



# KBARA GAZETTE



Fall, 2008

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

From the editor, Wes, KD7HGG  
The fall Spokane Hamfest is almost upon us!  
Please join the local Ham clubs and come enjoy food,  
fun and a good time meeting and talking with other  
Hams.



Kamiak Butte Amateur Repeater Association  
Annual Meeting Minutes  
July 12, 2008, 6:17PM  
Boyer Park & Marina, Colfax, WA

The meeting, presided by Bob Lemon, W7HFI,  
President, began with an introduction of all those in  
attendance, followed by a moment of silence for  
recent silent keys. Under old business, a review of the



repeater system  
was given by

Technical  
Director, John  
Dempster,  
W7OE.

Various  
repeater repairs  
were planned  
for all the  
repeater sites  
this summer; a  
link antenna for  
Mica was  
donated by Art  
Gemrig,  
WB7AUK, with

an antenna ice cover made & contributed by Ken  
Crosswhite, KD7DDQ; three Motorola Mitreks were  
donated by Mike Durkin, KC7NOA; Royal Moore,  
KB7WTO, offered to convert the Mitreks for repeater  
use. It was approved that \$50 should be given to  
Ken, KD7DDQ, as partial reimbursement for the  
antenna ice cover, and that John, W7OE, should be  
reimbursed for Mitrek crystals ordered, and also for  
postage. The minutes of the June 23, 2007 annual  
meeting were read by Betsy Ashleman, N7WRQ,  
Secretary, and approved. The Treasurer's report was

given by  
Betsy,  
N7WRQ:  
income was  
meeting the  
normal club  
expenses,  
with \$1,923  
in the bank.  
It was  
suggested



that \$100 be given to Betsy, N7WRQ, and \$400 to  
John, W7OE, as reimbursement for expenses, but  
was declined by both. A lease between Mike  
Maxson, N1NG, & the FAA was secured for his  
Mica Peak site, with no site rental fees.

Under new business, the "Moe Checkin's"  
Net Controller Award was made to Duff Johnson,  
WA7BFN. Net controls were needed for the  
Wednesday evening net, with Charles Greeson,  
KG8ZK, and Wes Taylor, KD7HGG, volunteering.  
To include the Seattle BEARS repeater in the  
Wednesday evening net, their approval would be  
needed. Too, it was thought that the 8PM Evergreen  
Intertie Information Net would be starting again.  
Bob, W7HFI, thanked all those who had helped with  
the KBARA repeater system and club this last year.  
For next year's ARRL Field Day, it as approved that  
KBARA would again join Lilac City ARC, Inland  
Empire Radio  
Amateurs &  
Spokane  
ARES/RACES at  
Valleyford Park,  
WA. Spokane  
Hamfest seed  
money of \$400 was  
approved, and \$200  
was approved for  
donation to the  
Evergreen Intertie.

To honor Warren  
Westerman,  
N7YRN, it was



agreed to present him an appreciation award, not to exceed \$50, or to include his biography in the next newsletter. For next year's annual meeting it was suggested that a picnic be planned, rather than a weekend camp out.

The following members were nominated for office:

President	Robert Lemon, W7HFI
Vice President	Kenneth Crosswhite, KD7DDQ Roy McNeil, VE7IS
Secretary	Mark Van Winkle, KE7HPT
Treasurer	Betsy Ashleman, N7WRQ

The following members were elected:

President	Robert Lemon, W7HFI
Vice President	Roy McNeil, VE7IS
Secretary	Mark Van Winkle, KE7HPT
Treasurer	Betsy Ashleman, N7WRQ

The meeting was then adjourned.

Respectfully submitted,  
Betsy, N7WRQ  
Secretary (2007-2008)



#### Northern Rep Report

By: Jan VE7QE & Roy VE7IS  
Okanagan Falls, BC Canada

Summer is almost over and what a time we have had. We've attended several events over the summer, with one of them being the KBARA Campout and AGM. We had such a great time at Boyer Park.



We want to thank Jim & Betsy, N7WRR & N7WRQ, for helping us put together the famous "Huckleberry Pancake Breakfast" we would normally have at our Christina Lake Amateur Radio Campout. Betsy's secret pancake recipe turned out great. It was a very good substitute for Phil VE7ALV's recipe, which we normally used. The Canadian Pork Sausages were a hit as well. Sorry you missed it all Bozo!

Everyone who attended this event had a good time. It was good to meet some of the people we hear checking into the morning nets. Maybe we'll get to meet even more next year.

We want to congratulate all the newly elected officials of KBARA and of course the newest recipient of the "Moe Check-in Award", Duff WA7BFN.

We are looking forward to attending the Spokane Hamfest on September 27, 2008. We try to bring more and more Canadians down with us each year. We look forward to seeing all of you there.



Recently KBARA was contacted by Bill, N7LKG, regarding his Father's Ham equipment. Bill has donated the proceeds from the sale of this equipment to KBARA. Bob became a silent key earlier this year. Bill and his father have been long time KBARA supporters.

We will have a silent auction at the upcoming Hamfest. If you are in need of some gear, check it out.

This is a partial list of what we have:

- Icom IC-751 transceiver and SM-8 mike
- Kenwood 25AT hand held
- Kenwood TR-7850 2 meter transceiver
- Astron RS-12A power supply
- Icom IC-280 2 meter transceiver
- Alinco DJ-S17 hand held
- RS 2 meter amp
- NPC M104 power supply

Thanks Bill, and Bob, for your generosity and support!

**KBARA Income & Expenses: 7/01/2007 to 6/30/2008**

	<b>KBARA</b>	<b>KBARA</b>	<b>Total</b>	<b>Hamfest</b>	<b>Bank</b>
	<b>Checking</b>	<b>Savings</b>	<b>Funds</b>	<b>Checking</b>	<b>Total</b>
<b>Beginning Bank Balance</b>	<b>\$1,017.23</b>	<b>\$395.64</b>	<b>\$1,412.87</b>	<b>(\$46.28)</b>	<b>\$1,366.59</b>
<b>Income</b>					
Memberships/Donations	<b>\$1,647.00</b>				
Hamfest Profit	<b>\$378.32</b>				
Hamfest Seed Money	<b>\$400.00</b>				
Interest Earned	<b>\$0.00</b>	<b>\$1.46</b>			
<b>Total Income</b>	<b>\$2,425.32</b>	<b>\$1.46</b>	<b>\$2,426.78</b>	<b>\$0.00</b>	<b>\$2,426.78</b>
<b>Expenses</b>					
Lookout Pass Site Rental	<b>(\$367.68)</b>				
Pikes Peak Site Rental	<b>(\$360.00)</b>				
Stensgar Site Rentals	<b>(\$200.00)</b>				
Hamfest Seed Money	<b>(\$400.00)</b>				
Check Supplies	<b>(\$27.00)</b>				
Newsletter	<b>(\$175.16)</b>				
Flyers	<b>(\$32.68)</b>				
Postage	<b>(\$204.75)</b>				
Moe Checkin	<b>(\$37.14)</b>				
Internet Domain Name	<b>(\$36.67)</b>				
Stensgar DNR lease transfer	<b>(\$25.00)</b>				
Post Office Box	<b>(\$40.00)</b>				
Washington State Filing	<b>(\$10.00)</b>				
<b>Total Expenses</b>	<b>(\$1,916.08)</b>	<b>\$0.00</b>	<b>(\$1,916.08)</b>	<b>\$0.00</b>	<b>(\$1,916.08)</b>
Transfer	<b>(\$500.00)</b>	<b>\$500.00</b>	<b>\$0.00</b>		
<b>Hamfest Activity</b>				<b>\$46.28</b>	
<b>Cleared check of 6/26/07</b>	<b>(\$150.00)</b>				
<b>Ending Bank Balance</b>	<b>\$876.47</b>	<b>\$897.10</b>	<b>\$1,923.57</b>	<b>\$0.00</b>	<b>\$1,923.57</b>

**From the Listening Post**

This last Thursday, several folks headed up Mica Peak to install the link antenna to Look Out. The antenna, donated by Art, WB7AUK, is now complete with ice shield put together by Ken, KD7DDQ. He, along with Mike, N1NG, John, W7OE & Mark, KE7HPT, made the journey.

After a few defualties at Kamiak, the packet antenna is working fine as a temporary. It's still sounding marvelous.

And miraculously UPS found the package of Mitreks, and finally delivered them to Royal, KB7WTO, who is busily working on them as I write. Several weeks ago, round the Frankie Doodle Restaurant table, a gentlemen's agreement was struck between Neil, N7LVO, & Mark, KE7HPT. Mark is now the new co-owner of the Look Out Pass repeater, along with John, W7OE. And Neil has donated the proceeds from the sale, \$900, to KBARA. Mighty fine, mighty fine!!

Thanks very much, Neil, from all of us, and we wish Mark the best now as a KBARA owner.

And this from Dan, K7MM, on the activities at Kamiak.....unbelievable! It just can't get any better.

Thanks Dan & Jim.

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11 hours at the site today, and well worth it. Jim, KE6DWM and I did the following

- Installed the CommSpec TS-64 tone decoder on the 223-MHz link receiver
- Upgraded the S-Com S7 controller to v2.03b from v1.15
- Reprogrammed the Kamiak controller with parameters for the 146.74-MHz repeater and for the 223-MHz link
- Inserted an antenna surge arrestor on the 223-MHz feedline and grounded to the building entrance ground

The benefits of our work today are that '74 repeater users no longer hear the 223-MHz repeater tail (listening is

easier and there is less transmitter run time), the '74 repeater has separate courtesy indicators for local and link traffic, local DTMF 9\* for the time of day in Morse code, and other operational enhancements. We now have surge protection on the 223-MHz feedline. Plans include a 223-MHz circulator/isolator (contractually required by the site owner) and a new controller.

The new S-Com 7330 controller should arrive in a few weeks, so we can make further upgrades in local-area performance, including voice announcements.  
73,  
Dan at K7MM, VU3MMW

**SPOKANE HAMFEST & ARRL WASHINGTON STATE CONVENTION**  
**September 27, 2008**

Hosted by eight clubs at University High School, 12420 E 32nd Ave, Spokane Valley, WA

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**Seminars, Displays, Activities & Demos**

League guest Joel Kleinman, N1BKE, QST Managing Editor & Editorial Team Supervisor “Building a 40 Meter 4-Square Array” by Wilse, WX7P ~ “AO-51’s Last Month on Earth, & Its Launch”, by Chuck, N0ADI ~ ARRL Forum with Jim, K9JF, Northwestern Division Director “Junque” Auction by Wilse & Gimmie, WX7P & AL7LB ~ APRS demonstrations by David Dobbins, K7GPS~ Doug Zwieble, KR2Q’s “When Giants Walked the Bands” CD presentation by LaMar, WA7LT ~ “VHF & UHF Antenna Fundamentals” by Scott, AD7KV ~ “Radio Test Gear” table by Jack, AD7FO ~ ARES/RACES Forum ~ “Tales of 10 Meters” by Bear, AC7HI National Weather Service ~ WAS Card Checking by Carl, WA7CS ~ License Exam ~ Vendors: Books, Etc., Top Hat Novelties/Engraving, J & K Enterprises, Dan the L.E.D. Man ~ Non-stop food & door prizes

**Raffle & Door Prizes**

1st prize, a Yaesu all mode FT-950 HF/6 meter radio, 2nd prize an ICOM all-band IC-718 HF radio, 3rd prize an ICOM IC-2200H 65w mobile 2M radio ~ many door prizes including Alinco switching power supply & Weller Solder

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Friday, September 26th: vendor setup, 7PM-9PM

Saturday, September 27: 8AM doors open to vendors

**Saturday, September 27: 9AM - 5PM doors open to public**

Refreshments & confectionaries available; lunch by Papa John’s Pizza; license exam 11AM; post Hamfest dinner Saturday, 5:00PM at the Old Country Buffet, 12209 E Sprague Ave. (corner of Sprague & Pines), Spokane Valley

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**SPOKANE HAMFEST REGISTRATION**

Name \_\_\_\_\_  
 Call \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone number or E-mail Address \_\_\_\_\_

Please make checks payable & mail to:  
 Inland Empire Radio Amateurs  
 PO Box 2552  
 Spokane WA 99220-2552

_____ Registrations @ \$5 each	\$ _____
Age 18 & under free	
_____ Commercial Tables @ \$12.00 each	\$ _____
\$15 after 9/06/08	
_____ Swap Tables @ \$5.00 each	\$ _____
\$7.50 after 9/06/08	
Total	\$ _____

No admission charged for license exam only; prepaid registrations will not be mailed, but will be held at the ticket table & available for pickup starting Friday, 9/26, 7PM, and Saturday, 9/27, 8AM; tables available while they last; admission not included in price of table; admission tickets available at the door; talk-in frequencies: 147.24 MHz (+offset), & 146.52 MHz; for information contact: Betsy, N7WRQ, (509)448-5821, [n7wrq@aol.com](mailto:n7wrq@aol.com), <http://www.kbara.org>

## Spokane Hamfest 2007 – directing at the front door ticket table



### Hamfest Update

Pacific Northwest VHF Society  
[www.pnwhfs.org](http://www.pnwhfs.org)

Contacts: Kevin Imel, Vice-President PNWVHFS,  
[vicepres@pnwhfs.org](mailto:vicepres@pnwhfs.org)  
You are invited to join Pacific Northwest weak signal VHF, UHF and Microwave operators at the Best Western Lake Front Hotel and Conference Center in Moses Lake, Washington, for the Annual Pacific Northwest VHF Conference October 3 - 5, 2008. Membership in PNWVHFS is not required for conference attendance.

This year we will feature a great line up of speakers and programs including our keynote speaker Joe Taylor, K1JT, Nobel Laureate and "father" of WSJT, Software for VHF Meteor-Scatter Communication.

Also speaking will be:

- o Lyle Johnson, KK7P (ex-WA7GXD), co-founder Tucson Amateur Packet Radio, Dayton Hamvention Technical Excellence Award winner 1984, currently employed by Elecraft and consulting in the broadcast and space industries, and HPSDR project.
- o Sean Kutzko, KX9X, ARRL Contest Branch Manager
- o Eric Schwarz, WA6HHQ, Elecraft
- o And many more!

"Early Bird" drawing: Register by September 8 and you could win one free night at the Best Western Lake Front Hotel, a conference registration fee refund or \$25 in cash!

We also have a nice table of other door prizes to be given away at the conference by random drawing.

\*\* Check the [www.pnwhfs.org](http://www.pnwhfs.org) website for the latest conference details and registration forms.

## 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

<b>146.74 W7HFI</b>	Kamiak Butte, near Pullman, WA, owned by Bob, W7HFI, & John, W7OE
<b>147.02 KE7HPT</b>	Lookout Pass on I-90 on the Idaho-Montana border, owned by Mark, KE7HPT & John, W7OE
<b>147.28 KD7DDQ</b>	Pikes Peak in the Blue Mountains, southeast of Walla Walla, WA, owned by Ken, KD7DDQ
<b>147.36 N1NG</b>	Stensgar (Stranger) Mountain, near Chewelah, WA, owned by Mike, N1NG, & John, W7OE
<b>147.38 W7OE</b>	Mica Peak, east of Spokane, WA, owned by John, W7OE
<b>223.90 AK2O</b>	Stensgar (Stranger) Mountain, near Chewelah, WA, owned by Karl, AK2O
<b>444.35 N1NG</b>	Mica Peak, east of Spokane, WA, with a 192.8 Hz tone, owned by Mike, N1NG
<b>IRLP Node #3957 N1NG</b>	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