

# KB7ARA

*Kamiak Butte Amateur Repeater Association*

Summer 2013 Edition

## KBARA Gazette

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### Don't miss KBARA 35th Annual Meeting and Picnic

July 27th at Valleyford Park. See details on page 3.

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The KBARA organization met up at about 8am on Saturday at Valleyford Park. We had set up 3 contesting stations, and 1 GOTA station. John, W7OE had multiple antennas set up for CW operation, working 160 meters, 80 meters, 40 meters & 20 meters. Mark, K7HPT brought a huge 3 element beam for working 10 meters. Betsy and Jim set up another station for voice and CW both. Glen, KF7QLH was running the GOTA station for newcomers. GOTA stands for "get on the air", and is primarily for those that don't normally work HF, or those that don't have the license requirements for HF operation.

I believe a good time was had by all, as we had many people stop by and work on the stations. We also had a visitor from the Spokesman-Review and did a nice article about what Field Day is all about. Please see page 7 for the article



Like us on  
**Facebook**



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

## *From the Desk of our President*

The FINAL FINAL.....

What a great time to be a member of KBARA . System expansion, new technology, added coverage, all good stuff. I'd like to thank all the folks near and far who check in to the morning nets. As your Sunday Host, I always

Look forward to the "road Runner" as the kick off to a great week. From Wilber "just checkin' in", Ken's "headed to breakfast" and that always "Good Good Morning" from Dean, it just makes my day. It's a real joy to hear all the Newbies checking in and hear of their quests to General and beyond. Now with the prospect of even more check ins from the Alaska Reflector, thanks to Dave KL7M, nets are sure to become more interesting to listen to and participate.

It's been a pleasure and privilege over the last two years serving as your President. KBARA has grown and now is embracing the Technology that up to a few years ago was unheard of. Ham radio is and will always be a platform for experimentation, development and creation of new modes of communication. Thanks to you, the membership, we've moved to add IRLP and Echoliink as viable links to our system and the world. D-Star, the latest addition to KBARA, is the cutting edge of "digital" communications and a peek at where our hobby is headed. Whatever your interests, amateur radio offers endless opportunities to learn, enjoy and take part in a very unique hobby. Explore, enjoy. Try something new, I know I will.

73 to you and yours. See you at the Annual Picnic / meeting July 27<sup>th</sup>.  
Duff

WA7BFN  
President KBARA.

J U L Y 2 7 2 0 1 3

# the KBARA 35<sup>th</sup> Annual Meeting And Picnic



## WHERE

Valleyford Park,  
Valleyford, WA.

11300 E. Palouse Highway:  
I-90 Pines exit south on  
Pines/Highway 27 past Mica,  
East on Palouse Highway to  
Valleyford, 1/2 mile west of  
Valleyford.

### Look For The Signs

22 acres, 15 parking  
spaces, play equipment,  
hiking trails, basketball  
court, shelters, and BBQ  
area. Restrooms are  
available.



## It's bound to be "FUN"

Join us for the 35<sup>th</sup> annual KBARA meeting and PICNIC Saturday July 27<sup>th</sup>. Featured will be the world famous WRQ Pancake Breakfast from 8:00A – 10:00A Don't miss that.

W5YI Radio Amateur Testing at 11:00AM.

Want to know more about "geocaching"? John, KD7AAT will be conducting an informative seminar to introduce you to this wonderful sport. Learn how to use a GPS, Read the "coords" and yes FIND allusive Caches in and around the park. Fun for sure.

Randy, W4LKS will be conducting D-Star demonstrations throughout the day. Utilizing KBARA's New D-Star repeater located on Sacred Heart Medical Center, see this new mode in action making world wide CLEAR Digital Contacts. AMAZING!

The Annual Meeting will be held at 1:00PM followed by the annual food in your face, potluck extravaganza. Always good eats. BBQs will be available, as no open fires are allowed in the park. Bring tables if you need. More details will follow. Keep watching the website.

SEE YOU THERE!

## IRLP on Tiger Mountain—Evergreen Intertie Link to Seattle

Yum! More Raspberry Pi, please!

Hello everyone! I am pleased to report that the alternative link between Seattle, WA and Spokane, WA is now installed, and seems to be running very well. Instead of making up to 5 "hops" between Montana and Seattle, many of those are now eliminated with IRLP. IRLP or "Internet Radio Linking Project" is a form of VoIP, or Voice over Internet Protocol. We have now eliminated some of those RF links which can create noise and tend to be unreliable especially through our harsh winters. Jack Williams, W7HNN and his team met with me and we installed a Raspberry Pi version of IRLP on East Tiger Mountain. East Tiger is the hub for the Evergreen Intertie.

For those that may be interested, IRLP runs on a standard Linux operating system. Most of the nodes around the world have a desktop PC that is running various versions of Linux. Some run on Fedora, CentOS, and Debian. With the availability of these new "Raspberry Pi" computers, many people have made the move to these little tiny credit-card sized computer to run & control the IRLP nodes. Both of our nodes are "Raspberry Pi" systems. The East Tiger Mt. node has been installed inside of a rack-mount case, allowing it to be placed just above the controller for the Evergreen Intertie. Randy, W4LKS did a great job with the manufacture of a great looking rack mount case. The Spokane node is installed in small plastic computer case, so it takes up very little room on my desktop at work.

As exciting and easy as this sounds, we found ourselves facing some new issues. Normally we have at least 1 additional connection for our morning nets. If we were to keep the two nodes linked together, it would not allow any more incoming connections. The way around this is to find someone who is willing to host our nodes on a reflector. Now most reflector owners that I have met are a little hard to get along with; except Dave, KL7M. You always hear his name and call-sign every morning, as we thank him for the use of his reflector. He has allowed us to park both of the nodes on the Alaska Reflector, channel 5. Now the East Tiger node and the Spokane node are linked together 24/7, and if anyone else wants to link in, they can do so through the reflector. A big thanks to Dave in Alaska!!!

Glen Ahlborn, KF7QLH  
Kamiak Butte Amateur Repeater Association Secretary





# SPOKANE HAMFEST

and American Radio Relay League

# WASHINGTON STATE CONVENTION

September 28, 2013

University High School

12420 E 32nd Ave, Spokane Valley WA 99216

Admission \$5 (Age 18 and under - FREE)

Hosted by 8 Amateur Radio Clubs:



**RAFFLE PRIZES:** 1<sup>st</sup> Prize: ICOM IC-7000 All Mode HF/6 Meters + 2 M + 70 CM Mobile Transceiver; 2<sup>nd</sup> Prize: Kenwood TM-D710A 2M/440 Transceiver APRS/TNC GPS/Echolink Ready; 3<sup>rd</sup> Prize: Yaesu FT-60R 2M/440 HT Transceiver with Wide RX; need not be present to win

**DOOR PRIZES, SEMINARS, DEMOS & DISPLAYS:** "High Altitude Ballooning For Fun & Education" by Dan Croskrey, NV2Z ~ "The Amazing MFJ 269A" by Jack Tiley AD7FO ~ "Satellite Communication" by Rick Nungester, WA6NDR ~ "Coaxial Cable Choices" by Michael Carey, KD7GHZ ~ "Preparing for the HF Propagation Winter" by Randy Crews, W7TJ ~ "Junque" Auction" by John, W7OE ~ "Radio Test Gear" table with Jack, AD7FO ~ Radio License Exam Commercial & non-commercial vendors ~ Breakfast & lunch by Classic Cruisin' Cuisine

**Commercial Tables \$15**

\$12 if paid before September 7

**Swap Tables \$7.50**

\$5.00 if paid before September 7

Admission not included in the price of table space

**Friday, September 27**

Vendor setup: 7PM-9PM

**Saturday, September 28**

Vendor setup: 8 AM

Open to public: 9AM - 5PM

License exam: 12PM

"Junque" Auction: 3:00PM

Raffle: 4:00PM

No-host post Hamfest dinner: 5:30PM

Timber Creek Grill Buffet

9211 E Montgomery Dr, Spokane Valley WA

**Program Advertising**

¼ page for \$40 to full page ad for \$120

**License Exam Info**

contact Mary, AA7RT

at (509)991-2192 or aa7rt@arrl.net

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



## SPOKANE HAMFEST 2013 REGISTRATION

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

Address \_\_\_\_\_

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

\_\_\_\_\_ Registrations @ \$5 each \$ \_\_\_\_\_

Age 18 & under free

\_\_\_\_\_ Commercial tables @ \$15.00 each \$ \_\_\_\_\_

\$12 before 9/07/2013

\_\_\_\_\_ Swap tables @ \$7.50 each \$ \_\_\_\_\_

\$5.00 before 9/07/2013

*Tables available while they last*

Total \$ \_\_\_\_\_

Please make checks payable to:

**SPOKANE HAMFEST:**

PO Box 2552

Spokane WA 99220-2552

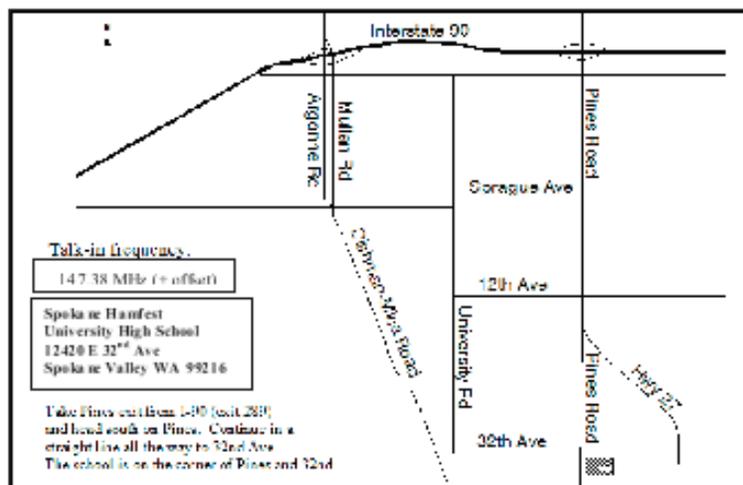
Prepaid registrations will not be mailed -- they will be held at the ticket table, available for pickup beginning on Friday, 9/27/2013, from 7 PM – 9PM.

For additional information contact: Betsy Ashleman N7WRQ  
509-448-5821

E-mail: [n7wrq@aol.com](mailto:n7wrq@aol.com)

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

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, & Panoramaland ARC.



## Radio operators sharpen skills for the day

Kaitlin Gillespie The Spokesman-Review

It's easy to imagine the American Radio Relay League's Field Day isn't just practice. The small group fiddling with radios in Valleyford Park could be responding to a natural disaster – an earthquake, a storm, maybe even a zombie apocalypse.

But until that day comes, members of the Kamiak Butte Amateur Repeater Association kept their amateur radio skills sharp at the annual field day on Saturday. They joined more than 1,600 groups in the United States and Canada to make contact by radio.

If a disaster strikes and communication is impossible, KBARA club members are prepared to set up radio equipment and reach out to other amateur radio operators across the globe.

"The whole idea is in an emergency, we're available to help out without requiring a source of power," club member John Dempster said.

Dempster has been a certified amateur radio operator since 1964, when his neighbor noticed he and a friend had set up a wire intercom system across an alley. His neighbor helped him study for the license, and he's been operating radios since.

On Saturday, Dempster tapped Morse code into the radio, listening for contacts. In just a few moments, he'd jotted down a call signal from the Sacramento Valley, another in Maine, then moved on to reach out to other operators across the country.

Wires snaked through the trees at the park, shot from a homemade potato gun to reach the top branches to serve as makeshift antennas. Operators sat at small tables just long enough to fit a few radios and a battery.

Amateur radio operators – often referred to as hams – don't need much to communicate, said KBARA secretary Glen Ahlborn. If disaster strikes, they can set up almost anywhere to aid in emergency communication.

But it's also an excuse to have fun while talking to people across the world, Ahlborn said. A close friend of Ahlborn's is from Australia. The two started communicating through radio, giving him a way to learn about another culture.

"You get a chance for free to just sit down and (talk) with people," he said.

Club member Kevin Albaugh sat with his radio, twisting the dial, looking for a signal.

"Kilo Seven Yankee Yankee," he repeated into the radio, trying and failing to connect. The club's call signal went unheard over the airwaves. Then suddenly, someone acknowledged him, welcoming him to the feed.

Albaugh earned his radio license in 1971, when his neighbors and uncle introduced him to the hobby. It was always a fun thing to do, he said.

Some ham radio clubs across the country were seeking to make the most connections, called scores, Albaugh said. But that's not why he joined.

"Some people are in it to hit big scores," he said. "I think we're in it to have fun."

## New Amateur Radio Satellites coming. FM and SSB

- FUNcube-1, 435/145 Mhz linear transponder.
- Delfi n3xT 435/145 Mhz linear transponder.
- Triton-1 with a 435/145 Mhz single-channel to DSP transponder.
- Triton-2 with a 435/2408 Mhz FM transponder and 435/145 FM to DSP transponder.
- CPUT ZACube-1 with a 435/145 Mhz FM transponder.
- TURKSAT-3USAT with a 145/435 linear transponder. (in orbit)
- Ukube-1 with a 435/145 linear transponder.

No solid dates on when these satellite will be launched but possibly by the end of the year.

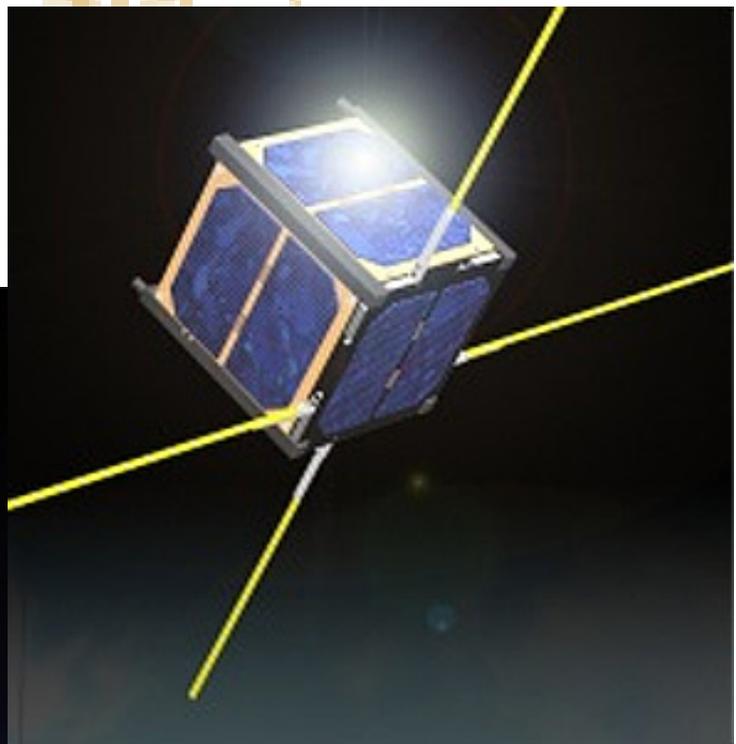
AMSAT Fox-1—145/435 Mhz FM transponder is scheduled to launch in November of 2014. Information here: <http://ww2.amsat.org/?cat=4>

These will add to the current active satellite:

SO-50—The only operating FM satellite.

FO-29—Linear transponder

VO-52—Linear transponder.

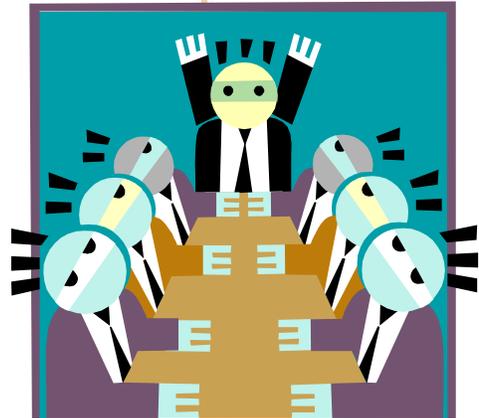
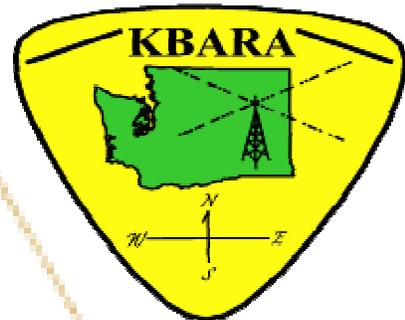


# KBARA Members for 2013

Flathead Valley Repeater  
 Angela Kaufmann  
 Edward C. Johnson  
 Juanita M. Johnson  
 NB1A Kevin B. Albaugh  
 KD7AAT John P. Myers Jr.  
 KE7ADN Gabbee (Gail) Perry  
 KE7ADT Robert Bearpaw Galindo  
 W6AEA George H. Tuncil  
 W7ALT Walter A. Davis  
 WB7AUK Art Gemmrig  
 WX7B Chris Pritchard  
 WA7BAA Donald J. Vogel  
 WA7BEV Bev Starbuck  
 WA7BFN Rollin A. Johnson  
 W7BRT Mark R. Bamford  
 KB7BTU Melvin J. Baillie  
 WL7BUI Mike Foster  
 WA7CBX Bernie Frazier  
 W7CQW C. Q. (Quint) Webb  
 W7DCH Dan Hanson  
 KD7DDQ Ken Crosswhite  
 KA7DKV Russell Doyl  
 K7EFX John Brackemyre  
 KF7EHT Michael J. Sirott  
 WJ7F Bob Ryno  
 AD7FO Jack Tiley  
 N9FOX Barbara J. Moore  
 KA7FVV Scott P. Harvey  
 KB7GJY Allen Gemmrig  
 AC7GL Rod Truax  
 W7GSV Robert M. Rosie  
 VA7GV Guy Venne  
 W7HFI Robert Lemon  
 W7HNN John L. Williams  
 K7HPT Mark Van Winkle  
 K7HRT Patrick P. O'Dea  
 KE7IAT Gary Roth  
 N7IIS Donna M. Eckhardt  
 KF7JJC Roger Krug  
 KB7JKY Valerie Kloepfel  
 KI7JO Daniel Bogle  
 KF7KAC Alice Baillie  
 W7KLL Kenneth L. Lindahl  
 AD7KV Scott B. Grimmett  
 KE7LAQ David Lynch  
 KC7LBY Daniel G. Penny  
 AD7LJ Robert M. Purdom  
 N7LKG Bill Korfhage

W7LKR Patrick Brandt  
 W4LKS Randy Wilkinson  
 K7LRG Leonard Gross  
 N7LVO Neil P. Gallup  
 K7MAT K. Todd Wagner  
 KF7MCC Brad Highley  
 KF7MCD Levi Johnson  
 N7MJD Donald L. Kloepfel  
 K7MM Dan Ransom  
 KF7NFD Jonathan Rumsey  
 N1NG Michael Maxson  
 AD7NH Larry L. Stevens  
 KF7NTC Ken Barker  
 KE7NUB Duane Statler  
 WB7NUE Jerry Harnois  
 KE7NWL Chris Grimmett  
 AK2O Karl Shoemaker  
 W7OE John P. Dempster  
 VE7OLV Oliver Amateur Radio Club  
 KF7OMS Tim Carson  
 KC7OQR Cathie Hebel  
 KC7OQS George Hebel  
 KC7ORO Denise Hebel  
 AA7P Richard J. Hebel  
 W7POV Michael R. Cramer  
 KF7QGL Sam Lassiter  
 KC7QHE James L. Willard  
 KF7QLH Glen Ahlborn  
 KD7QLT Wilber H. Earl  
 W0QPO Daniel G. Cummings  
 WB7RED M.D. "Red" Nierstheimer  
 W7RHE Richard H. Edwards Jr.  
 N7RHX Jim Lawrence  
 KC7RQF Charlene E. Davis  
 KG7SD Richard Thorton  
 K3SHD C. Victor Bak  
 WB7SHL Roger Eckhardt  
 KF7SLW Andrea Nierstheimer  
 W7SSK Don Wilkinson  
 KA7SUZ JoAnn Gemmrig  
 KB7TCM Keith E. Sly  
 KC7TV Link Shadley  
 W7TXP George L. Wallace  
 KB7TYR Kerry Griffith  
 AA7UE Larry L. Sayrs  
 KB7UIP Richard King  
 KF7UTH Dennis P Roberts  
 KB7VCA Betsy Grimmett  
 KF7VDE Gerry O'Brien

KK7VO Elizabeth Simon  
 W7VWV Dean Simmons  
 K7WET Kenneth J. Davis  
 KF7WKR Ken Jones  
 WA7WKX Stephen Lalonde  
 KF7WOR Robert Pfister  
 N7WRQ Elizabeth Ashleman  
 N7WRR James Ashleman  
 W7WTO Royal Moore  
 K0WZA Donald J. LaFavor  
 AD7XH Richard L. Schultz  
 N7XKC Richard L. Wurdack  
 KE7YHO Riley David Grimmett  
 KB7YLO Alma J. Vogt  
 N7YPP Bert Fleson  
 KC4YTZ Richard Fleetwood  
 N7ZUF Jay F. Lopes  
 W7ZVD George C. Copeland



**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, & Jay, N7ZUF
- 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, K7HPT
- 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
- 443.125 B KB7ARA** Sacred Heart, South Hill of Spokane. Digital Voice D-Star DV A 1293.300 -20, DD A 1249.00 RPS
- IRLP Node #3638 KF7QLH** South Hill of Spokane, WA, owned by Glen, KF7QLH
- IRLP Node #3282 KF7QLH** West Spokane, WA on 147.400 simplex, 100.0 Hz tone
- 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>



<p>To support KBARA, please send your contributions to:</p>  <p><b>KBARA</b> <b>PO Box 30801</b> <b>Spokane WA 99223-3013</b></p>	<p><b>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.</b></p>
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## **KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION**

PO Box 30801

Spokane WA 99223-3013