



# EASTERN ARIZONA AMATEUR RADIO SOCIETY

EST. 1974 INC.

**Club Address:**

EAARS  
P.O. Box 398  
Solomon, AZ 85551

[www.eaars.com](http://www.eaars.com)

**June 2015**

## XYL Summer Net!

Summer is upon us. I have been hearing about a few women receiving their ham radio license and/or upgrading but I don't hear too many on the radio. A few years ago my husband asked me to start a women's net. I told him he was crazy. I recently had a husband ask me to start a net to get his wife on the radio more. I joked around with him and let it go. But...here I sit thinking about it. Why don't I start a women's net? School is out. I am free. I know you can be free.

Leave the chores for him and join me **Monday Nights** for the **XYL Summer Net at 7:30 pm!** Ok, men, you are always encouraging us to get on the radio. I am doing my best to help you get your lady on. You are in charge of dishes or whatever chores are going on around 7:30 pm Monday nights. I am going to test ride this net for the months of June and July, starting June 8th and run through July 27th. Mondays for eight weeks! Just for us gals!

I am going to run this net similar to how I run my Sunday night net but less informal. If you are more comfortable with me calling on YOU, email me your name, call sign and location to [emberfire@cox.net](mailto:emberfire@cox.net). I will then call you the beginning of the net. Otherwise I will call for additional check-ins after I call my regular check-ins (if any) and you can check in then. I hope to make this a comfortable net where we can chit chat about a variety of things, not just radio! I hope to get more women to check in just for the fun of it!

*Men, you are welcome to listen but I am making this a **women's net only!** Thank you!*

Thank you EAARS for allowing us to utilize your system for this net. **You may check into this net on any of the eleven EAARS repeaters on Monday nights, starting 6/8/15 thru 7/27/15, 7:30 pm, AZ time.**

Ok, ladies, let's make this fun! Talk to you on the 8th! 73, *N7EMB* monitoring...

Angie Buchanan, *N7EMB*

### 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

# ARRL Field Day 2015

It's that time of the year again, FIELD DAY!

EAARS will be holding a Field Day event at Cluff Pond #3 South of Pima, AZ. Cluff pond is roughly 15 acres with a average depth of 20ft and contains Largemouth Bass, Rainbow Trout, Sunfish, Crappie and two species of Catfish. The pond is at approximately 3000ft elevation and is a really nice spot for swimming, fishing, hiking, and even some RADIOSPORT!

The club's air-conditioned bus will be on site to house the operating stations and GOTA (Get On The Air) for newly licensed hams or those without a license. An experienced Ham will be available to coach and help GOTA operators.

See [www.FD2015.info](http://www.FD2015.info) for more information and to signup,

Come out and join the fun! Field Day really is the highlight event of the year in the Ham world!

## Manufacturing of Synthetic Quartz Crystals

The Old School Way!

Amazing videos showing Synthetic Quartz crystal methods from the 1960s.

[www.youtube.com/watch?v=oFH8\\_uLzano](http://www.youtube.com/watch?v=oFH8_uLzano)  
[www.youtube.com/watch?v=fcu8Lz5PHMw](http://www.youtube.com/watch?v=fcu8Lz5PHMw)

Fascinating videos!

## 2015 Officers and Staff

[eaarsofficers@eaars.com](mailto:eaarsofficers@eaars.com) to email all officers.

### President

Dave Wells  
*N7AM*

### Technical Adviser

Milt Jensen  
*N5LA*

### Vice President

Dan Quaintance  
*AF7EF*

### Newsletter Editor

Steve Lane  
*KY7K*

### Secretary/Treasurer

Larry Griggs  
*N5BG*

### Net Manager

Chris Buchanan  
*N7JND*

### Site Trustee

Joe Montierth  
*K7JEM*

### ARCA Rep

Open

### Net Control Operators

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

Angie *N7EMB*  
Chris *N7JND*



## A BIG THANK YOU

We would like to send out a big thank you to Joe, *K3TTE*, for including the Vail Vaquero's 4 H club in his technician class. Joe is holding a technician class on Thursday evenings. He is a fabulous teacher and we are so lucky to have been included. So, **THANK YOU JOE** for dedicating your time!

The Vail Vaquero's 4H Ham Radio Project



## FCC Eliminates Amateur Radio Vanity Call Sign Regulatory Fee

The FCC is eliminating the regulatory fee to apply for an Amateur Radio vanity call sign. The change will not go into effect, however, until required congressional notice has been given. This will take at least 90 days. As the Commission explained in a Notice of Proposed Rulemaking, Report and Order, and Order ([MD Docket 14-92](#) and others), released May 21, it's a matter of simple economics.

"The Commission spends more resources on processing the regulatory fees and issuing refunds than the amount of the regulatory fee payment," the FCC said. "As our costs now exceed the regulatory fee, we are eliminating this regulatory fee category." The current vanity call sign regulatory fee is \$21.40, the highest in several years. The FCC reported there were 11,500 "payment units" in FY 2014 and estimated that it would collect nearly \$246,100. In its 2014 Notice of Proposed Rule Making (NPRM) regarding the assessment and collection of regulatory fees for FY 2014, the FCC had sought comment on eliminating several smaller regulatory fee categories, such as those for vanity call signs and GMRS. It concluded in the subsequent Report and Order ([R&O](#)) last summer, however, that it did not have "adequate support to determine whether the cost of recovery and burden on small entities outweighed the collected revenue or whether eliminating the fee would adversely affect the licensing process."

The FCC said it has since had an opportunity to obtain and analyze support concerning the collection of the regulatory fees for Amateur Vanity and GMRS, which the FCC said comprise, on average, more than 20,000 licenses that are newly obtained or renewed, every 10 and 5 years, respectively.

"The Commission often receives multiple applications for the same vanity call sign, but only one applicant can be issued that call sign," the FCC explained. "In such cases, the Commission issues refunds for all the remaining applicants. In addition to staff and computer time to process payments and issue refunds, there is an additional expense to issue checks for the applicants who cannot be refunded electronically."

The Commission said that after it provides the required congressional notification, Amateur Radio vanity program applicants "will no longer be financially burdened with such payments, and the Commission will no longer incur these administrative costs that exceed the fee payments. The revenue that the Commission would otherwise collect from these regulatory fee categories will be proportionally assessed on other wireless fee

categories."

The FCC said it would not issue refunds to licensees who paid the regulatory fee prior to its official elimination.



## Local 4H Club Selected for an ISS Contact This Summer!

The Vail Vaquero's 4H Club is one of twelve organizations in the United States that's been selected to make an ISS contact!!! The contact site is going to be held this summer in the theater at Empire High School.

Unfortunately, NASA cannot commit to an exact date but we do have a proposed week. The week of July 12 – 18, 2015 is week 19 of Expedition 44. This week is predicted to be a good week to make the contact. The contact date will be confirmed 7 – 10 days prior to the contact date. Once we have confirmation on a date we will make an announcement.

The Vail Vaquero's 4H Club would be honored to have you attend this exciting event. We are expecting to combine this event with a mini STEM career day. I am still working on establishing the program and will keep you updated on the progress. In the meantime, please check out our website to see what is going on with club. [pimacounty4hhamradio.shutterfly.com](http://pimacounty4hhamradio.shutterfly.com)

Hope to see the ham community at this exciting event!

Lani Dzicek, *N3IDN*

4H Ham Radio Project Leader





# Youth Corner



This new section is to introduce some of the younger operators on the EAARS Repeater Network. Some are new hams and some might have been licensed awhile, either way it's great to hear them out on the airwaves keeping us OFs inline...

Thanks to Lani, *N3IDN* and Joe, *K3TYE* and all the other Elmers/Instructors/Volunteers helping to bring this youthful renaissance to Amateur radio in Southern Arizona!

First up, Jake, *KG7RHJ*.

Jake is a very enthusiastic General class ham and is becoming a bit of a staple of the EAARS Network.

Hi, my name Jacob Weller I am a new Ham Radio operator. In fact I only got my license in February. I am in the only Ham Radio 4-H project in the state of Arizona. The project is based out of the Vail Vaqueros 4-H club.

In the time I have been a Ham Radio operator I have gotten the chance to witness and experience the joy of speaking to other ham radio operators around the state. You can talk to people of all walks of life, if you are just talking locally in your state or talking to people around the world, in other countries.

Before you can talk on the radio locally, nationally or internationally you must earn your amateur radio operator license. There are three license levels that you may earn; they are technician, general and amateur extra. One level is a little harder then the last. It takes a lot of dedication, you must study and gain knowledge about radio frequency, electrical circuits and FCC regulations.

If you are interested in earning your amateur radio operator license I would like to end this article encouraging you to go to [qrz.com](http://qrz.com) or various other amateur radio web sites that are available information about earning your license and testing.

Jake Weller  
*KG7RHJ*  
Age 15



# 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...

- **White Mountain Hamfest: Jun 6**  
See flyer this issue
- **ARRL VHF Contest: Jun 13-15**  
[www.arrl.org/june-vhf](http://www.arrl.org/june-vhf)
- **ARRL Field Day: Jun 27-28**  
[www.arrl.org/field-day](http://www.arrl.org/field-day)  
[www.fd2015.info](http://www.fd2015.info) (EAARS FD)
- **ARCA, Williams Hamfest: Jul 24-26**  
See flyer this issue

JUNE						
sun	mon	tue	wed	thu	fri	sat
31	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	1	2	3	4

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

## 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!



## For Sale

Kenwood TS-711A  
\$320.00

2M All-Mode with optional PL encode board  
Built-in Power-supply AC & DC operation  
Works fine, from non-smoking home.  
Contact Steve, *KY7K*  
[ky7k@arrl.net](mailto:ky7k@arrl.net)

# GUIDELINES FOR REPEATER USE

*or*

***Read it! Remember it! Practice it!***

The EAARS Network is a high traffic repeater system with a very large coverage area, and as such, we often need some reminders of proper operation. These guidelines are not intended to be hard and fast rules, but rather things to remember and consider when using the network or any repeater. Many of these things are common sense or common courtesy, so keep them in mind.

**Coverage:** The system covers several thousand square miles, in parts of three states and two countries. Remember to keep your conversations short and try not to monopolize the system. If you are close to the person you are wishing to talk to, and you are only wanting to talk with him, you might consider simplex or another repeater, if your conversation will last more than a few minutes. There is no reason to tie up multiple repeaters with extended one on one conversations when you are only a few miles apart. Remember to allow ample time between transmissions to allow for people to join the conversation. If you are not wanting to be interrupted, then the conversation might be better to have on the telephone. Remember that people everywhere can hear what you say, there is no privacy.

The system is designed to give priority to mobile operations, especially during morning and afternoon drive times. This may be the only time some people have to get on the radio, so defer to them as they travel to and from work. If you are operating from a fixed location, and have plenty of hours in the day to use the radio, then utilize the system during the slower times.

**Timing:** The repeater system is not instantaneous. There is a time delay from when you key the microphone to when the other parties will hear your audio. This typically is at least half a second or so. So, key the mic, give a short pause, then start your statement. If you say a single word or a short phrase, it may be clipped and not heard properly (if at all) on other repeaters in the system. There is a “beep” that occurs about a second and a half after a person unkeys. This is known as a “courtesy tone”, and lets others know that you have finished. You should wait for that beep before you start talking. This second and a half delay gives time for people to break in with emergency traffic, or just to add comments or join the conversation.

The repeater system has a “hang timer” of around five seconds. That is the time delay from when you finish talking to when the repeater transmitter drops off. In normal usage, the repeater doesn’t have to drop out, and you should not wait for it to drop. Wait for the second and a half, then the beep, then pick up the conversation. If you wait for the carrier to drop, it adds a lot of dead time to your usage.

The repeater also has an approximate 3 minute “time out timer”, which limits the amount of time any single transmission can last. If you transmit longer than that, the timer will cut you off. The timer affects the link transmitter, so when it times out, the rest of the system will act normally. If you are timing out the repeater on a regular basis, you need to rethink your conversations. This isn’t HF!

**Jargon:** Avoid CB style jargon and “hamisms”. This isn’t CB radio, so leave the “10-4s”, “seventy thirds”, “got your ears on”, (and any other stuff that is common on CB) off the network. Likewise, there are a lot of other things that come from ham radio that aren’t needed. You don’t need to use Q signals or other abbreviations that are meant for CW operators. We’re not sending code, so we don’t need things like “QTH”, “XYL”, or “HI HI”. Plain language rules on 2M FM, so use it! You don’t sound more like a ham when you say things like “Got to QSY to the dinner table, the XYL is wanting an eyeball QSO, hi hi.” Likewise, you don’t need to use the word “handle” when referring to your name, and certainly don’t use “personal”, as that is straight from CB. Just say, “the name here is Bob” (unless of course it is something else).

**Signal Quality:** We use FM on two meters. That means the audio quality is going to be pretty good, if you have a decent signal into the repeater. Your signal level is how well your radio is getting into the repeater. This is usually reported by the station you are talking to by referencing the amount of noise in the background, while you are talking. A good strong signal to the repeater will be reported as “full quieting” or “no noise on your signal”. A weaker signal might be reported as “readable, but has some (or a lot) of noise”. A very weak signal will be reported as “barely making it”, “in and out”, “hard to copy”, or some other report that indicates that the signal is poor. If your signal is not good, it is best to wait and continue your conversation when you get into a better location. Don’t force everyone to try and decipher a barely readable signal! Unless you are in an emergency situation, or need to get some urgent message through, just relax and try again later. You may be hearing the repeater fine, but that doesn’t necessarily mean that the repeater hears you as well. The repeater is fairly balanced when using a 25 to 50 watt mobile radio; if you are hearing it good, you will probably be getting into it about the same. But many people are using a 2 watt handie talkie, and that just doesn’t work well unless you are pretty much line of sight to the repeater. If you’re on an HT, and are getting poor reports, you might try a different location. Sometimes just a few feet will make a big difference.

Along with signal, audio quality and level are very important. If your transmit audio is too strong, or too soft, it will be hard to understand you. If you get reports of “low audio”, get closer to the microphone, or speak up. Many of the newer Chinese handheld radios are coming with somewhat low audio, and you may need to speak closely, clearly, and somewhat loudly in many cases. And get an external antenna for that HT if you plan on using it much in the mobile!

**Courtesy:** The repeater doesn’t belong to you, so you need to share it. Don’t feel obligated to interject comments into every conversation going on and if you do have a comment it should be related to the current topic! Likewise, don’t be surprised if someone breaks in to add some comments or information about what you’re talking about. If you need to break in, give your callsign. If you say “Break” or “comment”, the system is not likely to pick up fast enough so that everyone hears that single word. You may think you’re being ignored, but what really happened is that they did not hear you. Your callsign takes enough time that the system will pick up, and even if they don’t hear the whole call, they may pick up the last few letters and realize that someone is breaking in.

**Policing the Air:** If you hear someone you think is doing something wrong on the repeater, please, **DO NOT** confront or attack them. Send a message to [eaarsofficers@eaars.com](mailto:eaarsofficers@eaars.com) with date, time, calls and a brief description of the problem and the officers will investigate and deal with it. IF you think “they” are in violation then joining the conversation may also put you in violation. If it is a serious violation like “somebody taking requests and playing music on the club repeaters” then feel free to call *N7AM* day or night but, **PLEASE DO NOT** add to the problem by getting involved.

If you hear a new ham struggling, then explaining about the timers and waiting for the beep or pausing before they start talking, or offering general technical guidance *in a polite manner*, that’s great. (That means ask for a break, identify, and offer the assistance, not scream “wait for the beep” anonymously, *that is a violation*). Elmer to your hearts content. Most of the new users will appreciate it. If they tell you they don’t want to hear it then leave them alone!

**Doubling:** This happens when two people talk at the same time. What will happen is either that the audio will mix, and you hear both people, but can’t understand either one, or you will hear some interference that makes it hard to understand either transmission. To prevent this, try to make sure it is your turn to talk, and when you turn it over, say the person’s name or callsign. “Over to you, Tom,” or “Go ahead, K7XXX.” If you say, “Pick it up, someone”, then you are asking for multiple people to transmit.

**Identification:** Give your callsign as mandated by the FCC, every ten minutes, or when you clear off. You don’t need your call each time you transmit, if the transmissions are short. And don’t overuse phonetics for your name or callsign. If your name is Mark, people probably get that. You don’t have to say, “name is Mark, Mary, Adam, Roger, Kilowatt”, unless the people aren’t getting it right. You also don’t have to say, “K7XXX for identification purposes” or “K7XXX for ID”. What else would it be for?

**Jammers:** Occasionally there are unidentified people who will try to interfere with ongoing communications, play music, or hurl insults or profanity. **DON’T ACKNOWLEDGE THE JAMMER!** Carry on as normal, or clear off. The jammer is there to get a reaction from the users. You play into his game when you talk about him, challenge him, try to reason with him, or argue with him. **DON’T DO IT!** It is never appropriate to talk about jammers on the air. If it is recurrent or chronic, the control operators will take appropriate action. In most cases, control ops will do nothing, since it is the intent of the jammer to disrupt communications, and shutting down a repeater does just that. If you have the capability to monitor the input of the repeater, you can try that to see if you hear him. But don’t announce it over the radio, just log where you were and how strong the signal was on the input channel. Jammers have existed since the advent of ham radio, over 100 years ago. So, nothing new.

**Nets:** The EAARS network has several nets that meet regularly, at specified times. These nets are for some specific purpose, some are for general check in, others are for traffic handling. Although the nets do not have absolute priority, it is good practice to relinquish the repeater system if you are using it when the net is ready to start. You can finish your conversation when the net is through. If you are conducting emergency or priority traffic, the net will stand by for you.

**IRLP and Echolink:** The system has connection to internet based amateur radio linking. Another document on the EAARS website gives instructions on how to use this, and the protocols and procedures involved. If you use these connections, remember that you are tying up a large network, so keep your conversations succinct. Be courteous to other users. If you hear someone using these connections, please be courteous to them.

**Making a Contact:** If you want to make a contact, simply announce your callsign and say that you are monitoring or listening. You don’t need to repeat it several times. If someone wants to talk to you, they will give you a call. If you are listening to an interesting ongoing conversation, you can call one of the parties after they have cleared off. That’s a good way for newer hams to meet new friends. People will almost always respond to a direct call if they have the time. If you have a new radio setup or installation, you can ask for a signal report. Usually someone will respond. But don’t make a habit of it. That should be reserved for changes or new equipment. Listen first to how things run on the system, and emulate the good operators.

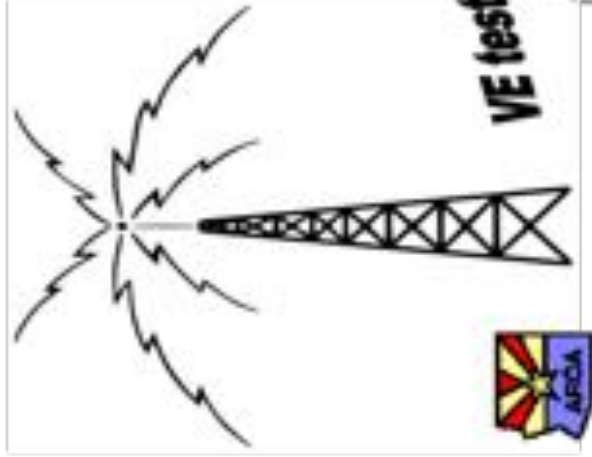
**Topic Content:** The EAARS network is an open repeater system with many users. Be respectful in your choice of topics. Controversial subjects are discouraged, as they tend to cause divisiveness. Do not engage in on air arguments with other amateurs, it serves no useful purpose. Do not let your emotions rule your words, think twice and speak once.

**Support:** EAARS is an open membership club, and sponsors all of the repeaters on the network. There is considerable cost involved with purchase, installation, maintenance, and ongoing services. If you use the system frequently, please join to support the system. The dues are only \$24 a year, so it shouldn’t be a burden on anyone. No one will be asked to leave, or refrain from using the repeater simply because they are not a member. If you hear a new user on the system frequently, encourage them to join the club and point them to our website.

[www.eaars.com](http://www.eaars.com)

*Changes and additions are in RED*





**VE testing 9AM**

**JUNE 6, 2015**



Contact: K-K  
kb9si@yahoo.com  
480-586-6303

**Tailgaters  
\$5/space**

**WHITE MOUNTAIN**

**HAMFEST**

**SHOW LOW, AZ**

**CITY HALL PARKING LOT**

**180 N. 9<sup>TH</sup> ST**

**Prize Drawings  
hourly and GRAND**

**Talk-In frequency  
145.31 - pl 110.9**



**Overnight RV camping  
available after 5:30PM Friday**



**Refreshments Available**



sanctioned event





## 2015 ARCA / WILLIAMS HAMFEST JULY 24, 25 & 26, 2015

ADVANCED NOTICE



*Presented by the Amateur Radio Council of Arizona  
and the City of Williams*



ADVANCED NOTICE

WILLIAMS RODEO GROUNDS, RODEO ROAD, WILLIAMS, AZ

GATES OPEN AT NOON THURSDAY, JULY 23 FOR SET-UP.

HAMFEST OPENS AT DAWN FRIDAY, JULY 24.

### FREE ADMISSION!

### JULY 26, 2015 - GRAND CANYON TRAIN TRIP

MEETINGS, SEMINARS, ACTIVITIES,  
COMMERCIAL VENDORS,  
HUGE SWAP, VE TESTS

### PRIZES

DOOR PRIZES EVERY HOUR  
RAFFLE TICKETS  
\$12 for \$20, or 3 for \$5.00

SATURDAY NIGHT BBQ DINNER  
AT RAILSIDE RV RANCH

RESERVATION INFORMATION  
available soon

SUNDAY GRAND CANYON TRAIN  
TRIP



Visit the ARCA Web Site  
[www.arca-az.org](http://www.arca-az.org)

Talk-In - 146.78 - (91.5 PL)

On-Line Reservation Available on Web Site Soon  
Or Call - 602.881.ARCA (2722)

## August 7-9, 2015

Albuquerque Marriott Pyramid North  
5151 San Francisco Rd NE  
Albuquerque, NM 87109

### 2014 Prizes (2015 is Similar)

Icom 7100  
Yaesu FT-450  
Elecraft KX3  
Kenwood TM-281  
Icom ID-880  
Yaesu FT-7900  
Yaesu FTM-400D

#### Hamfest Fees (Preliminary)

Pre-Registration	\$5.00
Includes 1 Free Prize Ticket	
Registration at Door	\$7.50
Extra Prize Ticket	\$2.00
Flea Market Table	\$15.00
Ham Table with Electricity	\$20.00
Commercial Booth	Call
Tailgate Space (1)	\$5.00
RV Space Per Night	\$10.00
Friday Night Mixer	\$12.50
Saturday Contest/EMCOMM Breakfast	\$17.50
Saturday BBQ Lunch	At Door
Saturday Evening Banquet	\$30.00
Sunday New Ham Breakfast	\$15.00

Rooms at Marriott Pyramid—\$89 + Tax  
<https://resweb.passkey.com/go/albuquerquecityhamfest>

Limited RV parking available on hotel grounds. No hook-ups available. Full service RV parks available nearby.

## Ham Radio Fun For Old-Timers & Novices

### New in 2015

Bigger & Better Than 2014  
New Venue & Better Floorplan  
All Activities Close Together  
Nicer Indoor Sales Area  
Tailgate Friday & Saturday  
Open All Day Friday  
Improved Friday Mixer  
New Saturday BBQ Lunch  
Good Equipment Auction  
Contest University  
FCC & New Rules Forum

### Themes

Building & Modifying Equipment  
Contesting  
Emergency Communications  
Attracting New Hams  
STEM Education & Ham Radio  
Hands-On Projects  
How to Get and Stay Active

#### Talk In Repeaters

Courtesy of Amateur Radio Caravan Club  
145.33 (-600 KHz, 100 Hz PL)  
444.0 (+5 MHz, 100 Hz PL)



### ARRL New Mexico

Regional Hamfest Serving

New Mexico  
Colorado  
Utah  
Wyoming  
West Texas  
Oklahoma  
Arizona  
Nevada  
Mexico



## Special Guest Speakers

### To Be Announced

ARRL Leadership

### Riley Hollingsworth (K4ZDH)

Retired FCC Enforcement Special Counsel

"Changes in FCC complaint procedures and how they affect Amateur radio" and "Our continuing duty to Amateur radio"

### To Be Announced

Contesting / EMMCOMM Community



# Albuquerque Duke City Hamfest

## Conference

The DCHF is a great source of information on all aspects of ham radio. Multiple simultaneous activity tracks with emphasis on current topics of interest to old hams and newcomers alike. Many popular forums will be repeated so as to minimize chances for conflicts.

### \*\* Contest Academy \*\*

HF, DX and Contesting  
EMCOMM & Public Service  
STEM, Education & New Hams  
High Altitude BalloonSAT  
AMSAT / Moonbounce EME  
ARRL, ARES & RACES Forum  
Builders & Makers Forums  
Teachers & Educators Forums  
SDR, D-STAR, FM, Repeaters  
Equipment Design & Fabrication  
Using Test Equipment, How to Solder  
Remote Operation, Building a Station  
MARS, CAP, SOTA  
Mesh Networking, Raspberry Pi

## Hamfest

The DCHF provides the best opportunities to see, feel and touch the latest new equipment, antennas, publications, and accessories. Check out our expanded new equipment and flea market area for bargains on used gear, components, hidden treasures, and goodies you did not know

### 2014 Dealers & Manufacturers

Ham Radio Outlet  
Yaesu • Icom  
Flex Radio • Elecraft  
DZ Kit • Ham Radio School  
Wired Communications  
RT Systems • CQ Magazine  
High Tech Liquidators  
Tactical Communications  
Southwest Antennas  
WB2CUK Products  
In Logis • Ham Crazy  
Daryl's Electronics of El Paso  
El Paso Antenna Co  
The Original Wireman  
CAIG Laboratories  
QRP Works • NM-Mesh  
ARRL • QCWA

## Activities

The DCHF is 3 days of ham radio fun for the learned and learning alike. Chew the rag with old and new friends, and visit our many socials, demonstrations and banquets. Bring the family and enjoy local attractions, museums, shopping

Good Equipment Auction  
Friday Mixer with Vendors  
Saturday Contesting Breakfast  
Saturday BBQ Lunch  
Saturday Awards Banquet  
Sunday STEM/New Ham Breakfast  
Near Space Balloon Project  
Tech/General License Review  
VE License Testing  
Specialized Modes Demo  
Skywam Class  
Hidden Transmitter Foxhunt  
Tours of Local Attractions  
Tour of Old Town Albuquerque  
Contests & Competitions



***Duke City Hamfest***  
Albuquerque, New Mexico  
<http://www.DukeCityHamfest.org>

For More Information

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