



EASTERN ARIZONA AMATEUR RADIO SOCIETY

EST. 1974 INC.



Club Address:
EAARS
P.O. Box 398
Solomon, AZ 85551

www.eaars.com

August 2015

Quentin, *N7QK* Recognized



Quentin, *N7QK* receiving a plaque in recognition of his many years of service to EAARS

Quentin Kavanaugh, *N7QK*, has served as vice president of EAARS for many years. So many we actually lost track of the exact amount, but estimate around 10 years.

Quentin was instrumental in helping Lon, *K7LON* our former president do many upgrades on our EAARS bus used for field day and other amateur radio activities. Quent filled in many times in the absence of our previous President. Quent was replaced earlier this year by Dan, *AF7EF* as Vice President.

We wish Quent success in his continued endeavors!

ISS Contact

PART DEUX
Don't Miss It!
August 22

ARISS Contact Video Link!

See flyer in this newsletter for details.

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

EAARS Picnic

2015

Announcing the annual EAARS picnic that will be held on Saturday September 19th. At Discovery Park in Safford. Start time will be 2:00 pm. This is the same location that we have had the picnic for the past few years. EAARS will provide the meat, sodas and water.

This is a benefit of your membership in EAARS. As such it is for **current paid up members** and their immediate family members, such as spouse, child. If you are in doubt of your current membership status, send an email to me and I will advise you of your status.

It is suggested that you bring your own utensils (Steak Knives) . However EAARS will be providing paper plates and plastic utensils.

This is an RSVP event, so that we know how much meat to have on hand. Please send an email confirming your intention to attend and how many in your party.

Email: lgriggs@aznexus.net

Please do so no later than September 10th. This is our cutoff date for ordering items.

If you want to bring something to share such as salad, desert, etc. there will be a table set up to hold these items. Those of you that have attended previously know the drill.

73 de Larry N5BG
EAARS secy/treas

2015 Officers and Staff

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
Please Volunteer

Net Control Operators

Rick KE7EDP
Bob KD7LMV
Karl N7DMA

Angie N7EMB
Chris N7JND



Williams Report

It was a nice little hamfest, I have been to bigger ones in Scottsdale and Mesa. The importance of it is that the Repeater owners meeting and the Annual ARCA meeting are there so we should be represented there. Will I go again, probably.

ARRL had several people there including section managers from, AZ, CA and NV. 2016 is the 100th anniversary of the national park system. ARRL is proposing an event like the *WIAW*? event where you would activate national parks. Repeater owners were griping about "repeater DXing" and suggests we discourage it due to all the noisy and unreadable signals. ARCA is going to be asking for help on the hamfests and other projects from member clubs.

The balloon launch was interesting, it burst at over 100,000 feet and we watched the TV camera all the way up and down (that'll make you dizzy) If I had programmed my HT I might have been able to work as far as Texas on the repeater on board, they have had Texas to California contacts before. Several commercial vendors there with parts, antennas, Chinese radios with programming service available but, no Yaesu, Icom, or Kenwood types. All and all a nice hamfest with some interesting seminars.

Dave, N7AM

Ladies Net A Hit!

Ladies, you ROCKED the Summer Ladies Net on Monday night! I am so proud of you! I am sure most of you were a bit nervous, but you did it! We even had some pretty good QSO's among ourselves. Thank you ladies for taking time out of your busy schedule to check in. I may not have gotten you to talk as much as I did, but getting you on the air was awesome!

The purpose of this net was to get licensed females on the radio and for us to get better acquainted with each other. It also gave us an opportunity to check our equipment, improve our operating skills and feel more relaxed behind the mike, just in case we are ever needed in an emergency situation.

I had a few interpretations of XYL *tossed* at me. I came to the conclusion that some emails just needed to be read and filed (file 13). It's just a name guys! Being pushed to run a casual net a certain way is not my thing! The intention of my net was for the ladies to have some fun and enjoy being on the radio. I am not your traditional kind of gal. I love originality! So you can always expect some fun and always a little crazy!

I wanted to thank you all who supported and listened to my ladies net! I also want to thank the EAARS Board members for approving and supporting my ladies net! With all your support we had 11 ladies check-in on the very first night! We have grown to 12! That tells me the newsletters, emails and radio communications work! Where can you reach so many with a few transmissions? **Radio is awesome!**

Now the good news! I loved hearing the ladies on the radio so much, that I decided to continue this net into the fall/winter season. We will do it as we ladies like, with breaks in between. Let's take the month of August off, regroup and rejoin on Monday, September 7 and meet through December 28, 2015 with our new name, **Gals Night Net!** So mark your calendars!

Gals Night

Fall/Winter Net – Sept 7th – Dec 28st

Monday's 7:30 PM AZ time

On any of the 11 EAARS repeaters (EAARS.COM)

This net is for licensed female hams ONLY! (Men you are welcomed to listen but you will not be allowed on the net unless you have emergency traffic. I want to continue to make these ladies comfortable.) You do not have to be a member of EAARS, though I encourage it. It is an awesome repeater system! If you would like a reminder of the Gals Night Net, send your email to emberfire@cox.net.

Again, thank you all for your support! I love hams! Most of you are truly sincere and so patient with us. Thank you for letting us enjoy our time on the radio!

73,

Angie Buchanan N7EMB

Vail Vaqueo's 4H Ham Radio Project

ISS Contact Attempt - July 15, 2015

ISS Contact Attempt

It all started on the morning of July 15th. It was a very cloudy day I remember thinking, hmmm is this going to effect the contact! We arrived at the school around 7ish, once everyone got there we discussed what we were going to do. Then we practiced our presentation.

After we were done practicing, we went and ate breakfast, everyone brought a couple of goodies so that was good!

Once we were done eating it was about time to go and do the presentation in front of everyone! So, we did the presentation and it was nerve racking but I enjoyed it!

After that we took a little break before the actual contact. We walked around, talked to everyone that kind of thing. After that it was time to make the contact YAY!!! The moment we have all been waiting for...all our work finally leads up to this moment! So, we got in our line and we were waiting, Larry was trying to get the ISS on the radio and after about 5 tries I think all of us knew it probably wasn't going to happen. He tried a couple more times and then informed us that the ISS had already passed over. I think we were all disappointed but then MS Lani said we would be able to try again so that made everything AWESOME! When were finished, we went out and looked at a couple of the booths that were set up and that was super fun! Over all the whole experience was a great one and I would do it all over gain in a heart beat!

On Saturday July 18, we met at the theater again to do some SSTV and monitor a contact with some kids in Texas. Even though it wasn't to us, it was very cool to hear Commander Padalka speaking to the students. I can't wait to talk to the astronauts aboard the ISS!!

Jerico Dzicek

Vail Vaquero's 4H President

What we did on July 15

We went to empire high school and we tried a I.S.S contact but failed the first time. We think its because the I.S.S was having problems with there H.A.M radio system. The second time we tried we had people from Texas do the contact. He asked the I.S.S Questions that the I.S.S was going to answer. We are Going to do it a 3'rd time and this time we hope we get the contact and talk to the cosmonauts.

Jacob Komper

Vail Vaquero's 4H Treasurer



Jake, Sitka and Jerico pulling the antenna to the roof of the theater. They had to raise it 50 ft.



Carl (KB7AZ) on the roof waiting for the tower.



ISS Contact Team

(Back Row) Anthony Sizer (Raytheon), Lani *N3IDN*, Curt (4H), Larry *W7LB*, Rick *W1GHE*, Council Woman Shirley Scott, Carl *KB7AZ*, Matt, Mike *K7BUM*

(Front Row) Jacob, Zane, Jerico, Max, Jake *KG7RHK*, Sitka, Mason

My Experience Attempting Contact

On July 15th the Vail Vaqueros 4H group had a chance to contact the ISS using a HAM radio. Before the contact we had to do a presentation. during the presentation it seemed like time was dragging on. We all wanted to get the chance to talk to people in space. The presentation felt like it was taking hours. I would look at the clock and think "It hasn't been five minutes since I last checked". After our presentation we all lined up in the correct order to ask the questions. Everything so far had gone perfectly just like we practiced.

The radio turned on and all we heard was static. The space station was still out of range. we waited for what seemed to be forever while on the screen the space station finally moved in range. The radio operator kept fine-tuning the frequency. Still we heard static, but then there was no static, it was the ISS's beacon. We all sensed we were close. I had butterflies in my stomach as I waited for ten minutes while I saw the space station on the screen slowly inch out of range. We had missed it. We never heard back from them, in fact nobody in the US heard them during the pass. My experience attempting to contact the ISS was extremely exhilarating and fun and definitely worthwhile.

Matt Fosdick

Vail Vaquero's 4H Recreation Chair

ISS Contact Rescheduled

Thank you all for your support and interest in the Vail Vaquero's 4H Ham Radio Project. As you all know, the contact last month was unsuccessful due to some radio issues on the ISS. We are scheduled to make contact with US licensed Astronaut Kjell Lindgren (KO5MOS) on Saturday, August 22 at 11:37 am. We plan on having a presentation at 10:30 am and a special guest speaker afterwards along with a mini STEM career day. KGUN Channel 9 and the Arizona Daily Star will be there as well. The event will take place at the Vail Theater of the Arts on the Empire High School Campus.

We plan on having a live feed again. We know that the video and audio feed was unexceptional on the last attempt. We are pretty sure we have those issues resolved. Once we have it set up I will email out the link.

It is important to understand that the time and date are subject to change at any time but right now that is the scheduled time. Hope you can all make it or at least tune in.

Lani Dzicek, N3IDN



4H Ham Radio Project Members



(Back Row) Jerico, Max, Lani
N3IDN, Zane, Jacob, Matt

(Front Row) Sitka, Mason, Jake
KG7RHJ

Vail Vaquero's 4H Ham Radio Project

Setup Team



(Back Row) Radio Team:
Rick *W1GHF*, Carl *KB7AZ*
Mathias *K0WBG*, Matt, Mike
K7BUM, Larry *W7LB*

(Front Row) 4H Members:
Sitka, Jerico, Jacob, Jake *KG7RHK*

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

Oro Valley / ARRL: First Saturday
Contact licensing@tucsonhamradio.org

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

Jacobs Park YMCA / ARRL: Third Saturday
Contact Fred, *K7OFA*, 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

Coming Events

Near and Far...

- **10-10 Summer SSB Contest: Aug 1**
Rules
- **NJQRP Skeeter Hunt!: Aug 9**
<http://www.qsl.net/w2lj/>
- **NAQP SSB: Aug 15**
<http://www.ncjweb.com/NAQP-Rules.pdf>
- **4H ISS Contact: Aug 22**
pimacounty4hhamradio.shutterfly.com

AUGUST

sun	mon	tue	wed	thu	fri	sat
26	27	28	29	30	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	31	1	2	3	4	5

Send Event and Calendar
additions to
newsletter@eaars.com

EAARS Badges

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



For Sale

Yaesu FT-897D XCVR
LDG AT-897 Autotuner
RT Systems ADMS-4B Programming
Software and cable
Kenwood PS-430 Power Supply
Contact Wally, *W0OGN*
w.prill@outlook.com

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 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

Changes and additions are in RED

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/albuqudukcityhamfest>

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 / EMCOMM 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

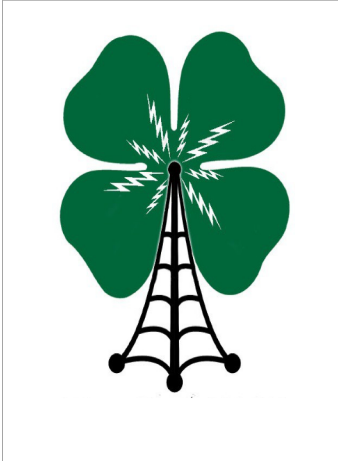
Good Equipment Auction
Friday Mixer with Vendors
Saturday Contesting Breakfast
Saturday BBQ Lunch
Saturday Awards Banquet
Sunday STEM/New Ham Breakfast
Near Space Balloon Project
Tech/General License Review
VE License Testing
Specialized Modes Demo
Skywarn Class
Hidden Transmitter Foxhunt
Tours of Local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

For More Information

Bill Ripley (KY5Q), Chairman
KY5Q@arrrl.net
(505) 503-7491



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



You're invited!!

WHAT: Vail Vaquero's 4H Ham Radio Project makes contact with the International Space Station!!

WHEN: Satuday August 22 @10:30 am (Contact scheduled for 11:37 am)

WHERE: Vail Theater of the Arts on the Empire High School Campus

WHO: We will be speaking with Astronaut Kjell Lindgren

Please join us for an Out of this World Experience!!!

Bring your family and friends....OR you can

Join us for live video feed <https://www.youtube.com/watch?v=UNsxi5aA5GU>