

# KB7ARA

*Kamiak Butte Amateur Repeater Association*

Winter 2014

## KBARA Gazette

### New D-Star Net originating from the KBARA System

by Scott, KA7FVV

As of Saturday, January 4th, Duff, Randy and myself started a weekly D-Star Net on our system. We connect to reflector 35C. On our first net we had 19 check-in's from around the country. We are adding the use of the D-RATS program to the net as well. No D-Star radio needed. D-RATS is a communications program that can be used either via the radio or the internet.. We will be using what is known as a rafflector from our friends in Federal Way. The program has the default national rafflector in place. Under preferences and radio add WA7FW, network and wa7fw.dstargateway.org, leave port 9000. For the net uncheck the RAT connection and just leave WA7FW checked. Go to the chat tab and you should see stations connected. Go to [www.d-rats.com](http://www.d-rats.com) to download the program and see information about what it does.

**Net is every Saturday originating from the KBARA D-Star Repeater on Reflector 35C and on D-RATS on the WA7FW Rafflector. Come join the fun!**



### Love My Baofeng

by John Dempster, W7OE

I recently was given a Baofeng UV-5RA Dual-Band handheld from a disgruntled owner. The main objection from owners of this Chinese radio is the difficulty in manually programming memory channels. Also, this information is not contained in the Instruction Manuel. This radio is available for under \$30.00 and covers the full 2-Meter and 70 CM (440 MHz) bands plus some out of band frequencies. I own at least ten handhelds that I have purchased over the years and this is by far the best handheld for the money. Instead of pontificating, I will include a link by WP4AOH which gives (in my opinion) the best step by step instructions for programming this radio. By the way, I use this radio every day to cross-band to my Kenwood Dual Band FM radio at home (one mile from the office). It works like a charm and the LED light makes a great flashlight for opening the gates at work. Below is the WP4AOH link.  
<http://wp4aooh.blogspot.com/2013/01/uv-5r-photo-1-baofeng-uv-5r-ia-multi.html>



## ***From the Desk of our President***

Greeting Club Members;

Wishing you a Happy and Prosperous New Year and hope that you reach your aspirations in 2014. The Christmas party at the Longhorn Barbecue was well attended on December 21<sup>st</sup>. It was a great time to visit with friends, meet and attach faces to call signs of those who check in to the nets. Those that were not able to attend this event; you were missed and hope to see you next year.

I would like to thank Mike and the net control operators for their service given to the club to keep nets operating. It is a tough but rewarding experience. New or relief hosts are always welcome.

It is good to hear the Oliver BC Radio Club's Net Friday and Saturday nights at 8:00pm. Ed is a great host and it is a wonderful way to make new contacts with our friends in both the U.S. and Canada. Checking into a net is a way to show support for the systems being used.

I would also like to thank the KBARA Officers, Scott, Glen and Betsy and Repeater Owners for their efforts to keep one of the best radio systems in operation. Hams located in and outside of our area count on KBARA to meet their communication needs by a variety of options.

It is not always pleasant to be an officer or an owner but the focus of the club should always be on maintaining and supporting the KBARA repeater system. KBARA has a great future, but we must continue to work as a team to keep this great system operating efficiently meeting the needs of its users.

New hams in area are welcome, please feel free to use the KBARA System and become a club member.

Check the KBARA.org website for information on other activities for hams and net times.

Major Events coming in the future include Mike and Key ARC Electronic Show, Puyallup, WA March 9<sup>th</sup>, Washington ARRL State Convention/Spokane Hamfest September 27th, Ham license Testing Spokane, WA 2/18, 4/15.

Looking forward to a great KBARA year in 2014

73,

Roger Krug  
KF7JJC

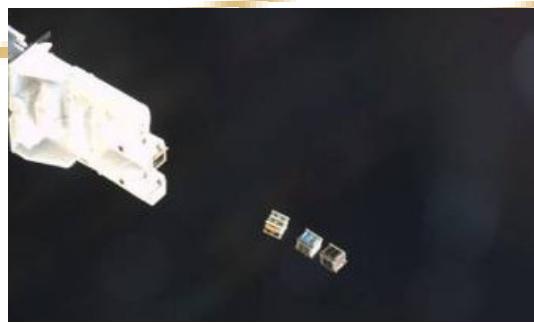
# New Amateur Radio Satellite to be launched from ISS

by Scott, KA7FVV

## LituanicaSAT-1

- FM Transponder:  
Uplink 145.950 MHz Downlink 435.180 MHz
- AX25 Uplink 145.850 MHz AX25 Downlink 437.550 MHz
- CW Beacon 437.275 MHz

Facebook:  
<https://www.facebook.com/Lituanicasat1>



## LitSat-1

- SSB Transponder:  
Uplink 435.180 MHz Downlink 145.950 MHz
- AX25 Uplink 437.550 MHz Downlink 145.850 MHz

Facebook:  
<https://www.facebook.com/palydovas>



## ArduSat

- 9k6 MSK CCSDS data format downlink 437.?  
MHz

<http://www.kickstarter.com/projects/575960623/ardusat-your-arduino-experiment-in-space>



## UAPSAT

- AX.25 Packet Radio:  
Uplink 145.980 MHz Downlink 437.385 MHz



Once launched the satellites are expected to be in orbit about 6 months. It will be nice to have another FM satellite if only for 6 months. I have the FM Doppler shift information posted on my satellite web page for LituanicaSAT-1:  
<http://ka7fvv.home.comcast.net>



Happy Satellite Tracking!



# ANNOUNCING THE 33rd ANNUAL MIKE AND KEY ARC ELECTRONICS SHOW & FLEAMARKET



MARCH 8, 2014 @ 9AM  
PAVILION EXHIBITION HALL



WASHINGTON STATE FAIR GROUNDS

110 9th Avenue SW, Puyallup, WA 98371

ADMISSION - \$8 (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  
OVERNIGHT SC/RV Camping Available \* LICENSE EXAMS

Table Reservation Information: (253) 631-3756, [dmdlink@clearwire.net](mailto:dmdlink@clearwire.net) or [n7wa@arrl.net](mailto:n7wa@arrl.net)  
VE Exam Information: (425) 788 0452, [ag7t@arrl.net](mailto:ag7t@arrl.net)

cut

cut

cut

CONTACT NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ BUSINESS NAME (IF ANY): \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: ( ) \_\_\_\_\_ E-MAIL: \_\_\_\_\_

QTY	DESCRIPTION	\$
	COMMERCIAL BOOTHS @ \$112 EACH SELLER/HELPER ADMISSIONS (NOT INCLUDED) (200 SQ FEET, 4 8'X30" TABLES INCLUDED)	
	SELLER TABLES 8'X30" @ \$25 EACH SELLER/HELPERS ADMISSIONS (NOT INCLUDED) (INCLUDES ACCESS TO ELECTRICITY)	
	SELLER REGISTRATIONS @ \$7 EACH (LIMIT OF ONE (1) PER TABLE PURCHASED)	
	TABLE HELPER REGISTRATIONS @ \$9 EACH (LIMIT OF TWO (2) PER TABLE PURCHASED) (LIMIT ONE (1) PER INFO TABLE)	
	DAY OF EVENT ADMISSIONS @ \$8 (HONORED @ 8AM, March 8th-SENT BY RETURN MAIL- NO ORDERS AFTER 02/20/14)	
	TOTAL ENCLOSED =	

#### REGISTRATION TIPS

REGISTER EARLY AS TABLES ARE ASSIGNED ON A FIRST COME, FIRST SERVE BASIS AS DETERMINED BY POSTMARK. SPECIFIC LOCATION REQUESTS ARE HONORED ONLY IF THE SPACE IS AVAILABLE. BE FLEXIBLE AND GET GROUP REQUESTS IN EARLY.

EXAMPLE ORDERS: 1 TABLE & 1 SELLER = \$32  
1 TABLE & 1 SELLER & 1 HELPER = \$41  
1 TABLE & 1 SELLER & 2 HELPER = \$50  
2 TABLES & 2 SELLER = \$84  
1 BOOTH & 2 SELLERS \$128

Please note any location/group requests, special requirements, or additional information below:

(WALK-IN ONLY) Prefer to pickup Registration packet at  
Gold Gate NE corner of the Fairgrounds? Check Here ( )

#### SELLER SETUP TIMES

MARCH 7 (FRIDAY) - 2PM TO 7:30PM

MARCH 8 (SATURDAY) - 5:30AM TO 8:30AM

MAKE CHECKS PAYABLE TO: MIKE & KEY ARC MAIL FORM AND PAYMENT TO DIANE DINKELMAN 22222 148TH AVE SE, KENT, WA 98042  
ALL RESERVATIONS CONFIRMED BY RETURN MAIL (NO RESERVATIONS TAKEN OR CONFIRMED BY E-MAIL)  
INFORMATION TABLE REGISTRATION PACKETS WILL BE AT THE WALK-IN GOLD GATE UNLESS OTHERWISE REQUESTED. CHECK FOR DRIVE-IN: ( )

# 2014 Membership Dues



Name: \_\_\_\_\_

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

Address: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ Amount Paid: \_\_\_\_\_

E-Mail: \_\_\_\_\_ ARRL Member #: \_\_\_\_\_

Would you rather receive the newsletter via computer, instead of receiving it in the mail?  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). 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 going toward the Repeater Fund will be graciously accepted. 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>



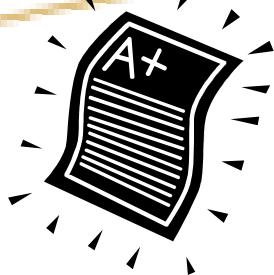
via our web page. No check or stamp needed.

# Amateur Radio Testing Sessions

## **Chewelah, WA, ARRL VEC**

February 1, 2014, 11:45AM; Abundant Life Church (Basement)m E 2nd & Clay St, Chewelah WA 99109-9660

Contact: Karl Miller, WX7DX: (509)258-8922 email: [wx7dx@arrl.net](mailto:wx7dx@arrl.net)



## **Coeur d'Alene (Hayden), ID, ARRL VEC**

second Monday of every month starting at 5:30PM at the Search & Rescue Building, 10865 N. Ramsey, Hayden, ID 83835.near the South end of CDA Airport

Contact John Hollar, Jr., N7JU, (208) 968-0703 email: [n7ju@roadrunner.net](mailto:n7ju@roadrunner.net)

## **College Place, WA, ARRL VEC**

Walla Walla University, 100 SW 4<sup>th</sup> 1<sup>st</sup> Door Bldg, Chan Shun Pavilion, Lecture Hall RM 154, College Place WA 99324-9999

Contact Mable Babbitt WB5AVH, (509)525-7003, email: [wb5avh@msn.com](mailto:wb5avh@msn.com)

## **Colville, WA, ARRL VEC**

Contact Tommy L Howe, (509)684-5565; email: [thowe@hotmail.com](mailto:thowe@hotmail.com)

## **Kennewick, WA, ARRL VEC**

3/16/14; 7/20/14; 9/21/14; 11/16/14; 2PM; Boy Scout Office, 8478 W Gage Blvd, Kennewick WA 99336-1075

Contact: Michael Tesky, KC7CCK (509)783-6236; email: [kc7cck@frontier.com](mailto:kc7cck@frontier.com)

## **Pullman/Moscow, WA, ARRL VEC**

Contact: Tom Storer, KI6DER, (509)334-6979; email: [KI6DER@AmSat.org](mailto:KI6DER@AmSat.org)

## **Spokane, WA, ARRL VEC**

Outpost (behind Conley's Restaurant) 12624 E Sprague Ave, Spokane Valley WA 99216

Contact: Mary Qualtieri, AA7RT, (509) 991-2192; email: [aa7rt@me.com](mailto:aa7rt@me.com)

## **Spokane, WA, W5YI VEC**

February 18, 2014; April 15, 2014; June 17, 2014; August 19, 2014; October 21, 2014; December 16, 2014; 7PM, Tuesday; 2nd Look Books, 2829 E 29<sup>th</sup> Ave Ste C, Spokane WA 99223, 509-535-6464 (at 29<sup>th</sup> Ave & Regal in Lincoln Heights Shopping Center)

Contact: Betsy Ashleman, (509)448-5821 email: [n7wrq@aol.com](mailto:n7wrq@aol.com)

Please bring two pieces of identification, one having a photo, radio license, if any, plus a photocopy, & any outstanding Certificates of Completion, plus a photocopy, & Social Security number or FCC Registration Number (FRN), and cash or check made out to the "ARRL" (\$15) or "W5YI" (\$14). If you pass a lower class license, you may sit for the next highest class on the same exam fee. You may retake any failed exam for an additional fee at the same testing session

# KB7ARA REPEATERS and IRLP/Echolink Nodes

Frequency / Callsign	CTCSS Tone	Location	Owners	RF Linked?
<b>Repeater:</b>				
146.74 Mhz / W7HFI	None	Kamiak Butte near Colfax and Pullman, WA	Bob-W7HFI Jay-N7ZUF John-W7OE	Yes - AK2O (223.90)
223.90 Mhz / AK2O	None	Stensgar (Stranger) Mt. Northwest of Spokane near Chewelah, WA	Karl-AK2O	Yes - Hub
147.38 Mhz / W7OE	None	Mica Peak, East of Spokane	John-W7OE	Yes - AK2O (223.90)
147.36 Mhz / KF7QLH	None	Stensgar (Stranger) Mt. Northwest of Spokane near Chewelah, WA	Glen-KF7QLH John-W7OE	No - Hard wired to hub controller
147.02 Mhz / K7HPT	None	Lookout Pass on the Idaho-Montana border	Mark-K7HPT John-W7OE	Yes - W7OE (147.38)
147.28 Mhz / KD7DDQ>	None	Pikes Peak, SE of Walla Walla	Ken-KD7DDQ Mark-K7HPT	Yes - AK2O (223.90)
443.125 Mhz / KB7ARA	D-Star Digital Voice Module B	Providence/Sacred Heart Medical Center in Spokane	Glen-KF7QLH Randy-W4LKS	No D-Star Only
1293.3 Mhz / KB7ARA	D-Star Digital Voice Module A	Providence/Sacred Heart Medical Center in Spokane	Glen-KF7QLH Randy-W4LKS	No D-Star Only
1249.0 Mhz / KB7ARA	D-Star Digital Data 128kbps Internet	Providence/Sacred Heart Medical Center in Spokane	Glen-KF7QLH Randy-W4LKS	No D-Star Data
<b>Links:</b>				
IRLP Node 3636 (KB7ARA)	None	East Tiger Mt, Issaquah, WA	Jack-W7HNH	Yes - K7NWS (145.33) & IRLP Reflector 9075
IRLP Node 3638 (KF7QLH)	None	South Hill, Spokane, WA	Glen-KF7QLH	Yes - AK2O (223.90) & IRLP Reflector 9075
IRLP Node 3282 (KF7QLH)	100 hz	Simplex Node on 147.40 Mhz, NW Spokane	Glen-KF7QLH	No - 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. The repeaters' frequencies, call signs, locations and owners are as follows:

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>



**Follow us on Facebook**

Like



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.

## KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION

**PO Box 30801**

**Spokane WA 99223-3013**