

# KB7ARA

*Kamiak Butte Amateur Repeater Association*

Summer 2012 Edition

## KBARA Gazette



### KBARA Annual Camp Out & Meeting

\*\*\*\*\* July 27th—29th \*\*\*\*\*

At Boyer Park. Detailed information on page 2.

### D-Star Information by Scott, KA7FVV

Thanks to Pat, K7HRT we have a D-Star repeater in Spokane. The Frequency: **443.125 +**, V 1293.3 out , 1273.3 in V , 1249 D simplex for data. Currently located in the Spokane Valley.

The first question that comes to mind is: **What is D-Star?**

**D-STAR (Digital Smart Technologies for Amateur Radio)** is a digital voice and data protocol specification developed as the result of research by the Japan Amateur Radio League to investigate digital technologies for amateur radio.

Currently Icom is the only manufacturer that has elected to build D-Star technology into their amateur radio line.

**D-Star Links**—There is a wealth of information on the internet about D-Star.

**Great info page**—<http://www.comfac.com/SMCARAM/DSTAR.htm>

**Icom's Page**—<http://www.icomamerica.com/en/products/amateur/dstar/dstar/default.aspx>

**D-Star Info**—<http://www.dstarinfo.com/home.aspx>

**PDF with great info**—<http://www.arrl-nh.org/What-is-D-Star.pdf>

**Icom Canada D-Stat Info**—<http://www.icomcanada.com/dstar/index.htm>

**Hollywood Trivia:** Last Man Standing comedy with Tim Allen as a amateur radio operator, Mike Baxter, KA0XTT, is using an Icom IC-9100 and IC-92AD radios and D-STAR.



Remember KBARA is on Facebook. Search for KBARA and click



Even though KBARA is not on Twitter, it is a great tool for hams to make schedules for QSO's.







# Kamiak Butte Amateur Repeater Association Camp Out & Annual Meeting, July 27 -29, 2012

All are welcome!



Here's your chance to eye-ball each other, along with camping, swimming, fishing, schmoozing & just generally Ham-O-Rama & summer bash. Do not miss it!

The Port of Whitman County maintains Boyer Park and Marina which is leased from the U.S. Army Corps of Engineers. The park has a full-time supervisor and concessionaire ready and willing to help with the needs of recreational enthusiasts.

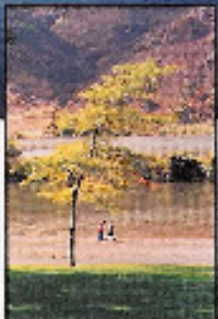
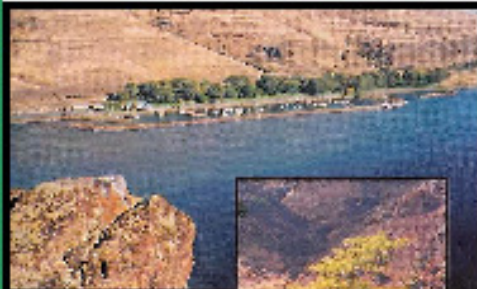
The Marina provides free launching alongside a service dock where gasoline is available. Boats are conveniently accommodated and boats can be rented on a daily or monthly basis.

Boyer Park Board offers four pleasant rooms for your overnight stay. A fully accessible board room is available on request. Boyer Park Restaurant offers a relaxing atmosphere and a varied menu. Covered shelters accommodating 50 are available for rental for those special gatherings. A convenience and RV store is handy for those forgotten items. Boyer Park offers the Snake River trail for



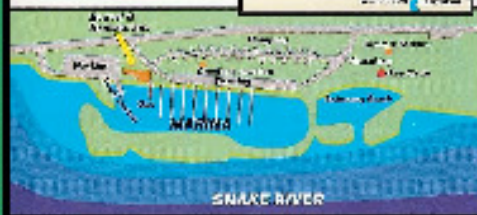
rottenbliding  
bliding or a  
bliding walk.  
The enclosed  
swimming  
area, sandy beach, and picnic facilities make a perfect setting for the gathering of family and friends.

Overnight camping sites have all the extras, with water, electricity, sewer hookups, garbage collection, dump station for holding tanks, hot showers, rest rooms, laundry facilities, and picnic tables. All facilities are open 7 days a week from mid-April until mid-October. Lower Granite Lock and Dam is 2 miles from Boyer Park. The Visitor Center contains a Fish Viewing Room and Counting Station.



Boyer Park and Marina is a great place to be on a hot and sunny day!

This 140-acre site is situated on the scenic Snake River about 20 miles southeast of Pullman, Washington and offers many kinds of recreational enjoyment from fishing, boating, swimming, camping, picnicking to just spending a lazy day on the beach.



Come to the KBARA Camp Out & Annual Meeting at beautiful Boyer Park & Marina, 1753 Granite Rd, Colfax, WA 99111 on the Snake River, just downriver from the Lower Granite Dam.

**PANCAKE BREAKFAST:** Saturday, July 28, 2012, 8AM

**ANNUAL MEETING:** Saturday, July 28, 2012, 3PM

**POTLUCK DINNER:** Following the annual meeting, around 5PM, July 28, 2012

**TALK-IN FREQUENCY:** 146.74 MHz (-) repeater & 146.520 MHz simplex

**DIRECTIONS TO BOYER PARK:** from Spokane drive south on Hwy. 195 to Colfax; drive through town on Main St., following the sign to Almota going up the hill (just past Eddy's Chinese Restaurant on your right); continue to follow the signs to Almota & Boyer Park/Lower Granite Dam; drive time about 1 1/2 hours & 77 miles from Spokane. From Pullman, & points south, from Hwy. 195 at Pullman, take Hwy 194 west, following the signs to Almota & Boyer Park/Lower Granite Dam.

**FOR INFO ABOUT BOYER PARK & MARINA** call 509-397-3208 or visit [www.bpark.biz](http://www.bpark.biz); in KBARA group area sites 2-7, partial hookup sites \$27 per night, tents \$12; sites available Friday, 7/27 2PM to 7/29 2PM; for reservations contact Betsy, N7WRQ, phone: 509-509-448-5821, e-mail: [n7wrq@aol.com](mailto:n7wrq@aol.com)

## *From the Desk of our President*

Hello,

It's been a great year for KBARA and I'm privileged to have served in the position of your president. It has given me the opportunity to get to know more of our wonderful members, dedicated owners,

and those who through contribution and tireless energy have made this club even greater. Of particular

note are the contributions of Randy KF7RVY our IS go to guy, for the KBARA "EchoLink". Glen, KF7QLH, our Secretary, Co-Owner of the "36" and our IRLP, Betsy for her tireless contributions over the years to KBARA, our Treasurer and Scott, KA7FVV, our VP and Newsletter editor.

Last but not "Least" John, KD7AAT, our Spokane Rep and Net Manager. And all the Net Control

Operators that have gone on to make sure we have a 7AM net 365 days a year.

BRAVO you guys and gals. Hats off to you all.

The Annual KBARA campout is fast approaching, July 27<sup>th</sup> – 29<sup>th</sup> at Boyer Park.

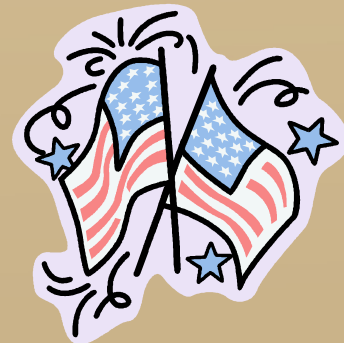
The business meeting will be held at 3PM on Saturday (28<sup>th</sup>) followed by what looks like a GREAT potluck dinner.

If you can, come on down and join us. It's always a great time.

The Spokane Hamfest will be here before you know it. Betsy, N7WRQ has been busy working the plans for what I'm sure will be another fine event. They can always use extra help. If you have any ideas for securing door prizes or other donations to the event, please let her know.

That's it for this time. Have a great summer. We'll see you at the campout

Duff  
WA7BFN





# Status of Amateur Radio Satellites by Scott, KA7FVV

## FM Satellites

With the demise of AO-51 last winter the only two active FM satellites that we have are AO-27 and SO-50. Both are in good health. AO-27 is the most used of the two since AO-50 is a little weaker and harder to hear. AO-27 was launched in September of 1993 and SO-50, December of 2002.

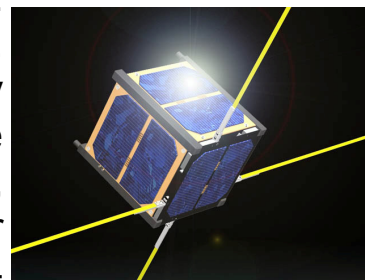


## Linear (SSB) Satellites

If you have the SSB radios to work these satellites there is VO-52 and FO-29. Both these satellites are in opposite modes. VO-52 is U/v mode or vhf uplink/uhf downlink and FO-29 is V/u or uhf uplink/vhf downlink. These used to be called mode B and J. AO-7 is a 38 year old satellite that has recently come back to life and is active in daylight passes.

## New Satellites and Launches

There are several satellites in production currently. Probably the first to be launched will be FunCube. Funding for this satellite was obtained primarily by selling the FunCube Dongles. A small USB software defined receiver about the size of a USB thumb drive, \$196 shipped to us in the US. This will be a linear (SSB) satellite and will be launched later in 2012. Am-sats project is called Fox. This has split off into two different satellites. The first Fox-1 will be a FM sat to replace AO-51 with similar performance and will be able to continue operating after the batteries fail. Slated to be launched sometime in the second half of 2013. Fox-2 will be a linear satellite and launch slated for 2015.



New simple satellite tracking program. A very slick program. Moving map of where the satellite is passing over if there is a internet connection.

<http://www.tomdoyle.org/simplesatlookdown/SimpleSatLookDown.html>



Satellite information in this article and additional info on satellites can be obtained from <http://www.amsat.org> and <http://www.uk.amsat.org>



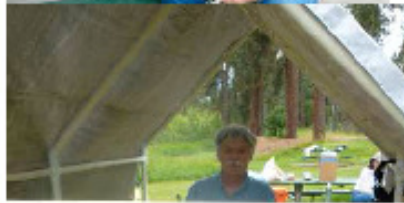
# KBARA Field Day Events



[www.arrl.org](http://www.arrl.org)



**CQ Field Day CQ Field Day  
de N7LC 3A EWA**  
Once again, the ARRL Field Day, held June 22-June 24, 2012 at Valleyford, WA, was a complete success. As always, thanks go to Bob, AC7GP, and the Lilac City ARC for hosting this multi-club event which had non-stop transmitting, socializing, eating. And, as per usual, the weekend was not without antenna & equipment dilemmas & an electrical storm. Fun was had by all !







# 36<sup>th</sup> Annual SPOKANE HAMFEST

and

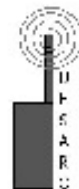
## American Radio Relay League Washington State Convention

September 22<sup>th</sup>, 2012

University High School

12420 E 32nd Ave, Spokane Valley WA 99216

Hosted by 8 Amateur Radio Clubs:



**Raffle prizes:** 1<sup>st</sup> Prize: Yaesu FT-897D HF/6m/2m/430 Transceiver; 2<sup>nd</sup> Prize: Yaesu FTM-350AR 50 w 2m/440/1w 220 FM Transceiver; 3<sup>rd</sup> Prize: Kenwood TH-D72A 5 w 2m/440 FM HT w/GPS/TNC Transceiver ~ Raffle tickets available now from Hamfest Committee members

**Door prizes, seminars, demos & displays:** "NVIS (Near Vertical Incidence Skywave) Antennas" by Bill, KL7BB & Daniel, KL7WM (antenna given away as class attendance door prize) ~ "1000' Beverage Antenna Construction" by Wilse, WX7P ~ "D-STAR Voice & DRATS Data System & Operation" by Bill, KL7BB & Daniel, KL7WM ~ARRL HQ guest Debra Johnson, K1DMJ, Education Services Manager ~ "How to Beat the Morse Code (CW)" by Bill, KL7BB ~ "Junque" Auction by Wilse & Gimmie, WX7P & AL7LB ~ "Roving Helmet-Cam Reporter" with John, KD7AAT ~ Fox Hunt Demo ~ "Radio Test Gear" table with Jack, AD7FO ~ ARRL QSL & WAS Card Checking by Wilse, WX7P ~ License Exam Hamfest Photographer Jim, K7HU ~ Commercial & non-commercial vendors ~ Non-stop coffee, sodas, food ~ And much, much more

**Admission \$5**

Age 18 and under FREE

**Commercial tables \$15**

\$12 if paid before September 1<sup>st</sup>

**Swap tables \$7.50**

\$5.00 if paid before September 1<sup>st</sup>

Admission not included in the price of table space

**Friday, September 21st**

Vendor Setup: 7PM-9PM

**Saturday, September 22<sup>nd</sup>**

Vendor Setup: 8 AM

Open to Public: 9AM - 5PM

"Junque" Auction: 3:00PM

Raffle: 4:00PM

No-host Post Hamfest Dinner: 5:30PM

Timber Creek Grill Buffet

9211 E Montgomery Dr.

Spokane Valley

**Program advertising available:** ¼ page for \$40 to full page ad for \$120

**Free off-street parking for cars & RV's**

# SPOKANE HAMFEST 2012 REGISTRATION

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Address \_\_\_\_\_

Phone number/E-mail address \_\_\_\_\_

**Please make checks payable to & mail to: Spokane Hamfest  
PO Box 2552  
Spokane WA 99220-2552**

_____	<b>Registrations @ \$5 each</b>	\$ _____
	Age 18 & under free	
_____	<b>Commercial tables @ \$15.00 each</b>	\$ _____
	\$12 before 9/01/12	
_____	<b>Swap tables @ \$7.50 each</b>	\$ _____
	\$5.00 before 9/01/12	
	<b>Tables available while they last</b>	
	<b>Total</b>	<b>\$ _____</b>

**Vendors may have only one helper; helpers must be pre-registered; no helper tickets sold at door; helpers are required to leave until doors are opened for the general public once vendor set up is complete.**

Prepaid registrations will not be mailed, but will be held at the ticket table & available for pickup starting Friday, 9/21, 2012, 7 PM – 9PM

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The SPOKANE HAMFEST is an annual event hosted by eight Amateur Radio clubs: The Inland Empire VHF Radio Amateurs, Kamiak Butte Amateur Repeater Association, Northwest Tri-State ARO, Spokane DX Association, Palouse Hills ARC, University High School ARC, Lilac City ARC, and Panoramaland ARC.

**For additional information contact: Bob Meenach, AC7GP, 509-327-3188  
E-mail: [spokanehamfest@comcast.net](mailto:spokanehamfest@comcast.net)  
<http://spokanehamfest.com>**

**Talk-in frequency:**  
147.24 MHz (1 offset)

**Spokane Hamfest**  
University High School  
12420 E. 32nd Avenue  
Spokane, WA 99206

Take Pines exit from I 90 (exit 289)  
and head south on Pines. Continue in a  
straight line all the way to 32nd Ave.  
The school is on the corner of Pines and 32nd

# Amateur Radio License Testing Sessions

## Chewelah, WA, ARRL VEC

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



## Coeur d'Alene, ID, ARRL VEC

July 9, 2012; August 13, 2012; September 10, 2012; October 8, 2012; November 12, 2012; December 10, 2012; 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

July 19, 2012, 7PM; Walla Walla University, 100 SW 4<sup>th</sup> 1<sup>st</sup> 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

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

## Kennewick, WA, ARRL VEC

July 15, 2012; September 16, 2012; November 18, 2012; 2:00 PM (Walk-ins allowed); Boy Scout Office, 8478 W Gage Blvd, Kennewick WA 99336-1075; contact: Michael Tesky, KC7CCK (509)783-6236; email: kc7cck@frontier.com

## Lewiston, ID, ARRL VEC

Contact: Emmett McCormick, NA7EM, (208)798-3279, email: na7em@arrl.net

## Pullman/Moscow, WA, ARRL VEC

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

## Republic, WA, ARRL VEC

Contact: Sam Jenkins (509)775-2923; email: samhbi@aol.com

## Spokane, WA, ARRL VEC

July 21, 2012; August 18, 2012; September 15, 2012; October 20, 2012; November 17, 2012; December 15, 2012; all at 12 PM; Outpost (behind Conley's Restaurant), 12624 E Sprague Ave, Spokane Valley WA 99216; contact: Mary Qualtieri, AA7RT, (509) 991-2192; email: aa7rt@me.com



## Summer Hamfests

Information obtained from <http://www.n7cfo.com/amradio/hf/hf.htm>

**July 13-16, 2012. SalmonCon. Pacific Northwest QRP Group annual weekend outing.** Valley Camp, North Bend, WA. [Flyer in PDF](#). (95K) Contact Wayne [NB6M@Comcast.net](mailto:NB6M@Comcast.net) .

**July 20-22, 2012. Glacier Waterton International Peace Park Hamfest.** Glacier Meadows Campground, 13 miles west of East Glacier on MT Hwy 2. [www.qwhamfest.org](http://www.qwhamfest.org) .

**July 20-22, 2012. 3rd Annual 2012 KUH Pig Roast & Campout. Springdale, WA.** Contact Ray, (509)258-7078 [cdknray@wildblue.net](mailto:cdknray@wildblue.net)  
[Flyer in PDF](#). (781K)

**July 21, 2012. Coos County Radio Club Hamfest and Swapmeet.** North Bend, Oregon. *This is an ARRL sanctioned event.* [zane.albertson@gmail.com](mailto:zane.albertson@gmail.com)

**July 27-29, 2012. KBARA CampOut/Annual Meeting, Boyer Park & Marina, Colfax WA .**  
<http://www.kbara.org/> [Flyer in PDF](#) (514K) Contact [n7wrq@aol.com](mailto:n7wrq@aol.com) .

**July 28, 2012. Chehalis Valley ARS 13th Annual Swap.** Lewis County Fairgrounds. *This is an ARRL sanctioned event.* Contact John Ellingson, K7OSK. [k7osk@boatanchor.com](mailto:k7osk@boatanchor.com) . <http://www.cvars.org/>

**August 3-5, 2012. 57th Annual Pacific Northwest DX Convention. Monarch hotel in Clackamas, OR. This is an ARRL sanctioned event.** Hosted by the Willamette Valley DX Club. <http://wvdx.org/dotnetnuke/>

**August 11, 2012. Radio Club of Tacoma Hamfair. Graham, WA. This is an ARRL sanctioned event.**  
<http://www.w7dk.org/>

**August 10-12, 2012. Radio Amateurs of Canada Convention. Edmonton, Alberta.**  
<http://convention2012.rac.ca> . [convention2012@rac.ca](mailto:convention2012@rac.ca)

**August 19, 2012. Antique Radio Swap Meet.** Puget Sound Antique Radio Association. 9 AM to 1 PM. Shoreline Senior Activity Center, 18560 1st Northeast, Shoreline, WA 98155. Free admission. <http://www.eskimo.com/~hhagen/psara/swap.html> (Always the 3rd Sunday in August)

**August 25, 2012, Annual Clark County Amateur Radio Club (CCARC) Ham Fair, Vancouver, WA. This is an ARRL sanctioned event.** Held at the Clark County Square Dance Center, 10713 NE 117th Ave, Vancouver, WA. For more info: [clarkcountyhamfair@w7aia.org](mailto:clarkcountyhamfair@w7aia.org) or [www.w7aia.org](http://www.w7aia.org) .

**August 25, 2012. Highline ARC Hamfest. Des Moines, WA. This is an ARRL sanctioned event.**  
<http://www.highlinearc.org/swapfest.html>

**August 25, 2012. Bozeman Hamfest. Bozeman, MT. This is an ARRL sanctioned event.** <http://www.w7ed.com/>

**September 7-9, 2012. Northwest Automatic Position Reporting System (NWAPRS) Summer Gathering.** Always the first weekend after Labor Day. Valley camp, North Bend, WA. Contact Thom [k7fzo@arrl.net](mailto:k7fzo@arrl.net) <http://nwaprs.info/sg.htm>

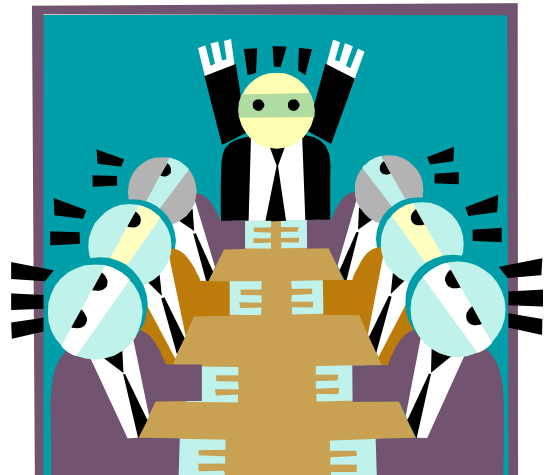
**September 22, 2012. Spokane Hamfest/ARRL Washington State convention.** University High School, 12420 E 32nd Ave, Spokane Valley WA 99216. *This is an ARRL sanctioned event.* For information contact Bob, AC7GP [ac7gp@hotmail.com](mailto:ac7gp@hotmail.com) . [Flyer in PDF](#). (104K)

**September 29 & 30, 2012. Gallatin County Hamfest. Bozeman, Montana.** Info, [mail@gallatinhamradio.com](mailto:mail@gallatinhamradio.com) .  
<http://www.gallatinhamradio.com/>

**September 30, 2012. COMFEST.** Delta Amateur Radio Society, Delta, BC.  
[http://rac.eton.ca/events/detail.php?event\\_ID=1514](http://rac.eton.ca/events/detail.php?event_ID=1514)

## KBARA Members for 2012

<i>Call</i>	<i>Name</i>	<i>Call</i>	<i>Name</i>	<i>Call</i>	<i>Name</i>
	Juanita M. Johnson	VE7KLI	Dona Mottishaw	KF7SKO	Robert Wilson
	Edward C. Johnson	W7KLL	Kenneth L. Lindahl	KF7SLW	Andrea Nierstheimer
	Sarah Sirott	KC7LBY	Daniel G. Penny	KF7SLX	Geoff L. Webb
	Flathead Valley Repeater	AD7LJ	Robert M. Purdom	KA7SUZ	JoAnn Gemmrig
NB1A	Kevin B. Albaugh	N7LKG	Bill Korfhage	KF7THD	Dan Croskrey
KD7AAT	John P. Myers Jr.	N7LVO	Nell P. Gallup	KB7TYR	Kerry Griffith
KE7ADN	Gabbee (Gall) Perry	KF7LXH	Chris Causey	KB7UIR	Richard L. King
KE7ADT	Robert Bearpaw Galindo	K7MAT	Kendall (Todd) Wagner	KF7VH	Patrick Brandt
W6AEA	George H. Tuncil	KF7MCC	Brad Highley	WB7VKX	Larry L. Sayrs
W7ALT	Walter A. Davis	WA7MJB	Michael J. Brewer	KK7VO	Elizabeth Simon
KG5AO	Steve Krause	K7MM	Dan Ransom	KD7VRK	Sherman Carston
WB7AUJ	Art Gemmrig	K2MMH	Mary M. Hartman	W7VWV	Dean Simmons
KF7AZP	John D. Kimball	KE7MPM	craig A. Davis	VE7WC	Al Nelson
WX7B	Christopher J. Pritchard	KE7MPN	Ellen Le Vita	N7WRQ	Elizabeth Ashleman
WA7BAA	Donald J. Vogel	KF7NFD	Jonathan Rumsey	N7WRR	James Ashleman
WA7BEV	Bev Starbuck	N1NG	Michael Maxson	KB7WTO	Royal Moore
WA7BFN	Rollin A. Johnson	AD7NH	Larry L. Stevens	K0WZA	Donald J. LaFavor
W7BRT	Mark R. Bamford	N7NJH	Nancy Hall	AD7XH	Richard L. Schultz
WA7CBX	Bernie Frazier	KF7NLD	Vigil Vigil	N7XKC	Richard L. Wurdack
K2CLH	Christopher L. Hartman	KE7NUB	Duane Stalter	KE7YHK	Christina Burris
W7CQW	C. Q. (Quint) Webb	WB7NUE	Gerald Harnois	KB7YLO	Alma J. Vogt
KD7DDQ	Ken Crosswhite	AK2O	Karl Shoemaker	KC4YTZ	Richard Fleetwood
K6DER	Thomas J. Storer	W7OE	John P. Dempster	N7ZJF	Jay F. Lopes
K7EFX	John Brackemyre	KF7OFA	Mary C. Drennan	W7ZVD	George C. Copeland
KF7EHT	Michael J. Sirott	KD7OJ	Robert (Skip) Bacon, Jr.		
WE7EM	Ed Martin	VE7OLV	Oliver Amateur Radio Club		
WJ7F	Bob Rymo	KC7OQR	Cathie Hebel		
N0FED	Loyd L. Drennan	KC7OQS	George Hebel		
AD7FO	Jack Tiley	KC7ORO	Denise Hebel		
N9FOX	Barbara J. Moore	AA7P	Richard J. Hebel		
KA7FVV	Scott P. Harvey	W7POV	Michael R. Cramer		
KB7GJY	Allen Gemmrig	KF7QGL	Sam Lassiter		
KC7GKY	Joseph P. French	KF7QGM	Brian Stevens		
AC7GP	Bob Meenach	KC7QHE	James L. Willard		
W7GSV	Robert M. Rosie	K7QHZ	Leighton K. Pittmann		
VA7GV	Guy Venne	W7QHZ	Martin Pittmann		
W7HFI	Robert Lemon	KF7QIP	Dave Hall		
W7HNH	John L. Williams	KF7QLH	Glen Ahlborn		
K7HPT	Mark Van Winkle	KD7QLT	Wilber H. Earl		
K7HRT	Patrick P. O'Dea	W0QPO	Daniel G. Cummings		
KE7IAT	Gary Roth	WB7RED	M.D. "Red" Nierstheimer		
K6II	John David Wittenbecher	N7RHX	Jim Lawrence		
W9IIT	Arthur R. Vogt	K2RLH	Richard L. Hartman		
KF7JJC	Roger Krug	KC7RQF	Charlene E. Davis		
W7JUL	John J. Lally	KE7RSD	Robert A. Pellich		
KC7JLU	Brad Forker	KF7RTC	Paul Stone		
N6JUQ	Bruce Burris	KF7RVY	Randall Wilkinson		
N7KGA	Ralph Javins	KG7SD	Richard Thorton		
KE7KHV	Jeanetta R. Taylor	K3SHD	C. Victor Bak		







## Please remember to renew your membership for 2012

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>

### KBARA REPEATER FUND MEMBERS 2011-2012

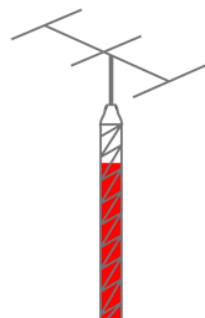
We wish to thank the following contributors for their very generous donations to our Repeater Fund.

#### Bronze Membership \$1-\$20

Chrisopher, WX7B  
Mark, W7BRT  
Doug, KE7CMF  
Christopher, K2CLH  
Scott, KA7FVV  
Gary, KE7IAT  
John, K6II  
Art, W9IIT  
Chris, KF7LXH  
Brad, KF7MCC

Michael, WA7MJB  
Mary, K2MMH  
Nancy, N7NJH  
Virgil, KF7NLD  
Duane, KE7NUB  
Brian, KF7QGM  
Leighton, K7QHZ  
Dave, KF7QIP  
Daniel, WOQPO  
Jim, N7RHX

Richard, K2RLH  
Robert, KE7RSD  
Randall, KF7RVY  
Robert, KF7SKO  
Geoff, KF7SLX  
Dick, N7XKC  
Alma, KB7YLO  
Richard, KC4YTZ



Repeater Fund

#### Silver Membership \$21-\$49

John, KF7AZP  
Bev, WA7BEV

Joseph, KC7GKY

Robert, W7GSV

#### Gold Membership \$50-\$100

Kevin, NB1A  
Art, WB7AUK

JoAnn KA7SUZ  
Roger, KF7JJC

Martin, W7QHZ  
Wilber, KD7QLT

**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:

## **KB7ARA REPEATERS and IRLP Nodes**

- 146.74 W7HFI** Kamiak Butte, near Pullman, WA, owned by Bob, W7HFI, John, W7OE, & Mark, K7HPT
- 147.02 K7HPT** Lookout Pass on I-90 on the Idaho-Montana border, owned by Mark, K7HPT, & John, W7OE
- 147.28 KD7DDQ** Pikes Peak in the Blue Mountains, SE of Walla Walla, WA, owned by Ken, KD7DDQ & Mark K7HTP
- 147.36 KF7QLH** Stensgar (Stranger) Mountain, near Chewelah, WA, owned by Glen, KF7QLH, & John, W7OE
- 147.38 W7OE** Mica Peak, east of Spokane, WA, owned by John, W7OE
- 223.90 AK2O** Stensgar (Stranger) Mountain, near Chewelah, WA, owned by Karl, AK2O
- 444.35 N1NG** Mica Peak, east of Spokane, WA, with a 192.8 Hz tone, owned by Mike, N1NG
- 53.750 N7ZUF** Kamiak Butte, near Pullman, WA, owned by Jay, N7ZUF

**IRLP Node #7141 KF7QLH** South Hill of Spokane, WA, owned by Glen, KF7QLH

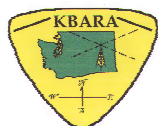
**Echolink** courtesy of Randy, KF7RVY. Look for KF7RVY-R.

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>



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