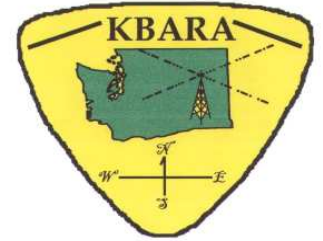




KBARA GAZETTE



Spring 2008 The Quarterly Journal of the Kamiak Butte Amateur Repeater Association
KBARA, PO Box 30801, Spokane WA 99223-3013

From the Editor: Wes, KD7HGG

Spring is the time for Growth!!



Help us GROWWW our
KBARA organization!

According to the web site from the University of Arkansas at Little Rock Amateur Radio Club, for Spokane, there are a total of **1078 actively licensed** Ham Radio enthusiasts. (For a list, by city, go to their web site at: <http://callsign.ualr.edu/index.html>. Look through the list and encourage one or more persons to join the KBARA club.

We currently have 104 individual members and several other Ham clubs who are members. This is less than 10 percent of the actively licensed Hams in Spokane alone. There is a lot of opportunity for growth and increased membership!

Membership dues in KBARA costs only \$15.00 per year for individuals and \$20.00 for a family. Becoming a member helps us keep the repeaters in top running shape, gives you connections to other like minded Ham operators, and helps you to make

new friends! There are annual activities that you can participate in that not only build your skills, but they also build community relationships. This year some of our activities include: Field Day in late June, our annual campout, along with various dinner and breakfast get-togethers, as well as the many nets. Based on the web site at University of Arkansas at Little Rock Amateur Radio Club, here's an example of other Hams in the Spokane zip code areas.

How many Hams are in **your** zip code?

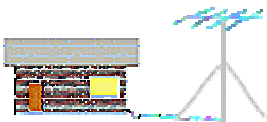
98204	1	99209	3	99223	94
99023	1	99210	9	99224	56
99037	1	99211	4	99225	1
99201	18	99212	55	99228	4
99202	30	99213	2	99920	1
99203	67	99214	4	92916	1
99204	19	99216	69	99016	12
99205	121	99217	36	99027	3
99206	135	99218	28	99037	23
99207	80	99219	6	99206	29
99208	132	99220	2	99212	9
				99216	21

Encourage your friends or neighbors to join KBARA today! Help make the Kamiak Butte Amateur Repeater Association the best it can be!

Kamiak Butte Amateur Repeater Association



Don't forget to plan ahead for the **Field Day & Annual Meeting and Camp Out**. This is usually in **late June**



Hamfest Corner

Hello All,

For all those that didn't make it to the meeting this past Saturday (3/1/08), here is what we discussed:

The Spokane Hamfest 2008 is scheduled to be on Saturday, September 27th. University High School has already been reserved.

Raffle Prizes will be:

- Yaesu FT-950
- Icom IC-718
- Icom IC-2200H

Raffle tickets are being printed now and will be available at the Puyallup Hamfest this weekend. Flyers are being designed and will be available as well.

It was decided that the Lilac City ARC will be invited to join us as well. I have already sent a formal invitation to them via e-mail.

Admission and swap table pricing will remain the same this year.

Hamfest hours will remain the same this year. Another meeting will be planned very soon (but with much more advance notice).

Thanks all for coming!

73,

Bryan, K7WXO

Chairman, Spokane Hamfest 2008

k7wxo@gktech.net



Attention Hams

Amateur radio operator (HAM)



→ [Apply for amateur radio operator plates](#)

New: \$5 plus standard licensing fees

Renewal: No special plate fee

You can get Amateur radio operator (HAM) specialized Washington state license plates. Anyone with a license issued by the Federal Communications Commission (FCC) may get one set of amateur radio operator (HAM) plates for one vehicle registered in their name. The license plates show the call letters assigned by the FCC.

How to apply

1. Provide a copy of your valid FCC license and the registration of the vehicle your HAM plates are being issued to.

2. Complete a Special License Plate Application.

3. Contact your local vehicle licensing office to determine the exact cost of your license plates, including all licensing fees.

4. Mail the completed application, a copy of your FCC license, a copy of your vehicle registration, and all appropriate fees to:

Vehicle Licensing

Department of Licensing

PO Box 9909

Olympia, WA 98507-8500

How to renew

To renew, pay all licensing fees and:

•Renew online.

•Renew in person at a vehicle licensing office.

•Renew through the mail by following the instructions on your vehicle renewal notice.

<http://www.dol.wa.gov/vehicleregistration/spham.html>

New: \$5 plus standard licensing fees

Renewal:

No special plate fee

<http://www.dol.wa.gov/vehicleregistration/spham.html>

For fun, here are a few of Washington license plates with "Ham" in them, according to

<http://wwwb.thenewstribune.com/databases/>

AHAMMER

BADHAM

HAM

HAMBONE

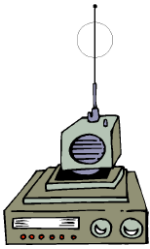
HAMMER

Bluetooth Audio and Amateur Radio

By Mike, N1NG

(in response to the many questions I have received lately)

Bluetooth headsets are very common with cell phone users. As such, many amateurs may already own a Bluetooth (BT) headset. So why not use it with amateur radio? To do so requires very little effort, and can be quite rewarding. I



recently monitored my HF radio and had free run of the area around my station. That included a break in front of TV, a visit to the refrigerator, and a visit to the restroom. All the while, I was able to monitor, hands free using the

same BT headset I use with my cell phone. Of course results will vary depending on your own environment. It doesn't stop with just monitoring. You can use the two-way capability of your BT headset as well. The only catch is you still need a manual PTT switch. This works just fine in a number of circumstances.

Suppose you are skiing with your handheld. You can monitor things just fine with your BT headset, then when it comes time to transmit, just press the PTT on your handheld. This also works well with mobiles. The adaptor..... has a built in PTT, so again, when it comes time to transmit, I just reach down and hit the switch. The switch can be whatever suits your needs.

So far, as long as the environment is somewhat quiet, VOX has worked pretty good. Not great, just pretty good. Driving in a car with the fan on even works fine, but when a bump in the road is hit, or you need to clear your throat, you guessed it. I do find myself operating more and more in VOX mode, especially as I refine the settings. I also find myself talking without too many gaps. The reward? The reward is hands free operation! Here are a couple of BT options depending on what your needs are.

For many applications, you will want to use BT for both transmitting and receiving. For this, I have been using a Jabra A-210. It has a built-in rechargeable battery, so it is well suited for

handheld and mobile operation. These devices are very difficult to find in local stores, so you will probably end up having to order them over the Internet. They were originally designed for converting a non-BT cell phone into a BT cell phone. It uses standard 2.5 mm, so you will want to wire up assorted adapters to suit your needs.(please see my www.kbara.org for pictures)....

The only thing you really need to know is that the plug coming from the Jabra A-210 has a ground contact, then a speaker contact, then a mic contact at the tip. BEWARE!

Unfortunately, there are some less than honest businesses on the Internet, and be sure that you order a new, fully functional device. I received three bad ones before I had one that actually powered up. Don't be bashful about returning stuff if it doesn't work or is in poor condition. For stations at home where you want to just monitor your radio, there are many options out there. For this, I have been using a Sony HWS-BTA2W. It plugs into the wall, so it is well suited for station use. It has more features than you may want, so you might opt for a less expensive device. What I liked about this one is it allows you to manually switch between transmit mode and receive mode. Transmit mode



is where it functions as a BT transmitter to allow you to monitor your radio with a BT

headset. Also, there are times when I want to play music or other audio from my new BT cell phone into a stereo. For that, I switch it to receive mode, and it receives my cell phone music or audio and plays it on my stereo. These devices are available at places like Best Buy and Radio Shack. Once everything is built, follow the manufacturer's instructions on handshaking between your earpiece and the device, then enjoy. WARNING! Any modifications made to your equipment are performed at your own risk. Be aware that modifications will probably void your warranty.

The author assumes no responsibility whatsoever from the use or misuse of this information.

About My IRLP Node from Ken, W7KLL
 W7KLL IRLP node #3282 is on a frequency of 145.610 MHz with a 100 HZ tone. The antenna is at 15 ft. on my garage and covers most of Spokane. The best way for someone to start using IRLP is to "Google" IRLP and find out about bringing up the node, and connecting to other nodes and reflectors. Also, there are lists for all the reflectors and nodes around the world. (don't try to download the node list, there are 2721 nodes around the world, which would make a book.); the reflectors list contains 42

reflectors, and is only one page. A lot of the nodes are part of a repeater system. So when you bring up a node or a reflector, listen and make sure it is not in use. A quick start: Key your mic, ID your station and key in the code of the node or reflector you wish to talk to (eg. code 3333 is the Whidbey Island, WA repeater on 146.860). To DROP the node or reflector, key in 73 (Good-by in Ham). Listen to the node or reflector sign off, then ID your station clear.
 Thank you,
 Ken, W7KLL

KBARA Membership 2008

Flathead	Valley Repeater	N7JU	John S. Holler Jr.	W7RMW	Richard M. Wilde
KE7ADL	Russel St. Germain	N7KAM	Troy R. Lousen	KC7RQF	Charlene E. Davis
W6AEA	George H. Tuncil	W7KLL	Kenneth L. Lindahl	W7SBK	Steven B. Kennelly
W7ALT	Walter A. Davis	KD7KQV	Frank A. Perry	KG7SD	Richard Thorton
WB7AUK	Art Gemmrig	AD7KV	Scott B. Grimmatt	K3SHD	C. Victor Bak
KE7AWZ	Kenneth P. Anderson	KE7LAQ	David Lynch	KA7SUZ	JoAnn Gemmrig
WA7BAA	Donald J. Vogel	AD7LJ	Robert M. Purdom	N7TCN	Stanley R. Johnson Sr.
WA7BFN	Rollin A. Johnson	N7LKG	Bill Korfhage	KE6TIS	Peggy J. Gentle
N7BFS	Douglas F. Cole	N7LVO	Neil P. Gallup	WA7TMB	Thomas M. Brewer
KE7BWI	Cecil L. March	WA7MJB	Michael J. Brewer	KB7TYR	Kerry Griffith
WA7CBX	Bernie Frazier	K7MM	Dan Ransom	AB7UX	Charles R. Slocum
WN7CSI	Kenneth Karki	KE7MMB	S. Lee Odegard	KB7VCA	Betsy Grimmatt
W7DAL	Dallas Lund	W7NBR	Spokane Radio Amateurs	KF7VH	Patrick Brandt
N7DAS	James M. Morse	N1NG	Michael Maxson	W7VVW	Dean Simmons
KD7DDQ	Ken Crosswhite	AD7NH	Larry L. Stevens	N7WEB	Warren P. Weber
KI6DER	Thomas J. Storer	WB7NUE	Gerald Harnois	KC5WFH	William D. Collier
KD7DMP	Jeremiah P. Puhek	KE7NWL	Chris Grimmatt	N7WRQ	Elizabeth Ashleman
KE7DOQ	Carl M. McDonald	AK2O	Karl Shoemaker	N7WRR	James Ashleman
K7EFX	John Brackemyre	WQ7O	Dennis Todaro	KB7WTN	Barbara J. Moore
KE7EMH	Andrew Todaro	VE7ODI	Walter D. Charles	KB7WTO	Royal Moore
KE7EZK	Linda L. Anderson	W7OE	John P. Dempster	K0WZA	Donald J. LaFavor
WJ7F	Bob Ryno	KC7OQR	Cathie Hebel	N7XKC	Richard L. Wurdack
KD7FYE	Kenneth L. Lindahl Jr.	KC7OQS	George Hebel	KB7YLO	Alma J. Vogt
KB7GJY	Allen Gemmrig	KC7ORO	Denise Hebel	N7YRN	Warren H. Westerman
KC7GKY	Joseph P. French	N7OUC	Thomas A. Pope	KC4YTZ	Richard Fleetwood
W7GSV	Robert M. Rosie	KE7OVD	James F. Goodrich	N7ZJN	Paul Rush
KC7GZL	Calvin C. Doss	AA7P	Richard J. Hebel	K7ZOX	Wayne Nowacki
W7HFI	Robert Lemon	KE7PSY	David Lish	KN6ZU	Cory W. Allen
KD7HGG	Wes Taylor	KE7PSZ	Michael A. Lish	W7ZVD	George C. Copeland
KE7HHL	Gene E. Mertz	KE7PTB	Erin L. Miller	KC7ZZR	Mary Barber
KB7HJM	Roy E. Ferrell	KC7QCS	Geoffrey G. Billin	<div style="border: 1px solid black; padding: 5px;"> <p>There are many Hams that could take advantage of our KBARA club and newsletter. Please remember to talk to at least one Ham friend, or new Ham to ask him to invest \$15 per year to keep KBARA Ham radio alive and well in Eastern Washington!"</p> </div>	
KE7HPT	Mark Van Winkle	KE7QDN	Linda P. Weber		
K7HRT	Patrick P. O'Dea	VE7QE	Janice F. McNeil		
KE7IAT	Gary Roth	KD7QLT	Wilber H. Earl		
W9IIT	Arthur R. Vogt	KE7QMS	Patrick Burch		
VE7IS	Roy McNeil	KE7QXZ	Tracy G. Clark		
KE7JAL	Sally Sullivan	KD7QZS	Cathie D. Kuh		
W7JLL	John J. Lally	KD7QZT	Raymond Kuh Jr.		

KBARA REPEATER FUND MEMBERS 2007-2008

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

Bronze Membership \$1-\$20

Ken, KE7AWZ
Dallas, W7DAL
Linda, KE7EZK
Calvin, KC7GZL
Art, W9IIT
Sally, KE7JAL

Ken, W7KLL
David, KE7LAQ
Mike, WA7MJB
Larry, AD7NH
Geoff, KC7QCS
Linda, KE7QDN

Stan, N7TCN
Tom, WA7TMB
Warren, N7WEB
Alma, KB7YLO

Silver Membership \$21-\$50

Bob, W7GSV
Mark, KE7HPT

Roy, VE7IS
Jan, VE7QE

Wilber, KD7QLT
Dick, N7XKC

Timely Tidbits from Moe Checkin

Thanks to Ken, W7KLL, our trusty call sign trustee, the vanity club call sign, KB7ARA, is good for another 10 years (I should live so long). Thanks, Ken for doing that, and for footing the bill. The Sunday Roadrunner Net will run from 7AM-8AM, rather than from 7:30AM-8:30AM...no more sleeping in! And for **tremendous** information on the area's Hamfests, please visit Lynn, N7CFO's "Pacific Northwest Hamfairs & Events" web site at <http://www.n7cfo.com/amradio/hf/hf.htm>

KBARA OFFICERS

President: Bob Lemon, W7HFI, phone: 509-397-4167, e-mail: lemon@colfax.com

Vice President: Ken Crosswhite, KD7DDQ, phone: 509-927-9865

Secretary: Betsy Ashleman, N7WRQ, phone: 509-448-5821, e-mail: n7wrq@aol.com

Treasurer: Neil Gallup, N7LVO, phone: 509-927-3966

Please remember to renew your KBARA membership for 2008

Name _____

Call Sign _____

Address _____

City/State _____ Zip _____

Telephone _____ Amount Paid _____

E-Mail _____ ARRL Member? _____

Would you rather receive the KBARA newsletter by e-mail as a PDF file rather than by the postal service?

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), 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. And any additional amount will be gratefully accepted to the Repeater Fund. 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 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

146.74 W7HFI	Kamiak Butte, near Pullman, WA, owned by Bob, W7HFI, & John, W7OE
147.02 N7LVO	Lookout Pass on I-90 on the Idaho-Montana border, owned by Neil, N7LVO & John, W7OE
147.28 KD7DDQ	Pikes Peak in the Blue Mountains, southeast of Walla Walla, WA, owned by Ken, KD7DDQ
147.36 N1NG	Stensgar (Stranger) Mountain, near Chewelah, WA, owned by Mike, N1NG, & 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	South Hill of Spokane, WA, with a 192.8 Hz tone, owned by Mike, N1NG
IRLP Node #3957 N1NG	South Hill of Spokane, WA, owned by Mike, N1NG
EchoLink Node #247640 N1NG	South Hill of Spokane, WA, owned by Mike, N1NG

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

KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION

PO Box 30801

Spokane WA 99223-3013