

### 2017 Christmas Get Together at Longhorn BBQ



Camaraderie, just plain "rag chewing", laughter, over-eating.....yes, you guessed it.....our annual Ham Radio holiday luncheon, held on December 16, 2017 at the Longhorn Barbecue Restaurant has come & gone. Well attended by the local clubs as usual, some 45 folks braved the elements to catch up with long-time friends & chow down on Spokane's best BBQ ribs. It was the 17<sup>th</sup> annual holiday gathering. Unfortunately, no pictures were taken this year as yours truly was too busy visiting/eating, but in the archives was a picture collage of good times past.





## From the Ham Shack of our President

KBARA Members,

I hope everyone had a great holiday season and spent plenty of time with family and friends. Maybe some of you had a nice radio related gifts under the tree or treated yourself to something.

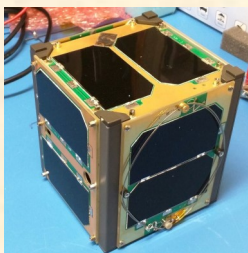
As we march KBARA into a new year we can look forward to coverage once again across the Palouse. Our new repeater is currently running in northwest Spokane. We hope to have IRLP connectivity soon to the rest of the system. The new repeater is on 147.320 Mhz and a tone of 103.5. I hope some of you have been using it since we announced it a couple of months ago. We hope to install it on West Twin just north of Moscow this spring. If we have some mild weather maybe sooner than later.

We will have some bylaw changes for everyone to review in the Spring newsletter that we will vote on in June at the annual meeting. We will be looking for some new officers for KBARA as well. I will be stepping down as your president and we have an open vice president spot to fill. We will also have a net manager opening as well.

I end this editions letter on a somber note. We have lost to many of our KBARA friends and fellow members over the past year. Most recently Stoy, KG7PZP; Andrea, KF7SLW; JoAnn, KA7SUZ and Jim, WA7RVV. Please see later in this edition memories of our silent keys. I am also working on a silent key page for the web site.

73, Scott, KA7FVV,  
President KBARA





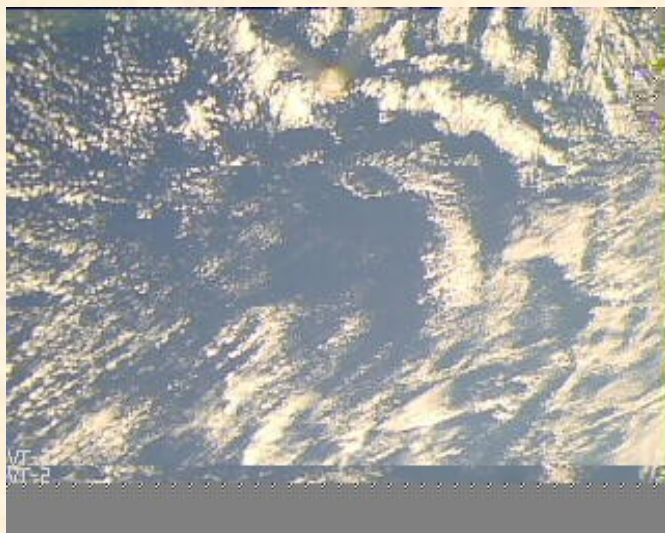
# Satellite Update

By Scott, KA7FVV

RadFxSat (Fox-1B), was successfully launched and is now AO-91. Amsat has achieved what AO-85 was supposed to achieve. A great replacement for AO-51. Easily worked satellite even with a handheld with a extended antenna. I have worked several stations that have reported they are portable without the aid of a beam, ELK or Arrow antenna. Give it a listen. It is a very busy satellite.

AO-91 carries a U/v FM transponder. Uplink of 435.250 MHz (67.0 Hz CTCSS) and a downlink of 145.960 MHz.

On January 11th we saw the launch of our next Amsat Fox satellite, Fox-1D. This also has a U/v FM transponder. Uplink of 435.350 MHz (67.0 Hz CTCSS) and a downlink of 145.880 MHz. Telemetry was heard and captured about 90 minutes after launch. Two days after launch it was designated, Amsat-Oscar 92 (AO-92). AO-92 has a camera built by Virginia Tech on board that has already been tested. Pictures can be captured with the telemetry downlink when the camera is active. I will share pictures on Facebook when I am able to capture some myself. Test picture received by Amsat shown here.



Also on the same launch a second FM satellite, PicSat This one with a V/u transponder like SO-50. Uplink of 145.910 MHz and a downlink of 435.525 MHz the only issue is on their web site it indicates the need for a 1750 Hz tone to access it. This is a standard in Europe but not the rest of the world.

Check my website for Doppler shift programming for the uplink. [ka7fvv.net](http://ka7fvv.net)





# Upcoming Hamfests and Events

Courtesy of N7CFO.com

**February 17. Salem Hamfair & Computer/Electronics Swapmeet.** Rickreall, OR at the Polk County Fairgrounds. *This is an ARRL sanctioned event.* <http://www.w7sra.com> .

**March 10. Mike & Key 36th Electronics Show & Fleamarket.** Puyallup fairgrounds exhibition hall, Puyallup, WA. *This is an ARRL sanctioned event.* <http://www.mikeandkey.org/flea.htm>

**March 24. MicroHams Digital Conference,** Redmond, WA. *This is an ARRL sanctioned event.* <http://www.microhams.com/mhdc/>

**April 7. Yakima Hamfest.** Yakima, Washington. <http://yakimaamateurradioclub.com/yakima-hamfest/>

**April 7. Comfest Swapmeet.** Richmond, BC. [https://secure.eton.ca/rac/events/detail.php?event\\_ID=1904](https://secure.eton.ca/rac/events/detail.php?event_ID=1904)

**April 14 & 15. Communications Academy.** South Seattle Community College, Seattle, WA. *This is an ARRL sanctioned event.* <http://commacademy.org/>

**April 20-22. Idaho State Convention.** Boise, ID. *This is an ARRL sanctioned event.* <http://www.idahostateconvention.com/>

**May 12. Stanwood Camano Amateur Radio Club Hamfest,** Stanwood Middle School, Stanwood, WA. Contact: Fred Laun, [w7pig@arrl.net](mailto:w7pig@arrl.net) <http://www.scarcwa.org/>

**May 19 & 20. River Radio Campout 2018.** Pateros WA. Sponsored by the Okanogan County Amateur Radio Club. Free "dry" camping along the Methow River at Pateros. Always the weekend prior to Memorial Day Weekend. [w7orc1@gmail.com](mailto:w7orc1@gmail.com) . <http://www.w7orc.com/> . Contact Mike W7MCM, [skippermike53@gmail.com](mailto:skippermike53@gmail.com) . 509-689-3164.

**May 6. Maple Ridge Swapmeet.** Pitt Meadows, BC. [https://secure.eton.ca/rac/events/detail.php?event\\_ID=1906](https://secure.eton.ca/rac/events/detail.php?event_ID=1906)

**June 1-3. SEA-PAC Hamfest and ARRL Northwestern Division Convention.** Seaside Convention Center, Seaside, Oregon. *This is an ARRL sanctioned event.* [info@seapac.org](mailto:info@seapac.org) . [www.seapac.org/](http://www.seapac.org/)

**June 8-10. 50th Annual Apple City ARC Hamfest.** Apple City ARC. Dryden Gun Club. Dryden, WA. (Five miles east of Leavenworth on Hiway 2). <http://www.qsl.net/w7td/> .

**June 9. KARS Hamfest.** Kootenai Amateur Radio Society. Post Falls, ID. Always the 2nd Sat in June. For information contact [k7idhamfest@gmail.com](mailto:k7idhamfest@gmail.com) . [www.k7id.org](http://www.k7id.org) .

**June 18 - 24. 50th Anniversary Washington State SAR Conference.** Central Washington University, Ellensburg, WA. <http://www.wasarcon.org/>

**June 22-24. 39th Annual KBARA HamOut and Meeting.** Valleyford Park, WA. Contact Scott, KA7FVV at [ka7fvv@yahoo.com](mailto:ka7fvv@yahoo.com) . <http://www.kbara.org/>

**June. Port Ludlow ARC Annual TailGate'r.** Port Ludlow, WA. <http://www.n7pl.org/>

**July 18. Salmoncon.** Pacific Northwest QRP Group annual weekend outing. North Bend, WA at Valley Camp. <http://valleycamp.org/> Contact Wayne McFee [nb6m@att.net](mailto:nb6m@att.net) . <https://sites.google.com/site/pnwqrpgroup/salmoncon>





# 2018 Field Day and 40<sup>th</sup> Hamout & Annual Mtg June 22 through 24, 2018

## VALLEYFORD PARK

147.380 will be  
talk-in frequency.

With the great success of our 2017 Field Day/Annual Meeting combo even we are set to make this a tredition.

Location is Valleyford Park, in Valleyford, WA. 10 miles southeast of Spokane on the Palouse Highway. The park is well treed so is well suited for Field Day. This will be our fourth Field Day at this location. There is a great picnic shelter for our meeting and potluck. Camping is limited to tents due to the size of the parking lot. Last year the parking lot was full with the great attendance we had.



A pancake breakfast will be served at 0900 on  
Saturday Morning, June 23th.

The annual meeting will be held at 1300 on  
Saturday, June 23<sup>th</sup> at 1300 with a potluck lunch  
to follow.





## Membership Renewal

If you have already renewed your membership and/or donated to the repeater fund thank you very much for your support. If you have not please take the time to do so either by mail with the form below or on our website with PayPal.



Please remember to renew your membership for 2018

Name \_\_\_\_\_

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

Address \_\_\_\_\_

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

Phone \_\_\_\_\_ Amt Paid \$ \_\_\_\_\_

E-Mail \_\_\_\_\_

ARRL Member # \_\_\_\_\_



## ***ANNOUNCING THE 37th ANNUAL MIKE AND KEY ARC ELECTRONICS SHOW & FLEAMARKET***



**MARCH 10, 2018 @ 9AM  
PAVILION EXHIBITION HALL**



**WASHINGTON STATE FAIR GROUNDS**

110 9th Avenue SW, Puyallup, WA 98371

**ADMISSION - \$10 (UNDER 16, FREE w/ADULT)**

**TWO FLOORS WITH 44,000 Sq FEET OF EXHIBITION AREA (>300 tables)**

**TALKIN 146.82/22 (PL 103.5)**

**RADIO GEAR \* COMPUTERS \* CLUB & INFO TABLES \* PARTS**

**SNACK BAR \* FREE PARKING \* CONSIGNMENT AREA**

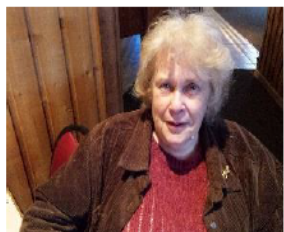
**LICENSE EXAMS \* OVERNIGHT RV Sites Available (Call 253-845-1771)**





## Silent Keys over the last year

JoAnn, KA7SUZ SK



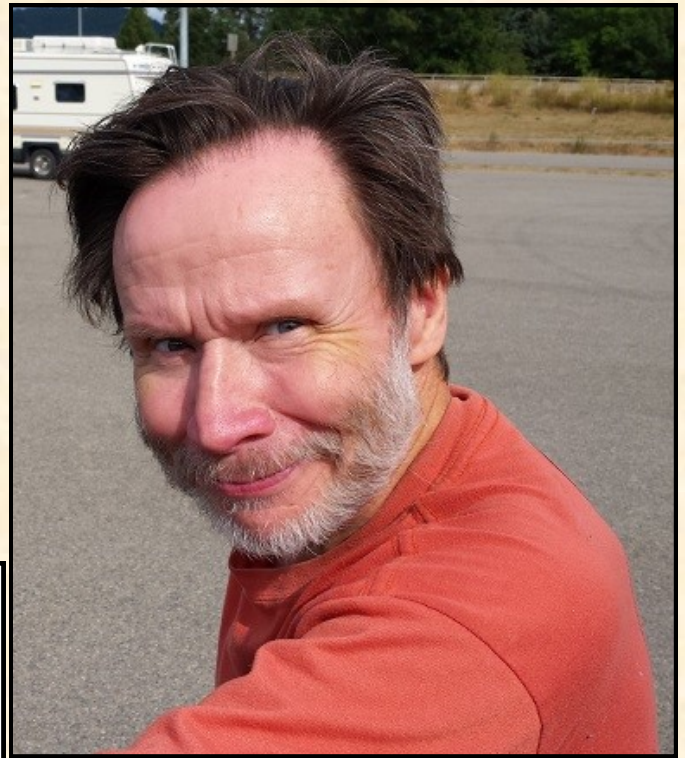
I first met JoAnn Gemmrig, KA7SUZ, in the mid 90's at a small KBARA annual meeting held at a local park. I was new to the hobby, and had been trying out the Evergreen Intertie as we had relatives on the West Side, also new to the hobby. There was talk that Art would be soon be disconnecting KBARA from the West Side, and I wanted to know more. After making my concerns known at the meeting, JoAnn suggested I run for office, in very plain words. Later, I took her advice. Next, I saw her at the W7DP Walla Walla Hamfest, wearing her famous cowboy hat which was adorned with numerous Ham Radio pins. She was madly selling raffle tickets, and doing a good job as she knew everyone.....or I should say everyone knew JoAnn. Art, WB7AUK, her OM, had a table at the event, selling radios & gear from his store. I still use that HT I bought from him that day. JoAnn & several other local Hams initiated the "original" Spokane Hamfest. She was chairman for several years, with a number of clubs participating in the annual event. She was a wonderful coach when I stepped up to the plate a few years later. She & Art would occasionally attend a KBARA annual meeting, driving in with their huge motor home which always had the latest Ham gear. She was still KBARA's agent for the State of Washington, & stayed in touch with the goings on. We will miss JoAnn, KA7SUZ, with her dynamic, sparkling personality. She certainly made an impression on me over the years, and I thank her for that.

Betsy, N7WRQ



# Stoy Dabbs, KG7PXP

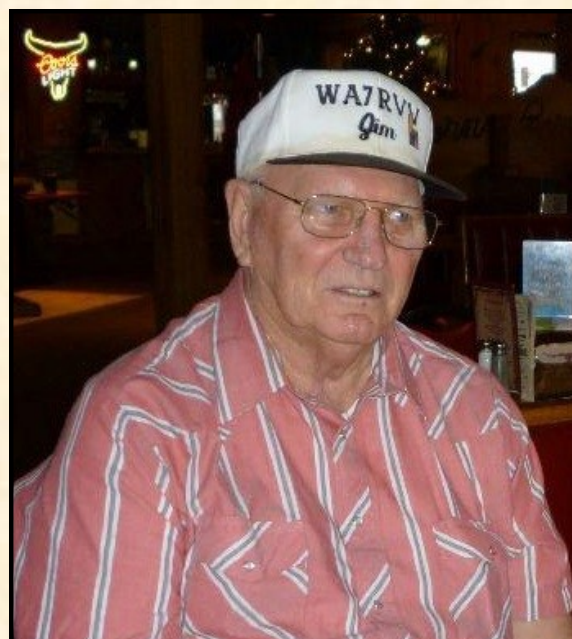
Mr. Solar and Segway enthusiast.



A special thanks to John, W7OE and Betsy, N7WRQ for their contributions to these pages.



**James Reeves,  
WA7RVV**



**Red Nierstheimer,  
WB7RED  
Andrea Nierstheimer,  
KF7SLW**



**James Pangborn,  
K7FHX**

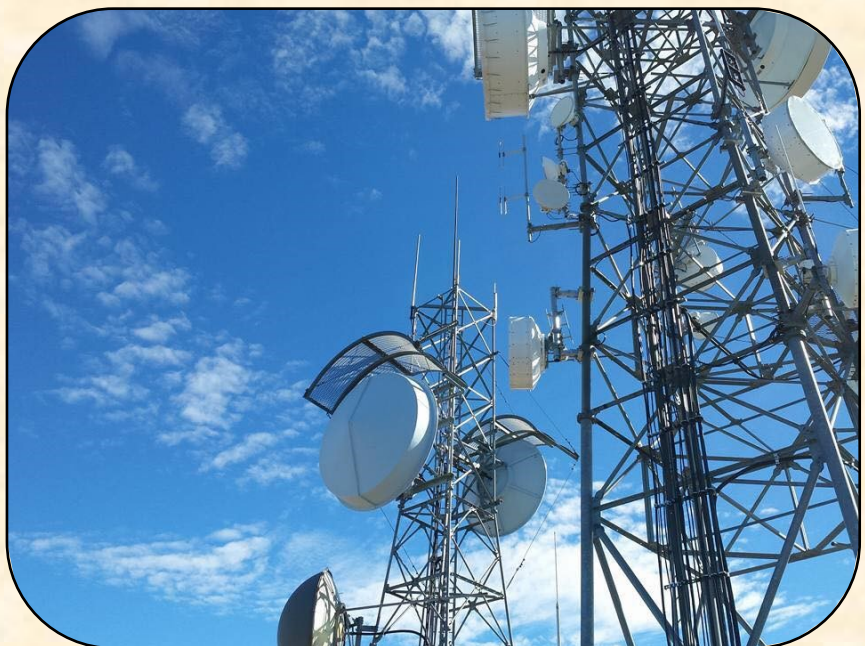
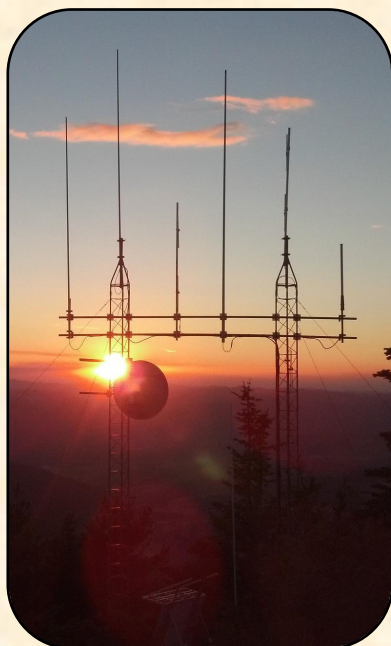






# KBARA Repeaters and Echolink/IRLP Nodes

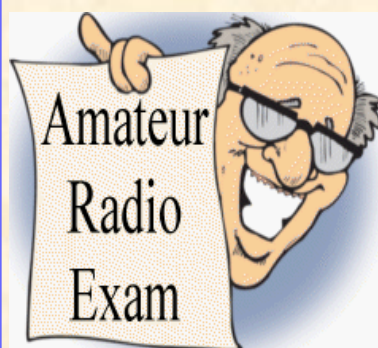
Frequency	CTCSS Tone	Location	Callsign	RF Link
<b>Repeaters</b>				
223.90 Mhz	None	Stensgar Mtn	AK2O	Hub
147.38 Mhz	None	Mica Peak	W7OE	AK2O—223.90
147.36 Mhz	None	Stensgar Mtn	K1RR	Hard wired Hub
147.02 Mhz	None	Lookout Pass	K7HPT	W7OE—147.38
147.28 Mhz	None	Pikes Peak	KD7DDQ	AK2O—223.90
145.19 Mhz	None	Elk Butte	K1RR	AK2O—223.90
147.32 Mhz	103.5	Northwest Spokane	KA7FVV	IRLP Soon
<b>Links</b>				
Echolink KB7ARA-R	N/A	Spokane, WA	K1RR	AK2O - 223.90
IRLP Node 3636	None	East Tiger Mt	KB7ARA	145.33 & Ref 9075
IRLP Node 3638	None	Spokane, WA	K1RR	AK2O—223.90 & Ref 9075





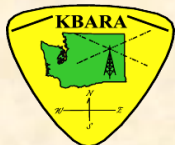
**KBARA Membership / Support Information:** The KBARA repeater system consists of several privately owned linked Amateur Radio repeaters. It covers an area from northeastern Washington to northeastern Oregon, and from western Montana to central Washington. The KBARA system is also part of the Evergreen 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. All licensed Amateur Radio operators are welcome to use this open repeater system. Your support would also be greatly appreciated. Please visit this site for more information:

**<http://www.kbara.org> and visit <http://groups.yahoo.com/group/evergreenintertie>**



Testing is held the 3rd Wednesday of every month at Spokane Fire Station No. 4 at 1515 W 1st Avenue, Spokane. Brought to you by Glen, K1RR. If you have any questions please contact Glen at [glen@k1rr.com](mailto:glen@k1rr.com) or 509.216.0666.

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. This can also be done via Paypal on our webpage at [www.kbara.org](http://www.kbara.org).

**KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION**

**PO Box 30801**

**Spokane WA 99223-3013**