



## Hamfest 2016 by Betsy, N7WRQ

Hi All,

Again, thanks to everyone who helped make Spokane Hamfest 2016 happen. It was another good year for meeting our goals with this most important Ham Radio event hosted by the six clubs.

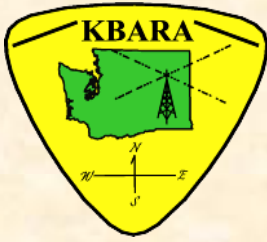
Here's the recap of our wrap-up meeting, held October 18, 2016.

1. Our Treasurer Mike, KE7PG, presented his report: this year, we had 400 paid admissions, sold 1,577 raffle tickets, spent \$1,827 on prizes (includes all raffle & door prizes and rebates on radios). The bank account totaled \$3,915. With about \$40 left in the account to keep it open, each of the five clubs received their donated seed money of \$500 plus \$275 in profit.

2. Regarding next year's event, Mike, KE7PG stipulated there must be a cut-off date for reserving swap tables, that the total number of swap tables be limited to 40-45 to make the Commons area more accessible to wheelchairs, and that he be the contact person for the Hamfest. With that agreed upon by the Hamfest Committee, he volunteered to again be the Treasurer of the event. Thanks so much Mike!!!

3. Discussions regarding the date of next year's event followed, as well as whether to change prices. It was determined that September 23, 2017 would be the date of Spokane Hamfest 2017, and that all prices would remain the same. In addition, the Hamfest Committee determined that any





## Hamfest 2016 continued

club contributing seed money but not participating in the event would receive their seed money back after the Hamfest, but without any profit. Too, we discussed whether it would be better to have a number of less expensive raffle prizes, rather than including an expensive one.

4. Our next meeting will be held January 10, 2017, 5:30PM at Zip's Restaurant (corner of Trent & Fancher in the Spokane Valley). At that meeting, seed money will be expected from each club, with the maximum to be put in by each limited to \$500.

5. Over the next several weeks, University High School will be reserved for the event, and the application for ARRL WA State Convention status will be applied for.

So, again, thanks all, & onward!!

73,

Betsy, N7WRQ

Spokane Hamfest 2016-2017 Chairman







## A few words from our President

KBARA Members,

I hope everyone finds themselves well moving into the fall and winter season here in our great Northwest. As usual with the coming and going of our annual Hamfest signals the close of our summer amateur radio activities. Starting with the Mike and Key Electronics Show & Fleamarket (aka: Puyallup Hamfest), then Field Day highlighted in the summer newsletter. Then our Annual Meeting and Hamout and culminating with the Hamfest. There are a few scattered events in the coming months to keep us busy. Then on the horizon Puyallup on March 11th. We all know it will be here before we know it.

Our Annual Meeting and Hamout held again this year at Rotary Park in Oldtown, ID. We ended up being a week later than usual this year due to the schedule at the park. Several of us camped on Friday and we all had a great time visiting with fellow hams. For the business portion of the meeting we reviewed and voted in some long needed updates to our Standing Rules due to changes in technology and they hadn't been updated since 2002. All officers except for Glen, K1RR stayed in their current officer position. I want to thank Glen for his great service and contribution to the club in the position of secretary. In his place please welcome Valaire, KG7OWX as our new secretary.

For next years meeting and Hamout I have yet to book a venue. Still looking at Rotary Park as an option for a fourth year but also exploring a couple other options closer to Spokane. One location would just be a meeting place with no camping facilities. I hope to have an update by the winter edition of the newsletter.

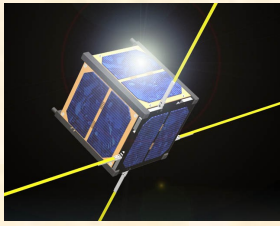
It was great to see our friend, John, KD7AAT (aka: John Boy), our membership secretary, at our events this year. Even arriving at the Annual Meeting with his motorcycle in a U-haul truck due to an electrical malfunction. Puyallup, Field Day, Annual Meeting, Hamfest and he even attended the Seaside Hamfest. We hope to maybe see him again next year at some of our annual events. In the mean time he is well connected to the KBARA system from Nipomo, CA.

With the cooler fall and winter weather coming pushing us to do more indoor activities. A great time to spend more time in the shack with the HF bands slowly improving.

Everyone have a great holiday season and I will talk with you on the radio.

73,

Scott, KA7FVV, President KBARA



# Satellite Update

by Scott, KA7FVV

Our two popular FM satellites are continuing to function well. 13 year old SO-50 and the celebrating a year in orbit, AO-85.

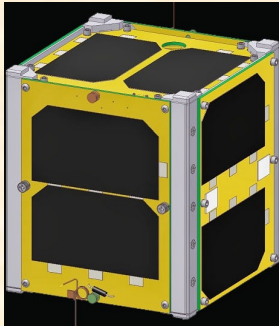


## SO-50

### Mode V/u FM Transponder - 250 mw

VHF Uplink: 145.850 MHz FM - **67.0 hz tone**  
UHF Downlink: 436.795 MHz FM

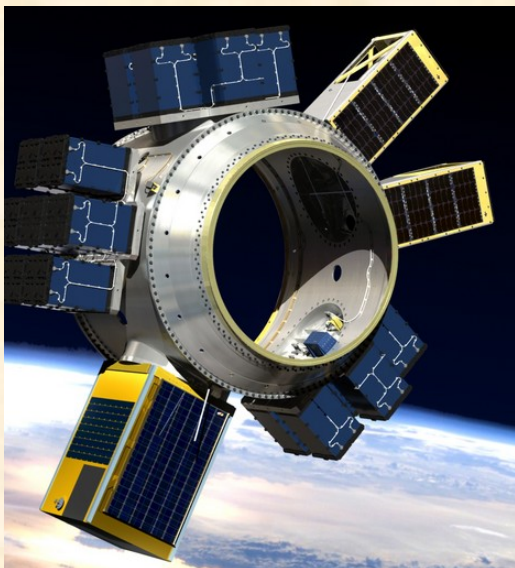
**Use a 74.4 hz tone to turn the satellite on if need be.**  
**Once the satellite is on be sure and transmit with the 67.0 hz tone.**



## AO-85

### Mode U/v FM Transponder - 400 mw plus

UHF uplink: 435.180 MHz FM - **67.0 hz tone**  
VHF downlink: 145.980 MHz FM



## **SHERPA Mission Delayed**

The first flight of the SHERPA cubesat launch system was originally to be launched late this year. Due to the unfortunate pre-launch fueling fire that SpaceX suffered causing the loss of a communications satellite this has been pushed back until next year. SHERPA will have the capability of launching multiple cubesats. Among the first cargo are to be new Fox satellites from the on going AMSAT NA Fox series, Fox-1Cliff and Fox-1D.

The next Fox satellite to be launched will be RadFxSat (Fox-1B). Currently set for March 16, 2017 from Vandenberg AFB atop a Delta II rocket. This satellite carries an FM transponder similar to AO-85.



# Upcoming Hamfests and Events

Courtesy of N7CFO.com

**November 6. Maple Ridge Swap Meet.** Pitt Meadows, BC. [http://rac.eton.ca/events/detail.php?event\\_ID=1816](http://rac.eton.ca/events/detail.php?event_ID=1816)

**November 20. CVRS Antique Radio Swapmeet.** Burnaby, BC. [http://rac.eton.ca/events/detail.php?event\\_ID=1831](http://rac.eton.ca/events/detail.php?event_ID=1831)

**February 18, 2017. Salem Hamfair & Computer/Electronics Swapmeet.** Rickreall, OR at the Polk County Fairgrounds. <http://www.w7sra.com> .

**March 11, 2017. Mike & Key 35th Electronics Show & Fleamarket.** *This is an ARRL sanctioned event.* Puyallup fairgrounds exhibition hall, Puyallup, WA. <http://www.mikeandkey.org/flea.htm>

**March 18, 2017. Microhams Digital Conference,** Redmond, WA. <http://www.microhams.com/mhdc/>

**April 2, 2017. Richmond Amateur Radio Club Swap Meet.** Vancouver, BC. [http://rac.eton.ca/events/detail.php?event\\_ID=1822](http://rac.eton.ca/events/detail.php?event_ID=1822)

**April 8, 2017. Yakima Hamfest.** Yakima, Washington. Selah Civic Center, 216 South 1st Street, Selah, WA. <http://yakimaamateurradioclub.com/yakima-hamfest/>

**April 21, 2017. Idaho State Convention.** Boise, ID. *This is an ARRL sanctioned event.* <http://voiceofidaho.org/> Contact: Larry Bickham , WA7ZZS. (208)453-1666, [wa7zzs@arrl.net](mailto:wa7zzs@arrl.net)

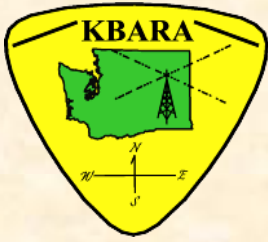
**April 22 & 23, 2017. Communications Academy.** South Seattle Community College, Seattle, WA. <http://commacademy.org/>

**May 2017. 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 15 - 18, 2017. Washington State Search And Rescue Conference.** Ferry County Fairgrounds, Republic, WA. <http://www.wasarcon.org/>

**May 19-21, 2017. River Radio Campout 2017.** Pateros WA. Free "dry" camping along the Methow River at Pateros. Always the weekend prior to Memorial Day Weekend. Contact Roger W7CH [w7ch@arrl.net](mailto:w7ch@arrl.net) (509)687-3919. <http://lakechelanradioclub.webs.com/>





## Miscellaneous Nets

### YL Net - 7-7:30pm, Tuesdays

The YL net was started about a year ago, primarily for women hams however everyone is welcome to check-in. There was a very successful YL net years ago and we'd like to reestablish that net once again. It was started because there seems to be a lack of women who tend not to check into our nets that might have an interest but are afraid to talk for fear that they might say something wrong. There are no right or wrong topics, except for you know....

I know, I know that work thing tends to get in the way however we would like to encourage all women to check in. The net covers various topics such as; book, movies, your favorite recipe, family, even radio. If you have a favorite recipe you would like to share or a book your reading, tell us about it.

If you have a spouse, child or friends that would like to get a taste of ham radio, this is a good spot to get them on the air to see the joy in "Ham Radio". Third party check-in are always encouraged and welcomed. Don't be afraid, check-in. See you on the radio....

For more information, contact Debby, W7TSE at (509)690-4624 or Andrea, KF7SLW.

**YL Net will be starting back up for the winter on October 25th.**

## 40 Meters — The Noontime Net

The *Noontime Net* is a public service Amateur Radio net that meets every day on 7268.5 kHz. and 3970 kHz. with a secondary frequency of 7283.5 kHz for both nets. All Amateur Radio Operators are welcome to check in. Check out their web page at <http://www.noontimenet.org>

## D-Star Nets

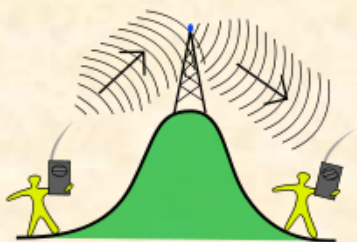
**Saturday Night D-Star Net** — Every Saturday at 1900 PT on Reflector 29A  
Spokane WA7DRE D-Star Repeater  
Hosted by Duff, WA7BFN; Scott, KA7FVV or Steve, KC9SIO

**International D-Star Net** — Every Sunday at 1700 PT on Reflector 1C  
Check-ins from around the world  
Hosted by Connie, KB0ZSG or Steve, KC9SIO

**El Paso D-Star Net** — Every Monday at 1815 PT on Reflector 55A

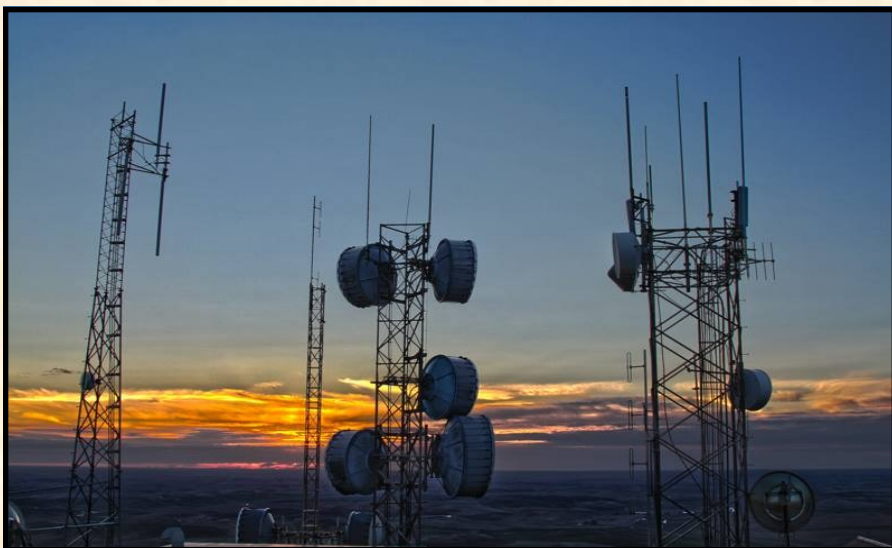
**Raspberry Pi D-Star Net** — Every Monday at 1900 PT on Reflector 38C





# KBARA Repeaters and Echolink/IRLP Nodes

Frequency	CTCSS Tone	Location	Callsign	RF Link
<b>Repeaters</b>				
146.74 Mhz	None	Kamiak Butte	W7HFI	AK2O—223.90
223.90 Mhz	None	Stensgar Mtn	AK2O	Hub
147.38 Mhz	None	Mica Peak	W7OE	AK2O—223.90
147.36 Mhz	None	Stensgar Mtn	AF7JB	Hard wired Hub
147.02 Mhz	None	Lookout Pass	K7HPT	W7OE—147.38
147.28 Mhz	None	Pikes Peak	KD7DDQ	AK2O—223.90
53.75 Mhz	100.0 hz	Kamiak Butte	N7ZUF	Linked
145.19 Mhz	None	Elk Butte	KF7WOR	AK2O—223.90
<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
147.400 Simplex IRLP Node 3282	100.0 hz	NW Spokane, WA	K1RR	IRLP Only

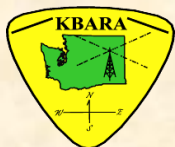


**KBARA Membership / Support Information:** The KBARA repeater system consists of several privately owned linked Amateur Radio repeaters. It covers an area from northeastern Washington to northeastern Oregon, and from western Montana to central Washington. The KBARA system is also part of the Evergreen 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>



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**