.mikeandkey.org>

Fill out both sides of form.

CONTACT NAME: _____

CALL: _____ BUSINESS NAME (IF ANY): _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

eMAIL: _____ PHONE: _____

Make Checks Payable To: MIKE & KEY ARC / PAYPAL Payment is available (inquire to n7wa@arrl.net)
Mail Form and Payment To: MICHAEL DINKELMAN 22222 148TH AVE SE, KENT, WA 98042
Reservations Confirmed by Return Mail
Second Floor Info Table Registration Packets will be at the GOLD Gate unless otherwise requested

Registration Tips

Register Early as Tables are assigned on First-Come, First-Serve basis as determined by Postmark. Specific location requests are honored only if the space is available. Be flexible and get group requests in early.

Common Requests: 1 Table & 1 Seller = \$36
1 Table, 1 Seller, 1 Helper = \$49
1 Table, 1 Seller, 2 Helpers = \$62
2 Tables, 1 Seller = \$61
1 Booth, 2 Sellers = \$134

Location Requests, Special Requirements

☐ Gold Gate Packet Pickup?

Contact Name:

QTY	Description	\$
	COMMERCIAL BOOTHS @ \$ 112 SELLER/HELPER Registrations NOT included, purchase below (200 SQ FEET, Four 8'X30" Tables included. Power Access included)	
	SELLER TABLES 8'X30" @ \$ 25 EACH SELLER/HELPER Registrations NOT included, purchase below (Power access included, bring minimum 50' UL listed extension cord)	
	SELLER REGISTRATIONS @ \$ 11 EACH (Limit of ONE per TABLE purchased)	
	HELPER REGISTRATIONS @ \$ 13 EACH (Limit of TWO per TABLE purchased) (Limit of ONE per Info table)	
	DAY OF EVENT BUYER ADMISSIONS @ \$ 13 EACH (HONORED @ 9AM, March 8 - Sent by return mail) (No orders postmarked after Feb 15th 2025)	
	LATE REGISTRATION SURCHARGE For registrations postmarked after Feb 1 2025, ADD \$5 ->	
	TOTAL ENCLOSED->	

2025 SPOKANE HAMFEST

and

American Radio Relay League

WASHINGTON STATE CONVENTION



April 26, 2025 9AM-4PM
Horizon Middle School
3915 S Pines Rd, Spokane Valley WA 99206
www.spokanehamfest.org

Hosted by 6 Amateur Radio Clubs:



FLEA MARKET, SEMINARS, DEMOS, DISPLAYS, VENDORS, LICENSE EXAM; SWAP & COMMERCIAL SIZE TABLES RAFFLE & DOOR PRIZES; HIDDEN TX HUNT, REFRESHMENTS & FOOD

- **Admission \$5**
- **Age 18 & under FREE**
- **Commercial Size Tables \$20**
- **Swap Tables \$10**
Admission not included in the price of table space
Limited number of tables available; reserve before 4/19/25

Friday, April 25

Vendor setup: 6PM-7:30PM

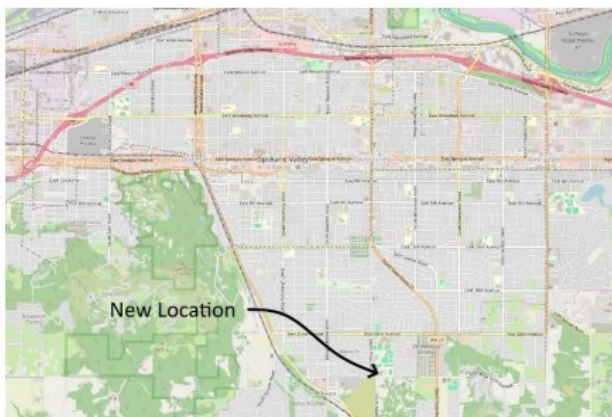
Saturday, April 26

Vendor setup: 7:30AM-9:00AM

Doors Open to Public: 9AM – 4PM

License Exam: 12PM

Grand Prize Raffle: 3:30PM



Vicinity Map: Spokane Valley



Enlarged Campus Map

Note: This is NOT a Central Valley School District sanctioned or sponsored event. Thanks to CVSD for allowing us to use this facility.



SPOKANE HAMFEST 2025 REGISTRATION

Name _____ Call Sign _____

Address _____

Phone number/E-mail address _____

_____ **Registrations @ \$5.00 each** \$ _____

Age 18 & under free

_____ **Commercial size tables @ \$20.00 each** \$ _____

Admission not included in the price of table space

Reserve before 4/19/25

_____ **Swap tables @ \$10.00 each** \$ _____

Admission not included in the price of table space

Limited number available; reserve before 4/19/25

Total \$ _____

Please make checks payable to WA Digital Radio Enthusiasts and send to:

WA Digital Radio Enthusiasts:

911 E Marletta

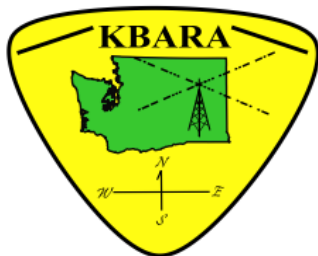
Spokane WA 99207

Prepaid registrations will not be mailed – they will be held at the ticket table, available for pickup starting Friday, 4/25/2025, from 6 PM – 7:30PM.

For additional information contact Chairwoman: Betsy Ashleman N7WRQ, 1-509-448-5821, n7wrq@aol.com

Web site: www.spokanehamfest.org

The **SPOKANE HAMFEST** is an annual event hosted by six Amateur Radio clubs: The Inland Empire VHF Radio Amateurs, Kamiak Butte Amateur Repeater Association, Northwest Tri-State ARO, Spokane DX Association, Palouse Hills ARC & Washington Digital Radio Enthusiasts



Kamiak Butte Amateur Repeater Association
KB7ARA
PO Box 30801
Spokane WA 99223-3013



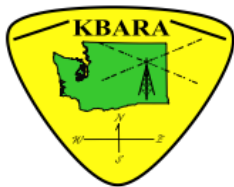
		DIRECTORS			
		N7WRR	Jim Ashleman	509-448-5821	jcageo@aol.com
		KA7FVV	Scott Harvey	509-939-9393	ka7fvv@yahoo.com
		K1RR	Glen Ahlborn	509-216-0666	glen@k1rr.com
		OFFICERS			
President	KM7H	Jim Johnson	509-936-7081	johnsonje@pm.me	
Vice President	KK7SAB	Ed Parry	509-954-7623	edparryjr@gmail.com	
Secretary	N6JXN	George Timm	509-532-8063	mr.timm@att.net	
Treasurer	N7WRQ	Betsy Ashleman	509-448-5821	n7wrq@aol.com	
		OWNERS			
		KB7ARA	KBARA	contact@kbara.org	
		K1RR	Glen Ahlborn	509-216-0666	glen@k1rr.com
		KA7FVV	Scott Harvey	509-939-9393	ka7fvv@yahoo.com
		N7WRR	Jim Ashleman	509-448-5921	jcageo@aol.com
		N7WRQ	Betsy Ashleman	509-448-5821	n7wrq@aol.com
		N1NG	Mike Maxson		mmaxson@maxsonlab.com
		APPOINTED OFFICIALS			
Control Operators	N7WRQ	Betsy Ashleman	509-448-5821	n7wrq@aol.com	
	WA7VFQ	Jim Fielder		jimfielder@comcast.net	
Registered Agent		Betsy Ashleman	509-448-5821	n7wrq@aol.com	
State of Washington	N7WRQ	Betsy Ashleman	509-448-5821	n7wrq@aol.com	
Call Sign Trustee	N7WRQ	Scott Harvey	509-939-9393	ka7fvv@yahoo.com	
Newsletter Editor	KA7FVV	Scott Harvey	509-939-9393	ka7fvv@yahoo.com	
Web Site Manager	KA7FVV	Jim Rowe		w7jjr@gmx.us	
Ambassador at Large	W7JJR				

KBARA REPEATERS and LINKS

147.380 MHz (tone 100 Hz) N7WRQ on Mica Peak near Spokane, WA, owned by Betsy N7WRQ & Jim N7WRR
147.360 MHz N7WRR on Stensgar (Stranger) Mt. near Chewelah, WA, owned by Jim N7WRR & Betsy N7WRQ
147.32 Mhz (tone 103.5 Hz) KA7FVV on West Twin near Moscow, ID, owned by Scott KA7FVV & KBARA
147.280 MHz KB7ARA on Pikes Peak in the Blue Mountains near Walla Walla, WA, owned by KBARA
147.020 MHz KB7ARA on Lookout Pass on the Idaho-Montana border, owned by KBARA
223.900 MHz KB7ARA hub repeater on Stensgar (Stranger) Mt. near Chewelah, WA, owned by KBARA
444.350 MHZ (tone 192.8 Hz) N1NG repeater on Mica Peak near Spokane WA, owned by Mike N1NG
IRLP Node #3638 K1RR in Spokane WA owned by Glen, K1RR
EchoLink KB7ARA-R 947272; AllStar 89075

KBARA NETS (Pacific Time)

Every day	7:00AM	7AM NW Regional International Net
Wednesday	7:00PM	KBARA Wednesday Evening Club Net



**Kamiak Butte Amateur Repeater Association
KB7ARA
PO Box 30801
Spokane WA 99223-3013**



KBARA is a support group for several club and privately owned linked Amateur Radio repeaters. The system covers an area from NE Washington to NE Oregon, and from western Montana to central Washington. The KBARA system is also part of the Evergreen Intertie, an interconnected group of repeaters located in western Washington and Oregon. The primary purpose of the KBARA repeaters is to provide a means for emergency communications within the above areas, and secondarily for routine radio traffic. It makes possible a single system of mobile communications coverage, extending the limited range provided by any single repeater operation. The KBARA FM repeaters operate in the VHF bands and are linked by UHF radios, IRLP, EchoLink KB7ARA-R, and AllStar node 53587. The repeaters' frequencies, call signs and locations are as follows:

147.380 MHz N7WRQ on Mica Peak near Spokane, WA, owned by Betsy N7WRQ & Jim N7WRR
147.360 MHz N7WRR on Stensgar (Stranger) Mt. near Chewelah, WA, owned by Jim N7WRR & Betsy N7WRQ
147.320 MHz (103.5 Hz tone) KA7FVV on West Twin near Moscow ID, owned by Scott KA7FVV & KBARA
147.280 MHz KB7ARA on Pikes Peak in the Blue Mountains near Walla Walla, WA, owned by KBARA
147.020 MHz KB7ARA on Lookout Pass on the Idaho-Montana border, owned by KBARA
223.900 MHz KB7ARA hub repeater on Stensgar (Stranger) Mt. near Chewelah, WA, owned by KBARA
444.350 MHz N1NG (192.8 tone) on Mica Peak near Spokane, WA, owned by Mike N1NG
IRLP Node #3638 in Spokane WA owned by Glen, K1RR

All licensed Amateur Radio operators are welcome to use this open repeater system.

To support KBARA, please send your contributions to: **KBARA, P.O. Box 30801, Spokane, WA 99223-3013**

Name _____ Call Sign _____

Address _____

City/State _____ Zip _____

Telephone _____ Amount Paid _____

Email Address _____ ARRL Member? _____

Dues are \$15.00 per year for individuals and \$20.00 for a family (all must be living at the same address), but any amount will be greatly appreciated. Dues are due January of each year. If they are paid between September 1 - December 31, they will be applied through the entire following year. Also, any contribution to the Repeater Fund will be gladly accepted. For more info, please visit our website at www.kbara.org. See us on Facebook.



Upcoming Hamfests and Events

Courtesy of N7CFO.com

~~~~~2025~~~~~

April 26. Spokane Hamfest, ARRL Washington State Convention. Horizon Middle School, 3915 S. Pines Rd, Spokane Valley, WA 99206. *This is an ARRL Sanctioned Event.* <http://spokanehamfest.org/>

May 10. Stanwood Camano ARC 32nd Annual Electronic Flea Market and Hamfest. Stanwood, WA. [https://scarcwa.org/ham\\_fest.shtm](https://scarcwa.org/ham_fest.shtm) .

May 30, 31 and June 1. SEA-PAC Hamfest and ARRL Northwestern Division Convention. Seaside Convention Center, Seaside, Oregon. *This is an ARRL Sanctioned Event.* [info@seapac.org](mailto:info@seapac.org) . [www.seapac.org/](http://www.seapac.org/) . [November edition of SeaPac Waves.](#)

June 6, 7, & 8. Wenatchee Apple City ARC Hamfest, Dryden, WA. <https://www.applecityarc.com/>

June. Port Ludlow ARC Tail Gate Swapmeet. <https://www.n7pl.org>

July 26. Chehalis Valley ARC Swapmeet.

August 17. Puget Sound Antique Radio Association Annual Swapmeet. <http://psararadio.com/>

September. High Desert Amateur Radio Group 3rd Annual High Desert Ham Fest, Redmond, Oregon. [www.hidarq.org](http://www.hidarq.org) . contact [kf7max@arri.net](mailto:kf7max@arri.net)

October. Pacific Northwest VHF Society Conference. <http://www.pnwvhfs.org/>

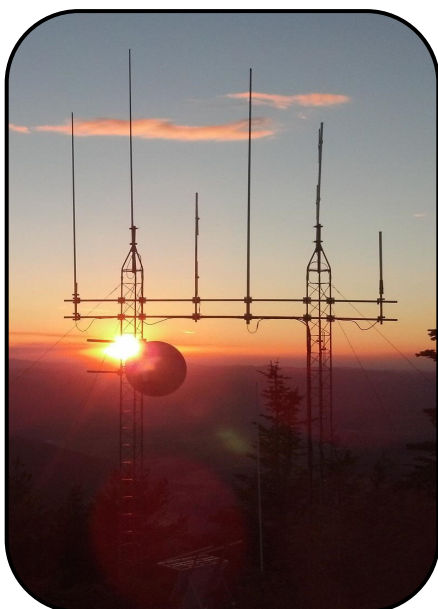
October Kitsap County ARC Hamfest. Bremerton, WA. <https://kcarc.org/hamfest/>

October 18. Swaptoberfest. Rickreall, OR. [www.swaptoberfest.com](http://www.swaptoberfest.com)



# KBARA Repeaters and Echolink/IRLP Nodes

| Frequency         | CTCSS Tone | Location          | Call sign | RF Link                     |
|-------------------|------------|-------------------|-----------|-----------------------------|
| <b>Repeaters</b>  |            |                   |           |                             |
| 223.90 MHz        | None       | Stensgar Mtn      | KB7ARA    | Hub                         |
| 147.38 MHz        | 100.00     | Mica Peak         | N7WRQ     | KB7ARA—223.90               |
| 147.36 MHz        | None       | Stensgar Mtn      | N7WRR     | Hard wired Hub              |
| 147.02 MHz        | None       | Lookout Pass      | KB7ARA    | N7WRQ—147.38                |
| 147.28 MHz        | None       | Pikes Peak        | KB7ARA    | KB7ARA—223.90               |
| 147.32 MHz        | 103.5      | West Twin, Moscow | KA7FVV    | IRLP                        |
| 444.350 MHz       | 192.8      | Mica Peak         | N1NG      | Stand Alone                 |
| <b>Links</b>      |            |                   |           |                             |
| Echolink KB7ARA-R | N/A        | Spokane, WA       | KB7ARA-R  | KB7ARA - 223.90             |
| IRLP Node 3638    | None       | Spokane, WA       | K1RR      | KB7ARA—223.90<br>& Ref 9075 |



**KBARA Membership / Support Information:** The KBARA repeater system consists of several club & privately owned linked Amateur Radio repeaters. It covers an area from northeastern Washington to northeastern Oregon, and from western Montana to central Washington. The KBARA system is also part of the Evergreen Intertie, an interconnected group of repeaters located in western Washington and Oregon. The primary purpose of the KBARA repeaters is to provide a means for emergency communications within the above areas, and secondarily for routine radio traffic. It makes possible a single system of mobile communications coverage, extending the limited range provided by any single repeater operation. The KBARA FM repeaters operate in the VHF bands and are linked by UHF radios. All licensed Amateur Radio operators are welcome to use this open repeater system. Your support would also be greatly appreciated. Please visit this site for more information:

<http://www.kbara.org> for more information about the club and repeaters.

## KBARA Officials

### Directors

Jim Ashleman, N7WRR  
Scott Harvey, KA7FVV  
Glen Ahlborn K1RR

### Officers

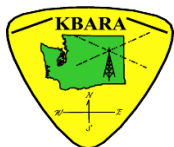
President: Jim Johnson, KM7H  
Vice President: Ed Parry, KK7SAB  
Secretary: Tim, N6JXN  
Treasurer: Betsy Ashleman, N7WRQ

Testing is held the 3rd Wednesday of every month. Brought to you by Glen, K1RR. If you have any questions please contact Glen at [glen@k1rr.com](mailto:glen@k1rr.com) or 509.216.0666.

**Contact Glen for updates on testing.**



To support KBARA, please send your contributions to:



**KBARA**  
**PO Box 30801**  
**Spokane WA 99223-3013**

Annual support is \$15 per calendar year for a single membership and \$20 for a family membership. Dues are due in January of each year and if paid between September 1 and December 31, they will be applied through the entire following year. Also, any contribution will be gladly accepted to the Repeater Fund. This can also be done via PayPal on our webpage at [www.kbara.org](http://www.kbara.org).

## KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION

PO Box 30801

Spokane WA 99223-3013