



The High Desert Dispatch



The WEEKLY PERIODICAL
FOR THE

HIGH DESERT AMATEUR RADIO CLUB OF NEW MEXICO INC.

"Celebrating over 20 years of service to the Amateur Radio Community and the General
Public as a non profit 501 (c)(3) charitable organization"

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Introduction from the President

Greetings,

I hope you attended our general membership meeting and workshop last Saturday. What a great time we had. It was charged with positive energy, smiling, and laughter. We got a lot accomplished. We have numerous new events being added to our clubs working agenda. I am sorry for the late arrival of this publication. But I have been working steadily since Monday through today on getting the ball rolling on what will be an exciting fall and winter season for the club. A Big 73 to Quartermaster Rob KI5NBN for leading the workshop this past Saturday. We will be adding another evening workshop for this build in August 2025 so those that did not complete the build can and those that want to start one or just pop into watch have that opportunity. More details within.

Over the next several months as I bring our membership into our new Groups I.O. account, I will also be working on a new look for the newsletter and bringing on a co-editor to help manage the publication.

Congratulations to the newest member of our HDARC leadership team, John Dodd KJ5KUF was elected to the open BOD Director position that was vacated last month. His term runs to February 2027. John, we are happy you have joined us on the leadership team.

I received numerous texts from member Bill Safieh KJ5LAJ. He has allowed me to share with you that he and his wife are ill. Bill was hospitalized and is in need of shoulder surgery. He has some antennas he needs help installing when the time is right. He will let us know when. He asks for our well wishes and prayers. I am sure he would love to hear from the membership.

Quartermaster Rob KI5NBN and I have set a new date of Sunday **August 24, 2025** for the Club Tailgate and Social (BBQ) in the ABQ area. I have secured a location. More details within.

We will be needing a volunteer to assume the duties of supplying coffee and donuts for our monthly membership meetings on the 3rd Saturday of every month. The club purchases all the items. Cynthia Beiser, KJ5FMW has been in charge of these duties for over a year. She has done a wonderful job. Thank you Cynthia. The new volunteer would assume the duties for the July 2025 meeting. If you are interested please contact me.

Here are some important updates for this week:

We will have a statewide Chat Shack Net this Saturday. Treasurer Mike NM5MC will be net control. There are numerous announcements in the Dispatch this week, Dr Fong Antenna Build, Club Home Brew contest, promotional items, and the QRZ jumpstart program for newly licensed technicians. Details within.

There is more information about our trip to Sunspot NM. UNM has reached out to us for assistance, advice and support with a group exploring an amateur satellite build, launching and tracking. Spaceport USA has invited us back to their open house.

We have several members who have contributed articles to the Dispatch this week.

We are beginning an adventure led by Marc KD6KR actively looking for “Sister Clubs” in Europe. He will keep us abreast of what is happening through a Travel Log as he explores Europe. More details inside.

Some members are already taking advantage of the admission reimbursement for the 2025 DCHF. Don't wait too long, first come first serve. More details inside.

You will notice that our Ad Hoc committee looking at how we engage Youth about HAM Radio has been formed and that Mike NM5MC is leading an effort to recruit

members who want to be involved in club sanctioned 24 hour field day events (contests). More details inside.

Our nightly sessions on the HDARC repeater at 1930 hours has been coined “HDARC 2 Night”. Come join the conversation. A big 73 to Quartermaster Rob for being on the repeater and providing a sense of order. We are getting quite the crowd every night. More info. inside

Join HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone. Laid back get together for chatting, telling jokes/riddles/puns and generally having fun. Each week is a new Net Controller so that volunteers can practice their skills as Net Control in a relaxed and supportive environment. They will also be hosting there monthly Luncheon tomorrow in Edgewood. Moe info. Inside

I hope to hear you on the Saturday Chat Shack Net, and nightly on HDARC 2 Night.

73 Mike KI5NBP



THE SOUNDER SECTION

“To join together by pressure, fuse together for strength”

Club Repeaters and Simplex Frequencies

The Club has Two Repeaters, 442.750+ PL 162.2 on Sandia Crest and 145.370 - PL 162.2 in Edgewood. The Club uses two Simplex frequencies, 146.460 and 446.025

Join the FUN, join the Club

Are you aware that the HDARC is one of the most active Amateur Radio Clubs in New Mexico? Well, it is! Read on and find out! Tell a friend! www.nm5hd.org

To become a club member go to www.nm5hd.org and click on the "become a member" tab to join the ever growing group of the coolest Hams in New Mexico, you'll be glad you did!



Join the ARRL



The American Radio Relay League, the ARRL, a non-profit organization, is the largest membership association of amateur radio enthusiasts in the United States. The ARRL represents the interests of amateur radio operators before federal regulatory bodies, the ARRL provides technical advice and assistance to amateur radio enthusiasts, it also supports a number of educational programs and sponsors emergency communications service throughout the country. The HDARC is an ARRL Affiliated Club and a ARRL Special Service Club. We encourage you to join. Click on this link: <https://www.arrl.org/membership>



Welcome New Members

Benjamin Makias - KF8ENA

Steve Muncy - NI5V

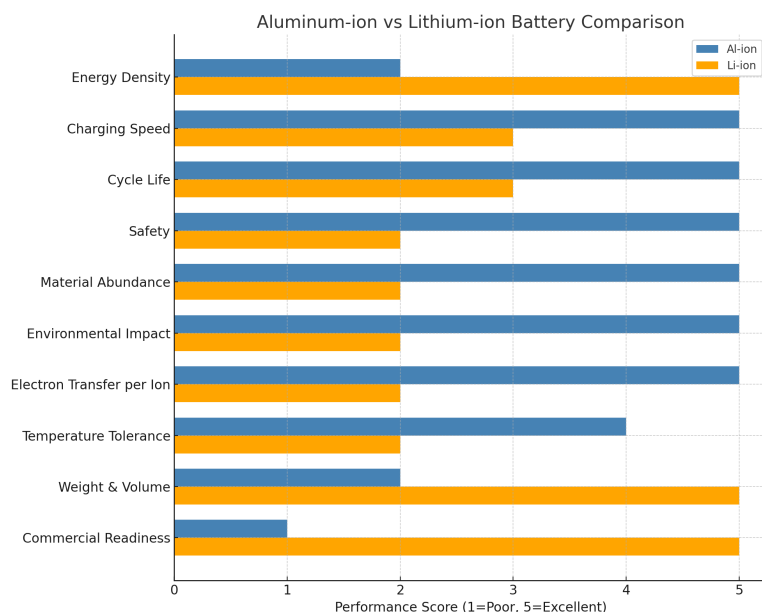
Mark Williams - KI5KAG

THE COUNTERPOISE SECTION

“To have an opposing and balancing effect ”

From the Elmer

(Thanks to Rob Summerhill, KI5NBN (No Bad News) for the heads up on this one.)



They are called Aluminum Ion (Al-ion) batteries, and (like the development of the transistor did) they are on the verge of transforming our electronics world in a major way. Many scientific labs, such as MIT, and Stanford (and even Sandia Labs is doing some associated studies), are researching the efficacy of the Al-ion battery. Results, thus far, are more than

promising. Expectations are that when commercially released, these batteries will enjoy a lifetime of 20 years plus (20,000 recharge cycles or more). It'll take a few seconds to a few minutes to recharge these batteries. The mileage per charge on an EV will be up to 650 miles. They are much safer than Lithium-ion batteries. Because aluminum is something like the third most common element found on our planet, they will not just be a whole lot cheaper than the Li-ion batteries, but they'll also be a whole lot easier to recycle.

Downside?

Well, right now they are heavier than the LI-ion battery, and they are not yet commercially viable. For hams, the development of the Al-ion battery is like

a dream come true. Imagine being able to charge your HT in less than a minute. Think about having such technology for everything from EmComm to Field Day to POTA. Because the range of temperatures the AL-ion battery can operate safely under, these are ideal tools for operating in severe weather disasters and crises. If you need your mountain-top repeater to operate when the power grid goes down, these batteries can be easily recharged using solar energy.

It goes without saying that this technological development is exciting, and will solve a whole lot of issues that the Lithium batteries currently have. Who knows?

Maybe 10 years from now, lawyers will be drawing up Last Wills and Testaments to include: “I leave my AL-ion batteries to my favorite nephew.” In any event, when the batteries become commercially viable, and you take a hike, you won’t have to worry about the spare battery pack you’re carrying in your back pack exploding.

**73 MaryAnn NS7X
Club Elmer and HDARC BOD Director**



By John KJ5KUF - BOD Director HDARC

Manned and operational, situated 75 feet underground is VE3CWM, a Canadian HAM station. This station transmits from the heart of a formerly secret nuclear bunker, designed to serve Canada as their site-of-governance in the event of a nuclear war.



The bunker affectionately known as the Diefenbunker is now the Cold War Museum, hence the callsign. The Diefenbunker resides in the village of Carp about 33 km to the southwest of Ottawa, Ontario, the capital of Canada. Officially known as Canadian Forces Station Carp, the facility was operational as part of the Canadian military's communication system

on a 24/7-basis for 32 years, from 1962 to 1994 before being decommissioned.

The bunker's name is a play on John George Diefenbaker (September 18, 1895 – August 16, 1979), who was the 13th prime minister of Canada. He served from 1957 to 1963. (See https://en.wikipedia.org/wiki/John_Diefenbaker for more information)

VE3CWM operates from the old emergency room of the Diefenbunker. The station is located in the Emergency Radio Room on the top level of the 4-story, 100,000 square foot underground facility. VE3CWM recreates the radio facility which operated from 1982 through to the end of the bunker's active military

service in 1994, under the call sign VE3GOC (Government Of Canada).

For the Government of Canada, amateur radio offered a vital emergency communications capability to keep in touch with otherwise isolated communities during times of emergency. *(And, it provided a wonderful means to discuss why those damn Maple Leafs lost another game.)*



The Diefenbunker radio station was equipped with VHF and HF equipment for local and long-range emergency communications. Much of the equipment shown in the photo is original to the station and was installed in 1982.

(Please see <https://www.ve3cwm.com> for a complete description of information provided in this article.)

If you are interested in visiting the Diefenbunker, please see <https://diefenbunker.ca/group-tours/>. Group tours are available from 9:00a to 4:00p, Monday through Sunday. Tours are 60 minutes long and are offered in English or French *(90-minute tours are available upon request, but are restricted to metric)*. The museum folks require a minimum of 2 weeks' notice for all bookings.

Tape Measure HF Antenna : A Parks On The Air Activation on Sandia Mountain at 9,186 Feet ASL.

By Rob KI5NBN - HDARC Quartermaster



Rob here, KI5NBN. Last week I assembled a portable antenna out of a Stanley 25 Foot metal Tape Measure. Yes, a Stanley Tape Measure. The tape has been extended out and verified at lengths that were resident on 20, 17, 15, 12, and 10 Meters. Paint was removed from the steel tape at the required bands and removed with a Dremel Tool and soft sanding wheel.

The portable antenna has outstanding SWR at 1:1.5 or lower to 1:1 depending on the band.

Domestic telephone wire of 22 gauge makes up a counterpoise of 16 wires 8 feet 8 inches long secured onto a wooded dowel and elevated 1 foot off of the ground. The counterpoise will help fine-tune the SWR by raising or lowering as needed.

The tape measure is secured on the ground and a mast is used to hoist up the tape to the desired marked band to be used. I use a homemade copper clamp to pinch the band section and with a short piece of coax with adapter, go to the radio and the counterpoise wires.





No UnUn or Balun is needed! You end up with an end fed vertical antenna that is very small and light.

I picked up Marc, KJ5HRY who also assembled the same type of antenna and we did a POTA Activation on Sandia Mountain at 9,186 feet in the pine trees. While the propagation was not ideal, we both made contacts around the U.S as well as Alaska and Ontario, Canada with 51 and 59 signal reports on average.



Travel Log: In search of a European Sister Club for HDARC

By Marc KD6KR- HDARC Special Projects Liaison



What's this European Sister Club thing, anyway? Got the idea since my wife and I go to The Netherlands/ Holland and Scotland about once a year to visit family.

Couple that with pretty much minimal success over the last two trips trying QRP HF and an HT plus all the recent strain on international relations, so I thought it's about time for some ambassador-ism. Especially, when almost every chat with Canada seems to start with an apology. We Hams have been spreading positive goodwill since Sam Morse started burning his fingers on a key! OK, you're right...Ben Franklin burned his fingers on a key, too!

Decided, why not invite myself to one or two of the clubs and get to know some of these folks? That mutated into, Heck, I'm not all that interesting, but why not create a sister club relationship and include everyone. (Way better solution!) With all the projects, fun stuff, and

laughter we experience here, why not share? Maybe even Canada's (VE's) and Greenland's (OX's) might eventually agree that most of us hams aren't all that interested in Imperialism!

So, when we go across the pond this time, I thought I'd explore meeting with the International Amateur Radio Union (IARU) guys, and ask for their suggestions as to which club(s) might be interested and a good fit? This should be interesting as we might share our monthly meetings on DMR, could even try Zoom once a quarter. Am sure we'll have an agenda and grow from there.

Lemme ask the question again... What is this European Sister Club thing, anyway? It's about...

- Expanding our world and theirs in comradery, understanding, and knowledge
- Sharing experiences and gaining perspectives from others
- Listening, asking questions, and being polite and respectful of other views
- Extenuating influences, e.g., career choices and life-long friendships
- Recognizing our ambassador cred's as we regularly communicate between countries.

All it takes is, "Great QSO! Let's set a sked and meet back here next week, same-time same-station"

Note: Marc is crossing the pond soon. I have asked Marc to submit to the Dispatch updates and photos as he journeys to Europe on this mission. We look forward to your updates Mark! 73 Mike KI5NBP

Amatuer Radio News on the World Wide Web

Amateur Radio Newslite: <https://www.arnewslite.org/>

ARRL News: <https://www.arrl.org/news>

THE CHAT SHACK SHEET SECTION

"Reaching out to each other through the art of verbal dialogue"



Saturday CHAT SHACK NET/MegaLink

Saturday 10 A.M. STATEWIDE CHAT SHACK NET will use the 444.325 + PL 100 and the 145.290 - PL100 on Sandia Crest in order to access the MegaLink system.



NM5HD Net Controllers :

1st Saturday, John Gleason, K5JVG

2nd Saturday, Mike Smith KI5NBP

3rd Saturday, Club Meeting. No net

4th Saturday, Mike Chirin, NM5MC

5th Saturday, Open for a volunteer.

The NET Controller for this Saturdays session is NM5MC Mike HDARC Treasuer,

You can reach this Net from any part of NM because of its design. You just need to be on the right frequency, offset, and PL tone for the local repeater closest to your location at the day and time of the net. For current mega link frequency information go to www.nm5ml.com. If you're having issues programming your radio email hdarcpres@gmail.com. You will be directed to someone in the club that can help you. Please [click here](#) to see the operational status of NM5ML Mega Link Repeaters.

V.P. John K5JVG is the Committee Lead for HDARC Net's.

Please consider trying the Net Controller experience. Contact John K5JVG if you are interested. You will be mentored and try it once to see if you like it. No commitments.

HDARC 2 Night



We now have a name for the nightly conversations on our repeater “HDARC 2 Night”. On any night at 7:30 PM Local time tune *into 442.750+ PL 162.2 on Sandia Crest, the HDARC repeater and call in with your call sign and see if you can strike up a conversation. Even though this* is not a NET we need a sense of decorum. Please follow

these procedures:

- Do not short key each other
- If you are involved in a QSO, *every 5 minutes or so during the QSO check to see if anyone else would like to join the conversation.*
- Don't forget to announce your callsign at least every 10 minutes when engaged in a conversion.

There are great exchanges happening, come join the conversations and camaraderie.

BRAVO SIERRA NET

Join HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone. Laid back get together for chatting, telling jokes/riddles/puns and generally having fun. Each

THE REPEATER SECTION

“Receive and retransmit a communication signal”

HDARC Field Day 24 Hour operations team- Members Needed

We have had success with our public front exhibitions to demonstrate the purpose and utility of HAM radio (E.g.; Schools, museums, events, and the next an invite to exhibit HAM at the Spaceport USA open house 2 years running). Some members have expressed an interest in forming a HDARC Field day team to operate for the normal 24 hour periods. I'll say those words you shouldn't, contest, compete etc. Treasurer NM5MC Mike C is leading the effort to form such a team for HDARC. We will still keep our exhibition team/approach intact. The club has enough equipment and access to equipment to supply both the contesting and exhibition efforts. Adding this layer will just enhance the member experience and operation capability of the Club .Please contact Mike NM5MC if you are interested in participating in the 24 hour Field Day experience.



2025 SPACEPORT AMERICA OPENHOUSE

I received an email today from the Spaceport America operations team that we are invited for the second year to put on a HAM radio exhibition for their open house on Sunday September 21, 2025 at Spaceport America in Upham NM (between T orC and Hatch). I will get with those of you that have

already signed up to be a part of this experience. We have room for more members and guests to come along. This is a great experience. If the timelines hold the same as last year anyone going as a part of HDARC will have to be at the Spaceport America entrance gates at 0800 hours local. The event runs 2 cycles from 1000 to noon and noon to 1400 local. Last year most of us arrived the afternoon before in T or C had dinner together, got hotel rooms and caravanned over to Spaceport America. If you wish to come along for the event email me at hdarcpres@gmail.com. The following callsigns have already signed up to participate with the club at the event:

KG52R AG5UY KI5NBN KJ5ATL N9DCS WA5YUL
KI5NBP KJ5KF6 KC2LM

If your callsign does not appear contact me. Stand by for special instructions.

HDARC Youth Outreach Planning Ad-Hoc Committee

The following callsigns have agreed to participate in my Ad HOC Committee to address how we engage youth as a club about getting involved in HAM radio and outline a plan for a workable approach:

KI5YIF KC2LM KJ5KFG AG5UY K5JVG KJ6KUF

You will hear from me soon. Our first meeting will be by ZOOM.

UNM Outreach for assistance on Sat Comm.

This week we received an email from Elizabeth Witney, President of the Small Satellite Group at UNM. They are designing a Balloon Sat in a 1U CubeSat form factor which will be utilized to provide students with hands-on experience of mission concept design and fabrication.

Elizabeth states in her email with COMMS being such an essential subsystem of a satellite, they are wanting to have some form of communication with the BalloonSat and mimic a ground station. They are leaning towards utilizing amateur radio and an SDR for this system. This is very uncharted territory for her and the group. They wanted any advice on how we should tackle this problem. No one working on their project has ever touched the comms side of the equation. I want to thank HDARC member Ed KC2LM for answering the call and offer some initial advice to the Elizabeth and her design team. I offered whatever assistance we could as a club to advise and teach the HAM side of their build. I am awaiting a response. Stay tuned.

HDARC and Sandoval County ARES - MOU

As I mentioned in my president's introduction a few weeks back, I am making a direct effort to find area HAM clubs that:

- share our membership base
- and represent the interest of our membership and overall club's direction.
- Operate under a similar management structure as a 501c3
- is willing to share expertise and resources
- has similar philosophical/organizational values

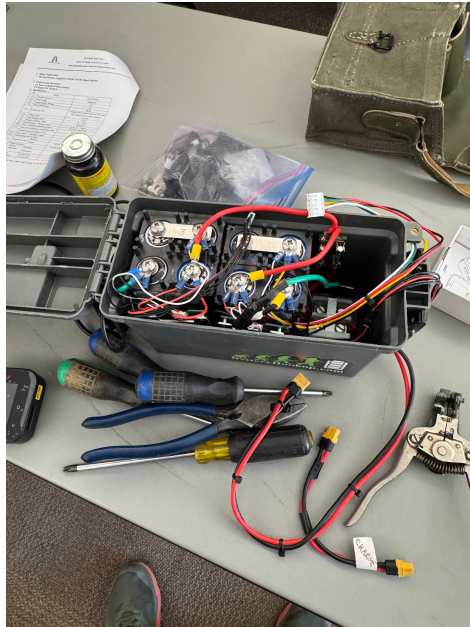
Sandoval County Amateur Radio Services meets all those bullet points. Over the next few months SCARES President and HDARC member Gary K5BIQ and HDARC President and SCARES member Mike KI5NBP will be exploring this possibility and drafting a

Memorandum of Understanding to share with both organizations for possible ratification. The process will involve these steps:

- **Identifying broad areas of commonalities and areas of strength and improvement opportunities for both organizations.**
- **Draft a document that can be presented to both leadership teams for discussion and review.**
- **Present the draft to both memberships as a whole for input**
- **Refine the final document**
- **Present the final document to both Boards of Directors for vote**
- **Once passed by both BOD publish the document to both membership bases for review and comment**
- **Bring the final document to both memberships for ratification**

I look forward to working with Gary and both leadership teams in making this happen. This approach can only strengthen both clubs.

AMMO CAN LIPO 4 Portable Battery Pack Build Workshop **REPORT**

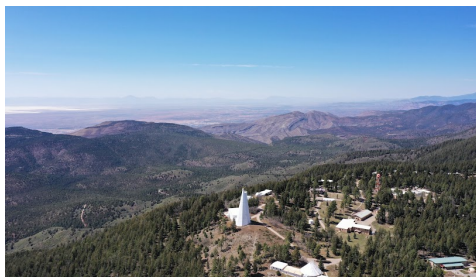


The club held a LIPO4 Portable Battery Pack Build Workshop led by HDARC Quartermaster Rob KI5NBN as part of the July 2025 General Membership Meeting. Here are some pictures to show how much fun we had and what was accomplished. A big 73 to Rob KI5NBN and all those who participated.



Such a good time happened that we have to schedule a second session during a weeknight in August 2025. This will allow for testing of the builds, a few to finish the builds, and even a few to start or just observe. Date, time and location to be announced soon.





National Solar Observatory
Sunspot NM
Hamming Around New Mexico
September 6, 2025

Note: This adventure is coming up fast and filling up fast. Some of us are arriving the night before and staying in Alamogordo NM. If you plan on staying in Alamogordo the night before by email. This is a chance for us to get together for dinner for those who wish. . I need a head count to reserve a restaurant that will accommodate our needs. Marc KD6KR will be delivering a brief pre-trip presentation at our August General Membership meeting.

Here is another exciting “Hamming around New Mexico” opportunity. HDARC will be visiting “The National Solar Observatory” in Sunspot NM on Saturday September 6, 2025. We are scheduled for a private 2 hr behind the scenes tour and private presentation by Dr Sean Sellers, Astronomer at Sunspot. Sunspot NM is located in the Sacramento Mountains south of Cloudcroft NM in the Lincoln National Forest. Sunspot NM is 257 miles from Albuquerque. Google maps shows it would take 4 hours and 15 minutes by the fastest route. The schedule is being worked on. The intent is to have the tour and presentation in the mid afternoon. This would provide us a chance to operate on site in the morning for those arriving the night before. Accommodations are available in Ruidoso, Mescalero, and Alamogordo. Remember this is the summer time and these are big tourist towns. A big 73 to Marc KD6KR coordinating this event. [If you](#)

would like to attend please save a spot early and email me at hdarcpres@gmail.com. The link to the Observatory is: <https://nso.edu>

The following callsigns have registered to participate in this adventure:

KD6KR	KI5NBP	AG5UY	N6SIK	N6TYT	KI5NBN
NM5MC	K5JVB	WA5YUL	N1NVK	KJ5ICW	KJ5JMK
KG5ZRU	KJ5LAK	WD5EQY	KI5UIT	K5WEZ	KG5WED
KJ5ATL	KI5NBN				

If your callsign does not appear above and you registered please email hdarcpres@gmail.com

Lodging Info: Those of you that wish to stay overnight in Alamogordo NM on the Friday September 5, 2025 or Saturday September 6, 2025, Marc KD6KR has made arrangements with Super 8 Motel for a group rate of \$77.00 per night. The regular rack rate is \$99.00 plus. When you make your reservations mention our club for the special rate. More details to come.

2025 DUKE CITY HAMFEST - HDARC Member Admission

The membership decided that the club will reserve \$500.00 to purchase entrance fees to the hamfest for members. The registration fee is \$20.00 per person. We will be covering 25 entrance fees. The executive team members will announce at the next membership meeting how we wish to proceed with distribution/reimbursement. The following members callsigns have already submitted a receipt for Reimbursement: **WD5EQY**



HDARC EAST MOUNTAIN GROUP

The HDARC East Mountain Group will be holding their monthly luncheon/meeting on August 15, 2025 at Lil Mama's Restaurant located at 150 NM-344 A, in Edgewood, NM 87015. Start time is 11:30 AM. All are invited to attend. Contact Club Quartermaster/East Mountain resident Rob KI5NBN if you have any questions.

<https://menushenu.com/lil-mamas-restaurant-edgewood-menu/>

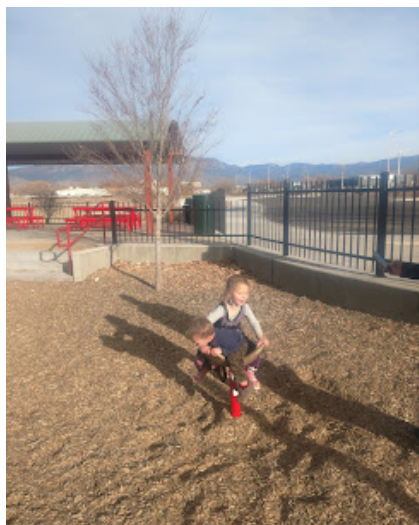
BRAVO SIERRA NET: Join HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone. Laid back get together for chatting, telling jokes/riddles/puns and generally having fun. Each week is a new Net Controller so that volunteers can practice their skills as Net Control in a relaxed and supportive environment.

HDARC Tailgate and SOCIAL (BBQ)

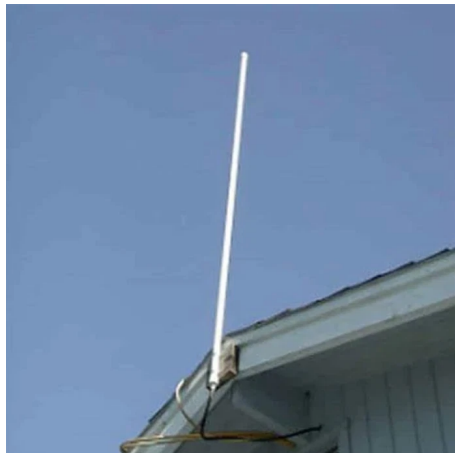
NEW DATE: Sunday August 24, 2024 Vista Del Norte Park
1000 to 1400 local (Under the canopy).



Our inventory is bursting at the seams. We are in the planning stages of having a Club Tailgate and social (BBQ) on Sunday August 24, 2025 at Vista Del Norte City Park 1005 Osuna NE cross road Vista Del Norte NE under the pavilion. This is a great opportunity for members to find a great bargain and visit with each other over a hot dog/ hamburger/chips/soft drink. Members are more than welcome to bring a few items they wish to sell or barter with. More details to follow. There is ample room to park and porta potties at the north end of the park. If you have questions or wish to volunteer to help email hdrcpres@gmail.com.



Dr. Fong Dual Band HAM Antenna DBJ-1 Build Workshop November 2025- NEW



HDARC Member John Dodd KJ5KUF made a proposal to the membership that would arrange for Dr. Edwin Fong Professor and PhD of Electrical Engineering at the University of California Santa Cruz to present via zoom to the club about his antenna designs. John has bought ten(10) of Dr. Fong's VHF/UHF kits for the club to assemble and members own. Thank you John for your generous donation. I have reached out to Dr. Fong directly and we are working out the details

for a Zoom presentation in conjunction with an antenna build workshop during the November 2025 membership meeting. He has agreed to present via zoom on November 22, 2025.

There will be 15 antenna kits available for members to build and keep. Starting at the August 2025 membership meeting those members in good standing who wish will be able to put their name and callsign in a drawing to get one of the fifteen FONG antennas to build at the workshop and keep. In addition any newly licensed technician from January 2025 till present who tested with our V.E. is eligible for the drawing. This build is simple. We are adding a testing component so the operator becomes familiar with the use of amateur radio related testing equipment. John Dood KJ5KUF has agreed to lead the build.

For more information about Dr Fong and his antennas click on this link

<https://edsantennas.weebly.com/>

HDARC Club Home Brew Contest/Exhibition January 2026 - NEW

The inaugural HDARC homebrew contest is an exhibition of amateur radio related equipment that is built by a licensed amateur radio operator. Typical items are transmitters, receivers, antennas, accessories, or complete transceivers that are fully functional and used on the air. It can be built from a kit or totally from scratch. We have had a year of workshop builds and have seen what others have built. Now is a chance for us to see it all at once in one location and celebrate these accomplishments. This contest/exhibition will be open to all licensed amateur radio operators. Get your build ready! More information to come.

THE CONNECTIONS SECTION

“a relationship in which a person, thing, or idea is linked or associated with something else.”

Test Equipment Loaner Program for Members

HDARC Director Harvey Dove KI5YVY is the lead for this program. *A copy of the program outline and how to contact Harvey to request a loaner is posted on the home page of NM5hd.org. Click on this link: https://www.nm5hd.org/_files/ugd/d9cb96_5fe894d5a99c434191712575def6987b.pdf*

The current inventory of loaner test equipment includes:

- MFJ -263 Dummy Loads
- MFJ - 802B Field Strength Meter
- RigExpert AA-650ZOOM Antenna Analyzer



We CURRENTLY have five donated pieces of test equipment. Please consider if you have a piece of gently used and functional test equipment you can donate for this program. The next purchase of test equipment for the program will include RF noise detectors (MFJ 805). An MFJ 259 Antenna Analyzer was donated by Roger K5RPE. 73
Roger

We are looking for volunteers to help us make in house instructional videos to demonstrate how to use each piece of test equipment. Your role would be to be the on air talent. Other members would assist in creating the storyboards, help writing the script, recording, editing, and posting. If you have the hands on knowledge, help us share that with other club members.

RT Systems Programming Software Available for Use

The club has in its possession the following RT Systems programming software available for use:

- Icom-2730
- Alinco-635
- Yaesu FT-60
- Yaesu FT-2900
- Yaesu FTM-6000

Please contact Past President David Ham N6SIK if you wish to use them at n6sik@arrl.net

HDARC Member Name Badges/Hats/Shirts-New



I have been asked by members how to purchase a HDARC Membership Badge. [Click Here](#) to be directed to our vendor's web store. *The site is fully operational again.*



HDARC Shirts,hats,and other Club gear can be ordered from Rio Rancho T-Shirts, 1207 Golf Course Rd SE Ste F, Rio Rancho, NM 87124. Speak with Wayne or Penny at: (505)



891-1521.



HDARC Promotional Items: You have recently seen the Promotional Items made by Shirley Godfrey for HDARC.

- Band Plan Tumbler
- Patch
- Mouse Pad

All are customizable with your call sign.

sjgodfrey@aol.com

Club Calendar
July - September 2025
SAVE THE DATES

July 2025

Friday June 25, 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone.

Saturday June 26, 2025 10:00 A.M.: HDARC NM5HD
STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Club Treasurer Mike C NM5MC is our net controller.

Wednesday July 30, 2025 Noon: Club ZOOM Lunchtime Chat
Room. Click on the link below to enter the virtual room.
[https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3
MATidQmEsJb31DoVnR.1](https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1) PIN 737373

August 2025

Monday - Sunday Evenings all Month 1930 -2030 hrs:

***“HDARC 2 Night”* casual net, HDARC Repeater 442.750+ PL 162.2 on Sandia Crest**

Friday August 1, 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone.

Saturday August 2, 2025 10:00 A.M.: HDARC NM5HD
STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Club V .P. John K5JVG. is our net controller.

Wednesday August 6, 2025 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.
<https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1> PIN 737373

Friday August 8, 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone.

Saturday August 9, 2025 10:00 A.M.: HDARC NM5HD

**STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Club President Mike KI5NBP is our net controller.**

**Wednesday August 13, 2025 Noon: Club ZOOM Lunchtime
Chat Room. Click on the link below to enter the virtual room.
[https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3
MATidQmEsJb31DoVnR.1](https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1) PIN 737373**

**Thursday August 14, 2025 11:30 AM - 1:00 PM : HDARC
East Mountain Group monthly luncheon/meeting at Lil
Mama's Restaurant located at 150 NM-344 A, in Edgewood,
NM 87015. All are invited to attend. Contact Club
Quartermaster/East Mountain resident Rob KI5NBN if you
have any questions.**

<https://menushenu.com/lil-mamas-restaurant-edgewood-menu/>

**Friday August 15, 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra
Net on the Raven Road repeater in Tijeras every Friday at 8
pm @ 146.720 (-) 100 Hz Tone.**

Saturday August 16 ,2025 10:00 AM -2:00 PM: Monthly in person membership meeting and Presentation. : Bill Mader K8TE “Better DX Chasing” Followed by V.E. Testing.

**Location: North Domingo Baca Multigenerational Center Room #4
7521 Carmel NE Albuquerque, NM 87113.**

**Wednesday August 20, 2025 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.
<https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1> PIN 737373**

Friday August 22, 2025 2000 hours : BRAVO SIERRA NET HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone.

Saturday August 23, 2025 10:00 A.M.: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. Club Treasurer Mike C NM5MC is our net controller.

Sunday August 24, 2025 10:00 A.M. to 2:00 P.M.: HDARC

Tailgate and BBQ Social. Location Vista Del Norte Park 1005 Osuna NE in ABQ.

Wednesday August 27, 2025 Noon: Club ZOOM Lunchtime

Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1> PIN 737373

Saturday August 30, 2025 10:00 A.M.: HDARC NM5HD

**STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Net Controller TBA**

September 2025

Monday - Sunday Evenings all Month 1930 -2030 hrs:

***“HDARC 2 Night”* casual net, HDARC Repeater 442.750+ PL
162.2 on Sandia Crest**

Wednesday September 3, 2025 Noon: Club ZOOM

**Lunchtime Chat Room. Click on the link below to enter the
virtual room.**

<https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1> PIN 737373

Friday September 5 , 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra
Net on the Raven Road repeater in Tijeras every Friday at 8
pm @ 146.720 (-) 100 Hz Tone.

Saturday September 6, 2025 10:00 A.M.: HDARC NM5HD
STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Club Vice President John K5JVG is our net controller.

Saturday September 6, 2025 10:00 AM.: HDARC visits the
National Solar Observatory in SunSpot New Mexico. Tour and
private lecture. Details within the Dispatch.

Wednesday September 10, 2025 Noon: Club ZOOM
Lunchtime Chat Room. Click on the link below to enter the
virtual room.
[https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3
MATidQmEsJb31DoVnR.1](https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1) PIN 737373

Friday September 12, 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra
Net on the Raven Road repeater in Tijeras every Friday at 8
pm @ 146.720 (-) 100 Hz Tone.

Saturday September 13, 2025 10:00 A.M.: HDARC NM5HD
STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Club President Mike KI5NBP is our net controller.

Wednesday September 17, 2025 Noon: Club ZOOM
Lunchtime Chat Room. Click on the link below to enter the
virtual room.
[https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3
MATidQmEsJb31DoVnR.1](https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1) PIN 737373

Thursday September 18, 2025 11:30 AM - 1:00 PM : HDARC
East Mountain Group monthly luncheon/meeting at Lil
Mama's Restaurant located at 150 NM-344 A, in Edgewood,
NM 87015. All are invited to attend. Contact Club
Quartermaster/East Mountain resident Rob KI5NBN if you
have any questions.
<https://menushenu.com/lil-mamas-restaurant-edgewood-menu/>

Friday September 19, 2025 2000 hours : BRAVO SIERRA NET
HDARC East Mountain Group members on the Bravo Sierra
Net on the Raven Road repeater in Tijeras every Friday at 8
pm @ 146.720 (-) 100 Hz Tone.

Friday - Sunday September 19 - 21, 2025 Duke City Hamfest

Sunday September 21, 2025 Spaceport America HDARC

Exhibition: 0800 -1500 hours. Upham New Mexico

Wednesday September 24, 2025 Noon: Club ZOOM

Lunchtime Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/82410741347?pwd=kXb9i18t3bc3MATidQmEsJb31DoVnR.1> PIN 737373

Friday September 26, 2025 2000 hours : BRAVO SIERRA NET

HDARC East Mountain Group members on the Bravo Sierra Net on the Raven Road repeater in Tijeras every Friday at 8 pm @ 146.720 (-) 100 Hz Tone.

Saturday September 27, 2025 10:00 A.M.: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. Club Treasurer Mike C NM5MC is our net controller.

Future Scheduled Club Events

- November 2025 Fong Dual Band Antenna Building Workshop
- January 2026 HDARC Club Home Brew Contest

Club Events in the Bull Pen (Not Scheduled Yet)

- POTA - Field Days - October 2025
- HF Tape Measure Antenna Build
- Beginners Soldering Workshop
- Hamming Around New Mexico
- Operating FT 8 Workshop
- Operating Winlink Workshop
- Club Test Equipment Workshops

V.E. Testing **(Scheduling Change)**

The HDARC is a sponsor of the Institute of HAM Radio Sciences, which conducts free V.E. testing sessions on behalf of the HDARC at 11:30 on the 3rd Saturday of April, June, August, October, and December immediately following the Monthly HDARC In-Person Club Meeting in classroom #4 at the North Domingo Baca Multigenerational Center. Look for the link [FREE TESTING](#) on the club web page. Please, pre register on the club web page for testing www.nm5hd.org. For more information contact Yul Bratcher at his email, yul.bratcher@att.net A big 73 to YUL and the V.E. team for volunteering their time and resources. Without them this could not happen.

The next testing session is August 16, 2025.

Saturday August 16, 2025

Saturday October 18, 2025

Saturday December 20, 2025



[QRZ.com](https://www.qrz.com) through a partnership with GigaParts, has developed a program that is designed to lower the barrier to entry into amateur radio by providing new hams with a high quality radio for only \$17.99 (plus tax and shipping). Effective February 28, 2025, new hams will be entitled to a 70% discount on the Explorer QRZ-1 VHF/UHF handheld transceiver, as well as a variety of

accessories. You must have been licensed within the last 6 months to qualify.

The eligible ham must have a QRZ user account and be able to log in and apply for the program. Certain types of identification, including a photo ID, will be required. This information is not shared or exchanged with any party and is used only to validate eligibility under this program.

This program is available exclusively to USA licensed amateur radio operators who obtained their first license from the FCC within the last

6 months. The Jumpstart program may be changed or terminated without notice based on availability and corporate sponsors.

Click here for more info: <https://www.qrz.com/jumpstart>

Classifieds

Welcome to the classified section. The intent is to give members and other HAMS a place to advertise any HAM related equipment they have for sale. It is also a place for members to list what HAM related equipment they are seeking to buy. ***This is a free service with no fees attached.*** ***This week we are featuring items from the Club SK inventory. Contact our Quartermaster Rob KI5NBN at this email if you are interested: dynomutt@reagan.com Feel free to haggle with Rob. We will update this inventory weekly.***

The Club has received a generous donation of a large tower and antenna array. Please see the pictures below. This unit has a value of thousands of dollars. It would require the recipient to incur the cost of renting a crane to remove the unit from the current property, cost of disassembly, transport and have a pad with the appropriate receiving bolts in place ahead of time at their location plus assembly. The unit is being offered to the general HAM community for a donation. Please contact Past President David Ham N6SIK if you have questions about the unit.

The Sandoval County ARES has the following items for sale. Contact Gary K5BIQ at garycapt@yahoo.com to inquire and make an offer

- *2- 15" Computer Monitors*
- *Long LMR-400 coax*
- *Misc length coax*
- *Misc antenna parts*
- *23 amp Samlex 1223 Power Supply*
- *Headset*
- *Misc. parachute cord*
- *MFJ-993B Antenna Tuner*
- *MFJ-989D Versa Tuner*
- *Antenna mast tripod*
- *Kenwood 590s HF/50Mhz Transceiver*
- *Old laptop*
- *Kenwood TS-50 HF Transceiver*
- *Remote Antenna switch, Ameritron RCS-8V*
- *Ameritron ALS-600S Amplifier*

Available for Purchase from the club Inventory

More inventory to be listed soon

CONCLUSION

Check the club's website often, there are interesting things being added weekly. www.nm5hd.org

I want to thank the club's COB, Kenneth Ham, AG5UY, for maintaining the website. Thanks Yul, WA5YUL and V.E. team for what they do to provide free testing to the public. MaryAnn NS7X for the Elmer contribution. Thank you Rob KI5NBN for providing a list of gear to offer to the club members, working on our repeater project, and hosting HDARC 2 Night. Thanks to those of you who provided content for this periodical. Feel free to reach out to me anytime at hdarcpres@gmail.com. If you wish to add content to "The High Desert Dispatch " weekly periodical the deadline for submission is Monday preceding the Wednesday publication date. If you get the chance, monitor the HDARC repeater every night at 7:30 P.M. local time to find someone to exchange with. *I look forward to seeing you at the meeting this Saturday!*

73 Mike



Michael R. Smith, KI5NBP, President HDARC
The High Desert Amateur Radio Club of New Mexico, Inc.



The High Desert Amateur Radio Club Of New Mexico Inc.

The 2025 Leadership Team

Executive Leadership

Michael R. Smith KI5NBP, President 2024-2026 hdarcpres@gmail.com

John Gleason, K5JVG, Vice-President 2025-2026

Elaine Summerhill, KJ5ATL, Secretary 2024-2026

Mike Chirin, NM5MC, Treasurer - 2024-2026

Board of Directors

Ken Ham, AG5UY, Chairman - 2025-2027

John Dodd KJ5KUF Director- 2025-2027

Mchael R. Smith, KI5NBP Director- 2024-2026

Harvey Dove, KI5YVY, Director- 2024-2026

MaryAnn Cornett, NS7X- Director - 2025-2026

Committee Leader's (Appointed by President)

Past President: David Ham, N6SIK

Elmer: MaryAnn Cornnet, NS7X

Test Equipment Loaner Program: Harvey Dove, KI5YVY

Quartermaster: Rob Summerhill, KI5NBN

Club Programming & Workshop Development: Mike Smith, KI5NBP

Special Projects: Marc Matteson, KD6KR

Canteen: Cynthia Beiser, KJ5FMW

50/50 - Raffles: Becky Ham, N6TYT

The High Desert Dispatch Editor: Mike Smith, KI5NBP

Website: Ken Ham, AG56UY

Club YouTube Channel: Elaine Summerhill , KJ5ATL

East Mountain Group: Rob Summerhill , KI5NBN

License Testing: Yul Bratcher, WA5YUL

Club Net's: John Gleason, K5JVG

Club Repeater(s): Rob Summerhill, KI5NBN

Field Days: John Gleason, K5JVG

Public Relations Outreach

Youth and Student Outreach

Safety Coordinator

Club Senior and Veterans Affairs Outreach

EmComm

