



# KB7ARA

*Kamiak Butte Amateur Repeater Association*

## Spring 2014



### Mike & Key Hamfest, Puyallup

**March 8, 2014 Recap**

By Scott, KA7FVV

The Mike & Key was attended by Roger, Glen, myself and John, AAT. John drove up from sunny California to help us man the table. We had many visitors by our table and had a couple of renewals. We sold quite a few raffle tickets for our hamfest as well.



The hamfest was well attended as always. Getting to tables before noon was an effort at best. I think we all hauled home some new treasures that day and wish we had the money for the expensive radios demoed at the Icom booth. Teaser pictures of the new IC-5100 on Ray Novak's iPad was the the best he could do for us.



# *From the Desk of our President*

## Members

I would like to thank Glen, Scott and John (who traveled from California to assist) for their assistance at the Mike and Key Show in Puyallup. The show was well attended and a large number of hams stopped to thank KBARA for their service to Western Washington. The table looked very nice with the KBARA banners and candy attracted Hams from Spokane, Eastern Washington, British Columbia and California. Several D-Star users stopped to thank KBARA for having a DStar system and for using the Washington State Reflector. Raffle tickets for the Spokane Hamfest and KBARA memberships were sold. The table is a good way to get the word out about KBARA.

The Yakima Hamfest held in Selah is coming up April 12<sup>th</sup>. KBARA will have a table at that event.

Spokane Hamfest is moving along, Thanks Betsy for your hard work for that event and KBARA.

Spring is a time of renewal I would like to propose that the members of KBARA keep in mind the Amateur Code written in 1928 by Paul M. Segal W9EEA when on the air.

## **THE RADIO AMATEUR IS:**

**CONSIDERATE**...never knowingly operates in such a way as to lessen the pleasure of others.

**LOYAL**...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

**PROGRESSIVE**...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

**FRIENDLY**...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

**BALANCED**...radio is an avocation, never interfering with duties owed to the family, job, school or community.

**PATRIOTIC**...station and skill always ready for service to country and community.

Professionalism when on the air between hams and owners should be the goal of all. Again thanks for great members, officers, appointed officials and the net hosts that promote and use the KBARA System.

73

Roger Krug KF7JJC  
President KBARA



## Summits On The Air or SOTA

Summits On The Air, or SOTA, is a type of ham radio contest that gives points for talking to and from ham operators on mountain tops. SOTA "Activators" get points by making contacts from the summit. SOTA "Chasers" get points for talking to the activators from a base station. A summit is "activated" by reaching it through some form of human transit, and then making a contact. Points are given when the activator gets four unique contacts. By SOTA rules, activators need to make their final ascent to the summit by human power such as hiking, snowshoes, skiing, or cycling. However, SOTA is NOT just for mountaineers. Many of the summits in our area are easily accessible by a short walk. Hams that want to take part in the contest from the comfort of their own ham shack can be chasers. Activators LOVE their chaser! Activations have to be done on simplex (not using repeaters). Most SOTA activators use QRP HF, either CW or phone. However, summits can be activated on any band and with any mode.

For me, SOTA has let me combine several of my hobbies into one activity. I've accessed summits by bike, back country skis, and on foot. I don't have a portable HF radio. Therefore all of my activations have been with my HT radio on 2 meter FM simplex. This mode works pretty well for activations around metropolitan areas such as Spokane. I've talked to chasers up to 100 miles away using my handheld. Check out some of my activations below...

These two photos are from an activation we did on top of Mount Spokane. We accessed the summit by mountain bike.





The photos below are from an activation I did on "Krell Hill", AKA Tower Mountain, just southeast of Spokane.



And the activation below took place close to KBARA's Lookout Pass repeater site, on the Idaho-Montana boarder. With several feet of snow on the summit, we reached it using back country skis:



More information can be found on the SOTA websites listed here:

Main SOTA site: "<http://www.sota.org.uk/>"

Pacific Northwest Chapter: "<http://www.pnwsota.org/>"

SOTA mapping project ( a cool way to see the summits in your area ) : "<http://sotamaps.wsstvc.org/>"

Feel free to contact me for more information or questions. Maybe we can meet up for an activation!

Mike

K7EHT

mikesirott@gmail.com

## Summer Campout and Annual Meeting July 26th and 27th

*Important  
DATE!*

Location of the campout this year will be Deer Lake, 36 miles northwest of Spokane.  
Camping will be at:

### Deer Lake Resort

3906 West Canyon Springs Way

Deer Lake, WA 99148

509-233-2081

[www.deerlakeresort.com](http://www.deerlakeresort.com)

RV sites are \$38 per day.

# CAMP OUT!



The Annual Meeting will be at Betsy and Jim's lake house within walking distance of the resort on Saturday, July 26th at 1 pm. A potluck will follow the meeting. Listen for more details on our 7 AM and Wednesday night nets.

**A list of silent keys since our last newsletter. They will all be missed.**

**Neil Gallup, N7LVO**

**Don Vogel, WA7BAA**

**Bob Phillips, W7LMA**

**Dallas Lund, W7DAL**



# Hamfests

*"The Northwest's Largest Ham Convention"*



Host of the ARRL Northwestern Division Celebration

**June 6, 7 and 8, 2014**

**Seaside Convention Center  
415 First Avenue, Seaside, Oregon**

The Oregon Tualatin Valley Amateur Radio Community Services, Inc. and  
The Oregon Tualatin Valley Amateur Radio Club, Inc. sponsoring  
organization of SEA-PAC wishes to thank the Clark County Amateur Radio Club,  
Sunset Empire Amateur Radio Club, STARS and RAGS for their support.

**Talk-in: 145.450(-) Tone 118.8  
[www.seapac.org](http://www.seapac.org)**

**Convention sponsors reserve the right to alter the convention schedule and programs.**  
All registrants, including convention sponsors, are eligible for awards. Good luck to all!

**Seaside Convention Center**  
is a No Smoking Facility.  
ORS 433.839 and ORS 433.875  
No Pets Allowed in the Convention Center.

**For all Pacific Northwest Hamfests be sure and  
check out the website of N7CFO. He has all the  
area hamfests including the ones highlighted  
here.**

**[www.n7cfo.com/amradio/hf/hf.htm.ham](http://www.n7cfo.com/amradio/hf/hf.htm.ham)**





# KARS

Kootenai Amateur Radio Society

## HAMFEST 2014

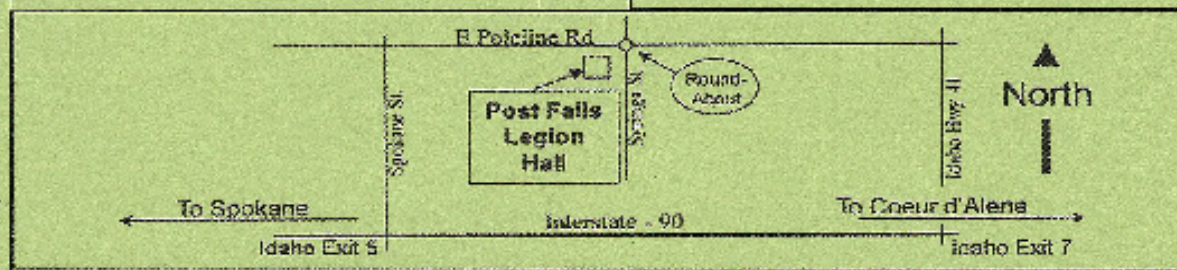


**Saturday, June 14, 2014 — 7am to 1pm**  
**AMERICAN LEGION HALL, POST FALLS, IDAHO**  
Doors open at 6:30am

- General Admission—\$5.00  
Age 16 and under—FREE
- Swap Tables—\$10.00  
Includes one admission
- Grand Prize Tickets—\$5.00 each  
or 3 for \$10.00
- Door Prize Tickets—3 for \$1.00
- Door Prize Drawings - every 1/2hr

### The HAMFEST Schedule

- Breakfast—7am to 11am
- Lunch—11am to 12:30pm
- VE Testing—9am. On-site
- Grand Prize: YAESU FT857D
- Door Prizes
- Silent Auction



Hamfest Info: Jim Monroe, 208-755-2100 / [n7esu@arrl.net](mailto:n7esu@arrl.net)  
Testing Info: Larry Telles, [k6spp@arrl.net](mailto:k6spp@arrl.net)

Talk-In Repeater: 146.98 (-), 127.3  
Visit Us at: [www.K7ID.ORG](http://www.K7ID.ORG)



# Clark County Ham Fair

August 16th, 2014

9:00 AM - 2:00 PM

Whether you are looking to sell or buy, this is the place to be

**Door Prizes, Raffle, Food,  
Consignment Table, Short Seminars,  
and Much Much More**

**Pre-Register for VE Testing**

**Entry Fees:**

Pre-Registration\*: \$6.00  
At The Door: \$8.00  
Tables: (\$15.00 at the door) \$12.00  
Power to Tables\*\*: \$1.00

\* Pre-Registration ends July 18th, 2014

\*\*Limited number of tables available

**No Camping**

**Canned Food Drive**

1 Can Food = 1 Raffle Ticket



All food donations go to the  
Clark County Food Bank  
Three Tickets Per Person Maximum  
No Maximum Food Donation

**Location:**

**Salmon Creek American Legion Hall  
14011 NE 20th Avenue  
Vancouver, Washington**



**Talk-In Frequencies**

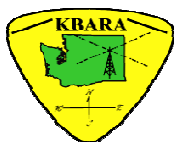
147.240 MHz (PL 94.8)

For more information go to [www.w7aia.org](http://www.w7aia.org)  
or email: [clarkcountyhamfair@w7aia.org](mailto:clarkcountyhamfair@w7aia.org)

**Sponsored By  
Clark County Amateur Radio Club**







## 2014 Membership Dues



Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Amount Paid: \_\_\_\_\_

E-Mail: \_\_\_\_\_ ARRL Member #: \_\_\_\_\_

Would you rather receive the newsletter via computer, instead of receiving it in the mail? \_\_\_\_ YES \_\_\_\_ NO

Dues are a minimum of \$15.00 per year for individuals and \$20.00 for a family (all must be living at the same address). 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. And any additional amount going toward the Repeater Fund will be graciously accepted. To support **KBARA**, please send your contributions to:

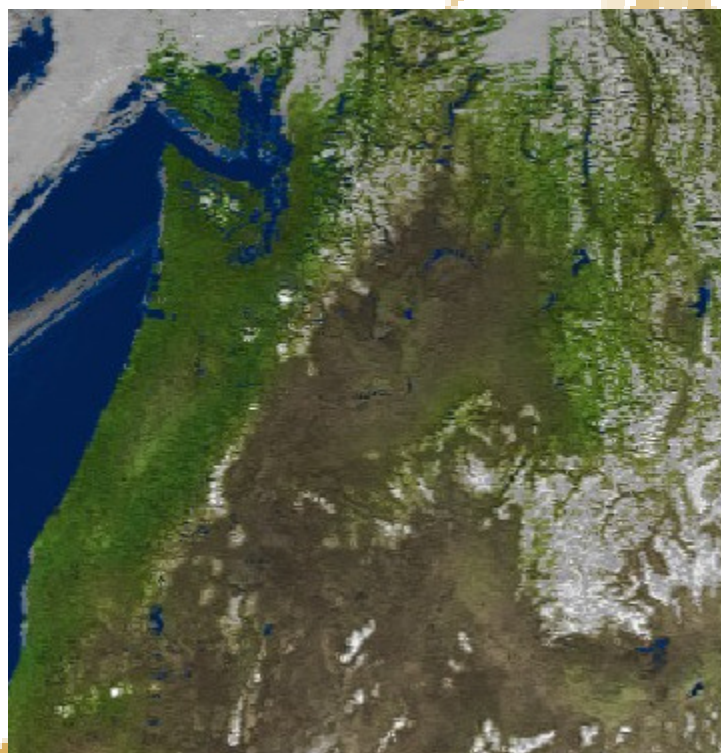
**KBARA, PO Box 30801, Spokane WA 99223-3013**

Please visit our **KBARA** website for more information: <http://www.kbara.org>

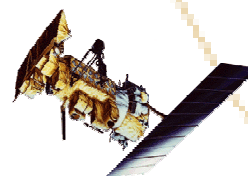
**PayPal**



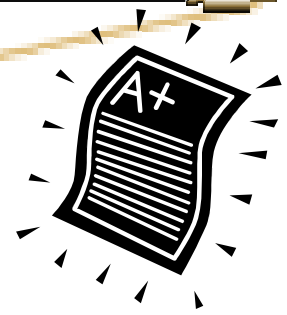
via our web page. No check or stamp needed.



All of you have seen the weather satellite posts the John, AAT and I do on Facebook. This one was particularly nice on a clear day in March. NOAA 19 overhead pass for Spokane. Here I have removed the state border overlay. The detail is pretty amazing. If you look close you can see the Columbia River and that is snow in the Cascades and Rocky Mountains. Multiple lakes can be seen, even Coeur d'Alene.  
Scott, KA7FVV



# Amateur Radio Testing Sessions



## **Chewelah, WA, ARRL VEC**

Abundant Life Church (Basement)m E 2nd & Clay St, Chewelah WA 99109-9660

Contact: Karl Miller, WX7DX: (509)258-8922 email: wx7dx@arrrl.net

## **Coeur d'Alene (Hayden), ID, ARRL VEC**

Second Monday of every month starting at 5:30PM at the Search & Rescue Building, 10865 N. Ramsey, Hayden, ID 83835.near the South end of CDA Airport

Contact John Hollar, Jr., N7JU, (208) 968-0703 email: n7ju@roadrunner.net

## **College Place, WA. ARRL VEC**

May 18, 2014, 2PM, Walla Walla University, 100 SW 4th 1st Door Bldg, Chan Shun Pavilion, Lecture Hall RM 154, College Place WA 99324-9999

Contact Mable Babbitt WB5AVH, (509)525-7003, email: wb5avh@msn.com

## **Colville, WA, ARRL VEC**

May 21, 2014, 6PM; Community Colleges of Spokane, 985 S Elm St, Colville WA 99114-2662

Contact Tommy L Howe, (509)684-5565; email: thowe@hotmail.com

## **Kennewick, WA, ARRL VEC**

May 18, 2014; July 20, 2014; September 21, 2104, November 16, 2014; 2PM; Boy Scout Office, 8478 W Gage Blvd, Kennewick WA 99336-1075

Contact: Michael Tesky, KC7CCK (509)783-6236; email: kc7cck@frontier.com

## **Pullman/Moscow, WA, ARRL VEC**

Contact: Tom Storer, KI6DER, (509)334-6979; email: KI6DER@AmSat.org

## **Spokane, WA, ARRL VEC**

Monthly at Outpost (behind Conley's Restaurant) 12624 E Sprague Ave, Spokane Valley WA 99216

Contact: Mary Qualtieri, AA7RT, (509) 991-2192; email: aa7rt@me.com

## **Spokane, WA, W5YI VEC**

June 17, 2014; August 19, 2014; October 21, 2014; December 16, 2014; 7PM, Tuesday; 2nd Look Books, 2829 E 29th Ave Ste C, Spokane WA 99223, 509-535-6464 (at 29th Ave & Regal in Lincoln Heights Shopping Center)

Contact: Betsy Ashleman, (509)448-5821 email: n7wrq@aol.com

Please bring two pieces of identification, one having a photo, radio license, if any, plus a photocopy, & any outstanding Certificates of Completion, plus a photocopy, & Social Security number or FCC Registration Number (FRN), and cash or check made out to the "ARRL" (\$15) or "W5YI" (\$14). If you pass a lower class license, you may sit for the next highest class on the same exam fee. You may retake any failed exam for an additional fee at the same testing session



## New FM Amateur Radio Satellite launched from ISS

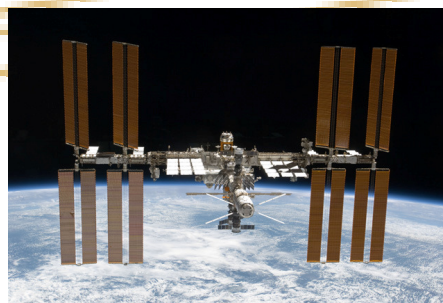
by Scott, KA7FVV

### LituanicaSAT-1

- FM Transponder:  
Uplink 145.950 MHz Downlink 435.180 MHz
  - AX25 Uplink 145.850 MHz AX25 Downlink  
437.550 MHz
  - CW Beacon 437.275 MHz
- Facebook:  
<https://www.facebook.com/Lituanicasat1>

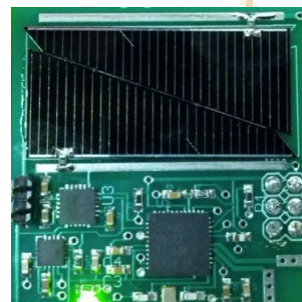
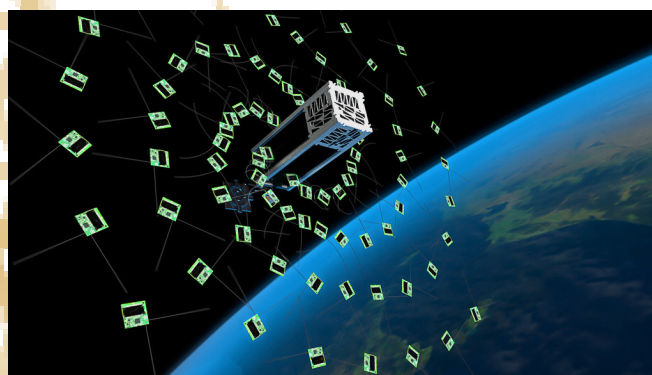
<http://ka7fvv.home.comcast.net>

LituanicaSAT-1 was deployed from the ISS on February 28th. The CW beacon was heard from my station but nothing on the transponder. There are reports of brown outs during eclipse. They are contributing this to problems with the solar panels. The CW beacon was being turned off to facilitate quicker charging of the batteries.



### Milestone for smallest satellites ever launched. 3.5 x 3.5 cm. 200 of them!

KickSat CubeSat was deployed with the latest SpaceX Dragon resupply mission to the ISS. Satellite was deployed from the Falcon 9 rocket body after Dragon separation. This is scheduled to launch on April 14th at 1658 EDT. The cubesat will start transmitting telemetry on 437.505 MHz with 1 watt of power shortly after deployment. The sprite satellite that are 3.5 cm square and just a flat circuit board will be deployed 16 days after launch. They will transmit on 437.240 MHz with 10 mw broadband signal.



# KBARA Members for 2014

Call	Name	Call	Name	Call	Name
	Juanita M. Johnson	KL7M	David Cloyd	W7WTO	Royal Moore
	Flathead Valley Repeater	K7MAT	K. Todd Wagner	AD7XH	Richard L. Schultz
	Edward C. Johnson	KF7MCC	Brad Highley	N7ZUF	Jay F. Lopes
	Debby Phillips	KF7MCD	Levi M. Johnson	W7ZVD	George C. Copeland
NB1A	Kevin B. Albaugh	VE7MEL	Battel Mel R		
KD7AAT	John P. Myers Jr.	K7MM	Dan Ransom		
KE7ADN	Gabbee (Gail) Perry	KF7NFD	Jonathan Rumsey		
KE7ADT	Robert Bearpaw Galindo	N1NG	Michael Maxson		
W7ALT	Walter A. Davis	KE7NUB	Duane Statler		
WB7AUK	Art Gemmrig	WB7NUE	Jerry Harnois		
WX7B	Chris Pritchard	AK2O	Karl Shoemaker		
WA7BEV	Bev Starbuck	W7OE	John P. Dempster		
WA7BFN	Rollin A. Johnson	VE7OLV	Oliver Amateur Radio Club		
W7BRT	Mark R. Bamford	KC7OQR	Cathie Hebel		
KB7BTU	Melvin J. Baillie	KC7OQS	George Hebel		
WA7CBX	Bernie Frazier	KC7ORO	Denise Hebel		
W7CDP	Craig Phillips	AA7P	Richard J. Hebel		
W7CQW	C. Q. (Quint) Webb	W7POV	Michael R. Cramer		
KD7DDQ	Ken Crosswhite	KC7QHE	James L. Willard		
KA7DKV	Russell Doyl	W7QHZ	Martin Pittmann		
KG7EBQ	Kurt Greenbaum	KF7QLH	Glen Ahlborn		
K7EHT	Michael J. Sirott	KD7QLT	Wilber H. Earl		
WJ7F	Bob Ryno	W0QPO	Daniel G. Cummings		
AD7FO	Jack Tiley	W7RHE	Richard H. Edwards Jr.		
N9FOX	Barbara J. Moore	W7RJR	Robert Raymond		
KA7FVV	Scott P. Harvey	KC7RQF	Charlene E. Davis		
KB7GJY	Allen Gemmrig	NJ7S	Burton Grover		
W7GSV	Robert M. Rosie	KG7SD	Richard Thorton		
VA7GV	Guy Venne	K3SHD	C. Victor Bak		
W7HFI	Robert Lemon	WB7SHL	Roger Eckhardt		
W7HNH	John L. Williams	K6SSI	William Romine		
K7HPT	Mark Van Winkle	W7SSK	Don Wilkinson		
K7HRT	Patrick P. O'Dea	KA7SUZ	JoAnn Gemmrig		
KG7HYA	Bruce Maddux	KB7TCM	Keith E. Sly		
KG7HYC	Carol Maddux	KF7THF	Glen Sharp		
KG7HZT	Jeff Winikoff	K7TNS	Thomas Surbrook		
KE7IAT	Gary Roth	KC7TV	Link Shadley		
N7IIS	Donna M. Eckhardt	W7TXP	George L. Wallace		
KF7JJC	Roger Krug	AA7UE	Larry L. Sayrs		
W7JLJ	John J. Lally	KF7UTH	Dennis P Roberts		
KI7JO	Daniel Bogle	KK7VO	Elizabeth Simon		
KF7KAC	Alice Baillie	KF7VSL	Justin Moss		
VE7KLI	Dona Mottishaw	W7VWV	Dean Simmons		
N7LKG	Bill Korfhage	VE7WAJ	Albert Whiteside		
W7LKR	Patrick Brandt	VE7WC	Al Nelson		
W4LKS	Randy Wilkinson	WA7WKX	Stephen Lalonde		
WA7LRD	Kent Gunnison	KF7WOR	Robert Pfister		
K7LRG	Leonard Gross	N7WRQ	Elizabeth Ashleman		
N7LVO	Neil P. Gallup	N7WRR	James Ashleman		



## **KBARA Repeater Fund Members 2013-2014**

We wish to thank the following contributors for their very generous donations to our Repeater Fund this year.

### **Bronze Membership \$1—\$20**

Debby Phillips	Craig, W7CDP	Duane, KE7NUB
Chris, WX7B	Levi, KF7MCD	Dan, W0PO

### **Silver Membership \$21—\$49**

Vev, WA7VEV	Bob, W7GSV	Jeff, KG7HZT
Mike, K7EHT	Bruce, KG7HYA	George, W7TXP
Scott, KA7FVV	Carol, KG7HYC	

### **Gold Membership \$50—\$100**

Wilber, KD7QLT

### **Platinum Membership over \$100**

Roger, KF7JJC      Dennis, KF7UTH

Looking forward to seeing everyone at the Annual Campout and Meeting this year. Have a great spring and start of summer.



Scott, KA7FVV  
KBARA Vice President and Newsletter Editor.

## KB7ARA REPEATERS and IRLP/Echolink Nodes

Frequency / Callsign	CTCSS Tone	Location	Owners	RF Linked?
<b>Repeaters:</b>				
146.74 Mhz / W7HFI	None	<u>Kamiak Butte</u> near Colfax and Pullman, WA	Bob-W7HFI Jay-N7ZUF John-W7OE	Yes - AK2O (223.90)
223.90 Mhz / AK2O	None	<u>Stensgar (Stranger) Mt.</u> Northwest of Spokane near Chewelah, WA	Karl-AK2O	Yes - Hub
<u>147.38 Mhz / W7OE</u>	None	<u>Mica Peak</u> , East of Spokane	John-W7OE	Yes - AK2O (223.90)
<u>147.36 Mhz / KF7QLH</u>	None	<u>Stensgar (Stranger) Mt.</u> Northwest of Spokane near Chewelah, WA	Glen-KF7QLH John-W7OE	No - Hard wired to hub controller
<u>147.02 Mhz / K7HPT</u>	None	<u>Lookout Pass</u> on the Idaho-Montana border	Mark-K7HPT John-W7OE	Yes - W7OE (147.38)
<u>147.28 Mhz / KD7DDQ&gt;</u>	None	<u>Pikes Peak</u> , SE of Walla Walla	Ken-KD7DDQ Mark-K7HPT	Yes - AK2O (223.90)
<u>443.125 Mhz / KB7ARA</u>	D-Star Digital Voice Module B	<u>Providence/Sacred Heart Medical Center</u> in Spokane	Glen-KF7QLH Randy-W4LKS	No D-Star Only
<u>1293.3 Mhz / KB7ARA</u>	D-Star Digital Voice Module A	<u>Providence/Sacred Heart Medical Center</u> in Spokane	Glen-KF7QLH Randy-W4LKS	No D-Star Only
<u>1249.0 Mhz / KB7ARA</u>	D-Star Digital Data 128kbps Internet	<u>Providence/Sacred Heart Medical Center</u> in Spokane	Glen-KF7QLH Randy-W4LKS	No D-Star Data
<b>Links:</b>				
IRLP Node 3636 (KB7ARA)	None	East Tiger Mt, Issaquah, WA	Jack-W7HNNH	Yes - K7NWS (145.33) & IRLP Reflector 9075
IRLP Node 3638 (KF7QLH)	None	South Hill, Spokane, WA	Glen-KF7QLH	Yes - AK2O (223.90) & IRLP Reflector 9075
IRLP Node 3282 (KF7QLH)	100 hz	Simplex Node on 147.40 Mhz, NW Spokane	Glen-KF7QLH	No - IRLP Only



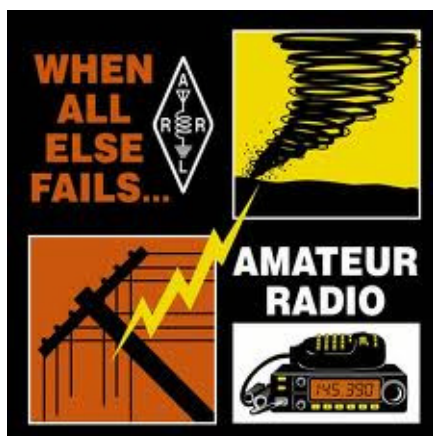
**KBARA Membership / Support Information:** The KBARA repeater system consists of several privately owned linked Amateur Radio repeaters. It covers an area from northeastern Washington to northeastern Oregon, and from western Montana to central Washington. The KBARA system is also part of the Evergreen 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. The repeaters' frequencies, call signs, locations and owners are as follows:

All licensed Amateur Radio operators are welcome to use this open repeater system. Your support would also be greatly appreciated.

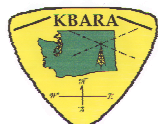
Please visit these sites for more information: <http://www.kbara.org> and visit <http://groups.yahoo.com/group/evergreenintertie>



**Follow us on Facebook**



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.

**KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION**

**PO Box 30801**

**Spokane WA 99223-3013**