



# EASTERN ARIZONA AMATEUR RADIO SOCIETY INC.



EST. 1974

## Club Address:

EAARS  
P.O. Box 398  
Solomon, AZ 85551

www.eaars.com

**March 2015**

## Local 4H Club Semi-Finalist in ARISS Contact

Vail Vaquero's 4H club in Pima County is the first 4H club to offer amateur radio as a project in the State of Arizona. Most people have the misconception that 4H is all about animals. Although animal science is a major part of 4H, other programs offered by 4H include shooting sports, cooking, photography, technology, and communication.

At the insistence of my 14 year old daughter, I agreed to lead the project. While introducing the kids to the different aspects of ham radio they were very enthusiastic about the possibility of communicating with the astronauts aboard the International Space Station (ISS). I was asked by the youth in my group to submit a proposal to make the contact. So, in December 2014, I submitted a proposal.

In February, we were notified that our educational proposal was one of 15 in the United States that made it through the first phase. Of the 15 semi-finalists, 12 will be selected to make the contact. Here is a link to an article put out by AARL announcing the semi-finalists:

<http://www.arrl.org/news/view/ariss-selects-15-possible-iss-amateur-radio-contact-hosts-for-2015-events>

So what happens next? Well, we have to submit a technical proposal. This proposal will outline the equipment being used for the contact, the contact location and our media plan for getting the word out.

*(Continued on page 4 ARISS)*

## March Club Meeting

The bi-monthly general meeting will be March 17th, 7pm at the Thatcher Search and Rescue building, 630 S. Dusty Trail, Thatcher, AZ.

Come early (6:30pm) for snacks and a eyeball QSO or two...

### EAARS OPEN REPEATERS

PL 141.3 UNLESS NOTED OTHERWISE  
**ECHOLINK:** 614350 **IRLP:** 7787  
**HELIOGRAPH PEAK AT SAFFORD, AZ:**  
 146.860, 440.700 LINKED  
 146.900  
 145.010 PACKET  
**JACKS PEAK AT SILVER CITY, NM:**  
 145.210 LINKED  
**WEST PEAK AT FT THOMAS, AZ:**  
 145.350 ACCESS TO LINK TO NETWORK  
**PINAL PEAK AT GLOBE, AZ:**  
 145.410 LINKED  
**SOUTH MT AT ALPINE, AZ:**  
 145.270 LINKED  
**CABALLO MT AT TORC, NM:**  
 145.470 LINKED  
**GREENS PEAK AT SHOW LOW, AZ:**  
 146.700 LINKED  
**LITTLE FLORIDA AT DEMING, NM:**  
 147.060 LINKED  
**MULE MT AT BISBEE, AZ:**  
 147.080 LINKED  
**MT. LEMMON AT TUCSON, AZ:**  
 147.160 LINKED  
**GUTHRIE PEAK, AT CLIFTON, AZ:**  
 147.280 LINKED

# Welcome the New Boy Scout Hams!

WN7BSA, the Southeast Arizona Boy Scouts Wireless Association, and Boy Scout Troop 157 recently completed their winter Radio Merit Badge and FCC Technician licensing class. The youth members of our class consisted of eleven Boy Scouts and one 4-H member plus four Dads for a total of 16 students. The Boy Scouts were from eight different troops within the Tucson area and one scout was from Troop 653 in Mesa, AZ.

The amateur radio classes consisted of plenty of hands-on activity where the youth-students got to use signal generators, oscilloscopes, volt-meters and other electronic instruments that were completely new to the scouts. Instructors demonstrated some "very angry" electrons arcing and sparking when electrolytic capacitors were charged and discharged. The boys also had a hands-on lab in Ohms law.

All the students got to tour the "K3TYE Studios" and learn about the practical aspects of frequency, the relationship between frequency and wavelength, and how antennas are cut to specific wavelengths. The repeater networks were demonstrated and the students got to talk on some of the Arizona repeaters including the EAARS System and the Tucson area BART System . . . thanks guys.

After the course completion, the Radio Society of Tucson, K7RST, conducted a special volunteer examining testing session for the WN7BSA club on February 19th. Seven youth and four dads were on hand for the test. Ten students passed at the technician level. The sequence of call signs ran from *KG7RHH* to *KG7RHQ*.

All of the new operators will again be visiting the K3TYE studios where they will build and tune a two-meter J-pole antenna and learn how to put

( Continued on page 4 Scouts )

## 2014 Officers and Staff

eaarsofficers@eaars.com to email all officers.

### President

Dave Wells  
*N7AM*

### Technical Adviser

Milt Jensen  
*N5IA*

### Vice President

Dan Quaintance  
*AF7EF*

### Newsletter Editor

Steve Lane  
*KY7K*

### Secretary/Treasurer

Larry Griggs  
*N5BG*

### Net Manager

Chris Buchanan  
*N7JND*

### Helio Site Trustee

Joe Montierth  
*K7JEM*

### Net Control Operators

Rick *KE7EDP*  
Bob *KD7LMV*  
Karl *N7DMA*

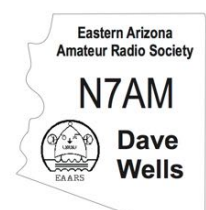
Angie *N7EMB*  
Chris *N7JND*

## Ideas Wanted!

As always I am looking for articles or ideas for articles for the newsletter. Without input from the readership I have no clue what you want in the newsletter, so I put what I find interesting into the newsletter. That may or may not be what you want to see, but if you don't speak up it is what it is...

## EAARS Badges

Club badges are now available, see:  
[www.eaars.com/newsletter/badges.htm](http://www.eaars.com/newsletter/badges.htm)  
For ordering information. Show your club colors!



# Ham License Testing

There are four monthly VE test sessions in the **Tucson Area**.

**Lighthouse YMCA / ARRL:** First Thursday  
Contact Matt, *AC7IL*, [veregistration@ac7il.org](mailto:veregistration@ac7il.org)

**Oro Valley / ARRL:** First Saturday  
Contact [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org)

**RST / Laurel (No Fee):** Second Monday  
Contact Diane, *AA3OF*,  
[dzimmerman2002@gmail.com](mailto:dzimmerman2002@gmail.com)

**Jacobs Park YMCA / ARRL:** Third Saturday  
Contact Fred, *K7OFA*, [k7ofa@arrl.net](mailto:k7ofa@arrl.net)

**Graham / Greenlee County Area**  
For VE testing on request, please contact Dave,  
*N7AM*, and he will arrange it.

**Technician License Class - Tucson**  
Every Tuesday, 6:30 - 9:00pm at TMC.  
Contact Dan, *KC7VDA* for info.  
[kc7vda@gmail.com](mailto:kc7vda@gmail.com)

## Coming Events

*Near and Far...*

- **ARRL International DX: Mar 6**  
SSB Contest  
<http://www.arrl.org/arrl-dx>
- **Run for the Bacon QRP: Mar 15**  
<http://fpqrp.org/pigrun/>
- **EAARS Meeting: Mar 17**  
7pm @ Thatcher Search and Rescue
- **Tucson Spring Hamfest: Mar 28**  
See flyer on page 5

## MARCH

sun	mon	tue	wed	thu	fri	sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Send Event and Calendar  
additions to  
[newsletter@eaars.com](mailto:newsletter@eaars.com)



## Items For Sale

Yaesu FT-897D

\$1000.00

Includes DTMF Microphone  
and Yaesu FC-30 Autotuner  
Works fine, from non-smoking home.

Contact Jon, *W1JTS*  
520-419-9900 or 520-385-1264

(ARISS from page 1)

There are two contact options, direct contact and tele-bridge contact. Vail Vaquero's 4H Ham Radio Project opted for a direct contact. I do not have the equipment necessary to make the contact so I reached out to our wonderful ham community and put a radio team together. I would like to thank *W7LB*, *K0WBG* and *K7BUM* for answering the call for help.

Larry Brown (*W7LB*) is the radio lead on the project. He has the equipment necessary for the contact and is basically the "go-to" guy for all things radio.

Mathias Gibbens (*K0WBG*) with *K7UAZ* is the lead on the technology portion of the contact. Our plan is to have live feed of the event so 4H'ers across the nation can be involved.

Mike Boger (*K7BUM*) is also part of our radio team. He will be assisting Larry and Mathias with whatever is needed.

We recently found out that one of the astronauts aboard the ISS Expedition 44 will be Scott Kelly, Mark Kelly's twin brother. If we are one of the lucky 12, we plan on making a big media deal out of it. What great exposure for our wonderful hobby and what an exciting possibility for the youth and the ham community.

To keep up to date on what is happening with the 4H Project check out our website:  
<https://pimacounty4hhamradio.shutterfly.com/>

For more information on Amateur Radio on the ISS, check out this website:  
<http://www.ariss.org/about.html>

Lani Dzicek  
*N3IDN*

(Scouts from page 2)

PL-259 connectors on coax. Listen for WN7BSA activity.

The class was conducted by Joe, *K3TYE*, and Mark, *N7SCG* and sponsored by the American Radio Relay League and Boy Scout Troop 157. Boy Scout Troop 157 is chartered by the Immanuel Presbyterian Church of Tucson, AZ. WN7BSA is active on weekends at many scouting campouts and other events.

Joe  
*K3TYE* Chief Op  
WN7BSA Trustee

## **QCWA Meeting**

**All hams are invited**

March 28th 11am Old Pueblo Grill just north of the Tucson Spring hamfest at Alvernon and Broadway

The speaker will be Cathy Hufault talking about the Haunting historical adventure drama, relays the harrowing accounts of rescue, survival, bravery and tragic loss. Nov. 15, 1958 an arctic-like blizzard roars out of nowhere across the mild desert terrain of southern Arizona. Boy scouts are feared caught out in the open, perhaps buried under the three to seven feet of snowfall in the mountains. Cowboys urge their horses through the chest high snow, hikers push through monster snowdrifts, and helicopters hover at dangerous altitudes in their struggle to find the boys before they die. Re-live the courage, true-grit and anguish on the trail. See and hear the role of Amateur Radio in the search and rescue.

Cathy's brother was one of the Boy Scouts that survived. This is a really good program.

***Please let us know if you will be attending. azQCWA@gmail.com***

Tom *K7DF*

# TUCSON SPRING HAMFEST

**Saturday, March 28, 2015**

**7 A.M. - Noon**



Hosted by:

Radio Society of Tucson



**FREE ADMISSION & PARKING!**

Map and information: [www.k7rst.org](http://www.k7rst.org)

- Seller set-up starts at 6:00 A.M.
- Vendors/Tailgaters pay \$10 per space
- Free Overnight Parking after 6:00 P.M. Friday

- ★ **PRIZES:** (1<sup>st</sup>) 50W Dual-band Mobile Transceiver  
(2<sup>nd</sup>) Dual-band Hand-held Transceiver
- ★ **Raffle Tickets:** \$2 each... 3 for \$5... 7 for \$10!
- ★ **Free VE Testing** (get licensed – all levels)
- ★ **GOTA Station** (demo fun – Get on the Air!)
- ★ **Hot Coffee, Tea & Donuts Available**



**Golden Corral Buffet & Grill**

**4380 East 22nd St – Tucson, AZ 85711**

(SOUTH PARKING LOT - JUST EAST OF COLUMBUS)

**Talk-in:**  
Repeaters  
146.800  
PL 156.7  
and  
145.250  
PL 156.7

# CARA Hamfest

**COME ONE - COME ALL**

**CARA HAMFEST MAY 2 SIERRA VISTA**

**OVER 10 RAFFLE PRIZES PLUS**

**TAILGATERS, VENDORS, FOOD TOUR THE**

**COCHISE COUNTY**

**MOBILE COMMUNICATION UNIT.**

**ADMISSION \$3 AND GET A FREE**

**RAFFLE TICKET!**

**TAILGATERS \$5/INSIDE TABLE \$10.**

**GATE OPENS 0700**

**SEE WWW. [K7RDG.ORG](http://K7RDG.ORG) FOR MAP AND**

**DIRECTIONS**

**COCHISE AMATEUR RADIO ASSOC.**