



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,

The summer and monsoon season is in full swing. Many families in our neighboring states have been displaced and many lives have been lost over the last week due to monsoonal flooding, tornados, and wildland fire. New Mexico is no stranger to catastrophic results left by the forces of mother nature caused by wind, water, fire, and excessive heat. Just yesterday the Village of Ruidoso NM was hit again with catastrophic flooding. The news is reporting that property has been destroyed and people are missing. Let's keep all those victims in our thoughts. Let's also remember all the first responders and those who work in the disaster response mitigation services that provide shelter, food, communications, and health care to those directly impacted by these disasters. These are humans who also feel the physical and emotional impact of mass disasters.

Last week I announced that I was forming an ad hoc committee to address our approach towards engaging youth. I need 5-6 members to meet with me to strategize and determine our scope, depth and capability to engage 10- 18 year olds. This committee would last about 90 to 120 days. These would be in person and zoom sessions. No one has responded so far. I am not looking to replace what we currently do. The outcome I am hoping for is to present a viable and realistic plan to the membership that we can engage, deploy, maintain, and get funding for. If you are interested in becoming a member of this ad hoc committee please contact me directly. I want to start this process soon.

Bill Jackson KM6CRL has submitted his resignation as a Director on the HDARC Board of Directors. Bill, Thank you for your service. Sec. 15 of the bylaws state that “ If a BOD member is unable to complete his term, an election for the remainder of the term for that seat shall take place at the next club meeting.”

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. We have several potential locations. Once one is locked in location and times will be announced.

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:

There will be our statewide Saturday Chat Shack Net this Saturday. More info inside.

There are 4 new 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.

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

During the July general membership meeting Quartermaster Rob KI5NBN will be conducting a Portable LIPO 4 Portable Battery Pack Build Workshop. More info within.

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.

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

THE COUNTERPOISE SECTION

“To have an opposing and balancing effect ”

From the Elmer



Your first HF Contact. A few tips to remember!

Having your very first HF (high frequency) contact can be a whole lot of fun. And, at the same time, pretty scary. Here are a few suggestions to also make it a successful endeavor: First, unlike

VHF/UHF (very high/ultra high frequencies), HF is (literally) a whole ‘nother world. You may be interested in working some DX (foreign stations), participating in a contest, or just having a rag chew (chatting with another station).

On HF, you’ll discover there are many bands on which to operate, depending on what antenna system you have available. (Make sure you will be operating within the frequency allocation the FCC has authorized for your license! See US Amateur Radio Bands at ARRL.org. Some of the bands will be open, others will not. Whether or not an HF band is usable is dependent on many things like the time of day, atmospheric conditions, and whether or not the sun is having a hissy fit.

It’s always a good idea to listen first. Are you hearing RF activity or noise? If you can hear lots of stations, is it because they are participating in a contest, or trying to work an elusive DX station? Listening will give you a great lesson in learning “how it’s done.”

While you’re listening, if you haven’t already, practice saying your call using standard phonetics. Especially on HF, it can be tough to hear the difference between an “f” and an “s” – so foxtrot and sierra can make a world of difference.

If you don't feel confident enough to work a contest or try your hand at a DX station, you might want to just make a regular contact. In which case, you get to decide whether you answer a CQ, or send a CQ.

Sending a CQ usually consists of listening to your chosen frequency, and, if hearing nothing, you key the mic and ask, "Is this frequency in use?" If you hear no response, you key the mic and say, "CQ CQ CQ. This is KK5XYZ Kilo kilo 5 x-ray yankee zulu."

You may repeat the CQ call a time or two. Make sure you listen for a response. It can at times be pretty tough to hear. Otherwise, the band may be dead.

If you hear someone calling CQ, listen carefully. After all, they may be calling "CQ Denmark." If they are just looking for any contact, answer them with your call, and repeat it phonetically. If you hear your call coming back to you, it's time to get excited, nervous, and thrilled. Don't forget to log the contact. After all, it'll be one you'll want to remember.

Amatuer Radio News on the World Wide Web

Amateur Radio Newslne: <https://www.arnewsline.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.

There next net is Saturday July 5, 2025 Your net controller is V.P.

John K5JVG. 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.

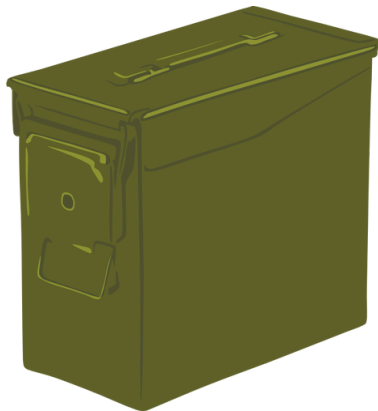
BRAVO SIERRA NET

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”

AMMO CAN LIPO 4 Portable Battery Pack Build Workshop



The club will be holding a LIPO4 Portable Battery Pack Build Workshop led by HDARC Quartermaster Rob KI5NBN during the July 19, 2025 General Membership Meeting. A lot of you have seen his Ammo Can LIPO pack builds. Now here is the chance to build your own. Any licensed HAM can be a part of the workshop. If you want to build the Ammo Can LIPO4

Portable Battery Pack during the workshop you will have to arrive with all the parts purchased in advance of the workshop.

The following callsigns have signed up for the build:

KI5NBP KJ5KUF K4VGG N9DCS KJ5ITL NS7X
K5JVG AB5ML KJ5CTQ KI5IK

Look for a pre workshop email this weekend. If your call sign does not appear above and you wish to build please contact me at hdarcpres@gmail.com

Rob KI5NBN has assembled this parts list and suppliers. Here is the updated parts list provided through Rob KI5NBN by Mark KJ5ITL who has been purchasing the supplies needed his build (73 Mark) :
(UPDATED LAST WEEK)

New info:

Headway 38120S LiFePo4 Battery Cells 8 Pack 3.2V 10Ah (1 set of 8) \$70.00:

[Headway 38120S LiFePo4 Battery Cells from eBay](#)

Li-ion/Lifepo4 4s 30a BMS With Balance, for battery protection and proper charging.
\$16.00

[4 Cell BMS from BatteryHookup.com](#)

1x2 Headway 38120 Double Cell Holders Spacers x8 \$12.00:

[Cell Holders from BatteryHookup.com](#)

Copper bus bars, 100 amp rated x14 \$20.00:

Buss bars need to have a 40mm/1.56" spacing / pitch row.

[Buss Bars from Amazon.com](#)

Prior Info:

New Source for Batteries: Ebay:

<https://www.ebay.com/itm/234917121323?chn=ps&norover=1&itemid=234917121323&targetid=4580496739019530&device=c&mktype=&googleloc=&poi=&campaignid=603247656&mkgroupid=1230354555785701&rlsataarget=pla-4580496739019530&abclid=9316139&merchantid=51291>

LIPO4 batteries X 8 \$70.00 .

[Batteryhookup.com](#)

- | | |
|---|-------------|
| 1. 1x2 Headway cell holders | x16 \$12.00 |
| 2. Bolts for bus bars | x16 \$ 4.00 |
| 3. Copper bus bars, 100 amp rated | x14 \$13.86 |
| 4. Wire and lugs s needed | \$10.00 |
| 5. The battery 30 amp Battery Management System MS. | \$10.00 |
- is needed for battery protection and proper charging.

Total \$113.78

You will also need these items from other sources:

- 60 amp connectors rather than Anderton Power poles.
- A fuse block with two 30 Amp fuses (DC volts, not AC)
- A plastic .30 ammo can.(Harbor Freight)
- Cable needed to go from BMS to charger is about 5 bucks. The charger will monitor each cell.

A similar set-up for the same power rating is over 350 bucks! 64 Amp hour continuous. This battery pack will run a ICOM 707 with 22 amp draw at TX for over 16 hours, perhaps longer.

Mark Tibbett KJ5ITL has sourced most of the parts for the build and provided this information to share:

Headway 38120S LiFePo4 Battery Cells 8 Pack 3.2V 10Ah (1 set of 8)
\$70.00:

Headway 38120S LiFePo4 Battery Cells from eBay

<<https://www.ebay.com/itm/234917121323?chn=ps&norover=1&itemid=234917121323&targetid=4580496739019530&device=c&mkttype=&googleloc=&poi=&campaignid=603247656&mkgroupid=1230354555785701&rlsataarget=pla-4580496739019530&abclid=9316139&merchantid=51291>>

Li-ion/Lifepo4 4s 30a BMS With Balance, for battery protection and proper charging. \$16.00

4 Cell BMS from BatteryHookup.com

<<https://batteryhookup.com/products/li-ion-lifepo4-3s-20s-30a-bms-with-balance>>

1x2 Headway 38120 Double Cell Holders Spacers x8 \$12.00:

Cell Holders from BatteryHookup.com

<<https://batteryhookup.com/products/1x2-headway-38120-single-cell-holder-s-spacers?variant=39502739931298>>

Copper bus bars, 100 amp rated x14 \$13.86:

Bus Bars from BatteryHookup.com

<<https://batteryhookup.com/collections/accessories/products/4x-busbars-8x-m4x0-7-bolts-90ah-100ah-105ah-lifepo4>>

Bolts and washers for bus bars x16 \$4.00:

Bolts for Headway 38120 Cells - M6-1.0 x 8mm

Bus bars Bolts from BatteryHookup.com

<<https://batteryhookup.com/products/bolts-for-headway-38120-cells-m6-1-0-x-8mm?variant=43212217057442>>

Flat Washer x16

Flat washers from Amazon

<https://www.amazon.com/Washer-0-24x0-7in-Stainless-Washers-Silver/dp/B0F66LMTHR/ref=sr_1_1_sspa?content-id=amzn1.sym.918a99dd-4826-4c0a-be33-a6705d69c4cf%3Aamzn1.sym.918a99dd-4826-4c0a-be33-a6705d69c4cf&crid=2M7TC0DSEVOYT&dib=eyJ2IjoiMSJ9.REg9R_E0SpkZJhPxmLoE02_lqP5eytmnYZ6xpEQRgj5Qsf78PMdhc1YoK_FIL77jMsiV-ceNIzy7bDVxtSO4HfVUVt88M3M48XfEProDDf634Jk_XK5Q7hUi39YFMwoEhTv9-HIIYgcwzPEYLbQSepjXneOMu1OnzQvFWEmltsk2ZMG0Wy_5LQI7TlvhmlXp-lm5miu5_RwKAq0dwVzJ3zLs9biK2bDSqulmp8gATWKBpgehkBb5dbkXuY7uhNZ6PfiomsBSha3o8ewEzjkuxBs8r1vq8Bbnqp8LBbBKMmE.5C-leuskHvMr_DeH51E0V>

[RZFF7yeP5J1Fyy2J9_7vXs&dib_tag=se&keywords=Washers&pd_rd_r=a89d88aa-460a-4f15-a3e8-5aec3773d7d5&pd_rd_w=fc0Lq&pd_rd_wg=IhDOT&pid=hGk9B3v&qid=1750041469&s=industrial&sprefix=flat%2Bwasher%2Bfor%2BM6-1.0%2Bx%2B8mm%2Caps%2C246&sr=1-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1](https://www.amazon.com/Washer-Stainless-Spring-Elastic-Gasket/dp/B0C1YXFDDQ/ref=sr_1_3?dib=eyJ2IjoiMSJ9.0SsWHX9yQIASWH1TiKMQQcLBwaC6mHaJPtxsPXUV8sYtv5bJBirI5FYnUVM7dF5RC2KUj3WYVNpfKQSSjICQWt4UO8nQNdSkWOPUkkIZFIKuBUmQebP7PboByEqSP2P9X_dQG1tS9mq-ZwdEQqKSkqp30fCVd2D3nmRhiogKLVI4_zlViFuCxIRvkzfMDtG5Xqt3awHTn4AMc12_YXaALLfnI3K5NIDkTmNHYoVTLZZfk_pwuJFc56EnEb-kLNdPVDhbVLjnbdcVxoSxMhwQvFuL5s2ztUtnDYxmDtdRmk.bZb7P5u9r2K1vZtOyA4ifccfeLAzCd_LQMNh7q41-hE&dib_tag=se&keywords=Washers&pd_rd_r=a89d88aa-460a-4f15-a3e8-5aec3773d7d5&pd_rd_w=fc0Lq&pd_rd_wg=IhDOT&pid=hGk9B3v&qid=1750041469&s=industrial&sprefix=flat%2Bwasher%2Bfor%2BM6-1.0%2Bx%2B8mm%2Caps%2C246&sr=1-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1)>

Lock Washers x16

Lock Washer from Amazon

https://www.amazon.com/Washer-Stainless-Spring-Elastic-Gasket/dp/B0C1YXFDDQ/ref=sr_1_3?dib=eyJ2IjoiMSJ9.0SsWHX9yQIASWH1TiKMQQcLBwaC6mHaJPtxsPXUV8sYtv5bJBirI5FYnUVM7dF5RC2KUj3WYVNpfKQSSjICQWt4UO8nQNdSkWOPUkkIZFIKuBUmQebP7PboByEqSP2P9X_dQG1tS9mq-ZwdEQqKSkqp30fCVd2D3nmRhiogKLVI4_zlViFuCxIRvkzfMDtG5Xqt3awHTn4AMc12_YXaALLfnI3K5NIDkTmNHYoVTLZZfk_pwuJFc56EnEb-kLNdPVDhbVLjnbdcVxoSxMhwQvFuL5s2ztUtnDYxmDtdRmk.bZb7P5u9r2K1vZtOyA4ifccfeLAzCd_LQMNh7q41-hE&dib_tag=se&keywords=lock%2Bwashers%2Bfor%2BM6-1.0%2Bx%2B8mm&qid=1750041842&refinements=p_n_feature_three_browse-bin%3A17420954011&rnid=17420897011&s=industrial&sr=1-3&th=1>

60 amp connectors rather than Anderson Power poles:

XT60 Connectors from BatteryHookup.com

<https://batteryhookup.com/collections/accessories/products/10-pairs-of-xt60-connectors-male-female-20-pcs-total>>

Cable needed to go from BMS to charger is about 5 bucks. The charger will monitor each cell:

10 gauge wire and lugs needed:

10 gauge wire.

Generic lugs like you might get at an auto shop or heavier duty?

Assorted from amazon

<https://www.amazon.com/Zoostliss-Electrical-Connectors-Insulated-Connector/dp/B074Y31S2Z/ref=sr_1_10?crid=3NGQBUL4OLISY&dib=eyJ2ljojMSJ9.zSPV0O_ngzBm4lIZq0S9l8TpSdeAd1G_c9bMN9vnzi7enOclKRFp9YWDcuxeHil-hxWCHAf_kXjL4FP0-v4fVmRlu2E9jAJcheGewrUf5gdeGjVGD01Dd2svS-r_HF6c5B5jhcRaP95IDG7NdCe5rV6cqPYhBqwAWq5E6d7PdPU9lZ9bGZVv259MuJfSk2H6BMBhRi8sLyAa0o95eCAAdr0pPmw4kxEqgfvOEf208TnzfE0HwqAlzeRKZxdanpokjv0YaG3BXo2sqxRJATZM1EvXm3fBQBTlB6hg69fNr2ag.tsHozevggER6ilP525Ejsh6rRNtZQyUSILoOzeXx-jE&dib_tag=se&keywords=Assorted+lugs&qid=1749527081&refinements=p_n_feature_nine_browse-bin%3A18644577011&rnid=18644573011&s=industrial&sprefix=assorted+lugs%2Caps%2C149&sr=1-10>

A fuse block with two 30 Amp fuses (DC volts, not AC):

I have not found a part for this yet

Battery Charger

Battery Charger from Amazon

<<https://www.amazon.com/ISDT-Touchscreen-Battery-Charger-Discharger/dp/B0823DGJXS>>

Ammo Can:

Bunker Hill Security 0.30 Caliber Ammo Box (Harbor Freight)

<https://www.harborfreight.com/030-caliber-ammo-box-63135.html>

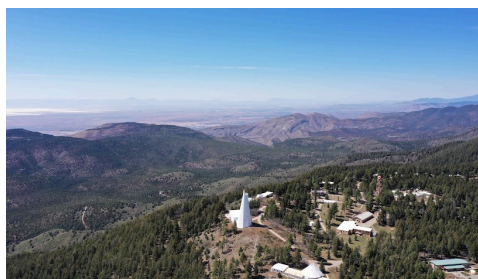
Thank you Mark KJ5ITL for this information.

If you have any questions contact Ron KI5NBN. More information to come in upcoming weeks.

If you plan on building at the workshop email hdarcpres@gmail.com so we have enough work stations set up.

You will need to bring the following personal tool kit with the following items to the workshop:

- Screwdrivers that match the slot configuration of the screws you purchased
- A crescent wrench
- Pliers
- Solder
- A soldering iron that is greater than 25 watts if you have one. We will have several on hand that day if you do not have one
- A wire stripper
- A good grade black electrical tape



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

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 \[hdarcpres@gmail.com\]\(mailto:hdarcpres@gmail.com\)](#). The link to the Observatory is: <https://nso.edu>

The following calls sign 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

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.



HDARC EAST MOUNTAIN GROUP

The next installment of the packet workshop will be held July 17th from 10 am to noon at the Tijeras public library. Instructed by Jonathan Earhart KIUIT.

The HDARC East Mountain Group will be holding their monthly luncheon/meeting on July 17, 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 (corrected date)

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. This is a great opportunity for members to find a great bargain and visit over with each other over a hot dog or hamburger. More details to follow. 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 July 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. 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

Monday - Sunday Evenings all Month 1930 -2030 hrs:

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

Wednesday July 9, 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 June 11, 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 July 12, 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 July 16, 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

Thursday July 17, 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 July 18, 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 July 19 ,2025 10:00 AM -2:00 PM: Monthly in person membership meeting and Workshop:

Lipo 4 Ammo Can Portable Battery Build. Lead by KI5NBN Rob Summerhill. Details in the connections section of the Dispatch

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

Wednesday July 23, 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 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=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 TBD 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=kXb9i18t3bc3
MATidQmEsJb31DoVnR.1](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=kXb9i18t3bc3
MATidQmEsJb31DoVnR.1](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=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

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
- 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 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 hearing you on the air.*

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

Vacant 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 Corrnet, 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 Summerhsill, KI5NBN

Field Days: John Gleason, K5JVG

Public Relations Outreach

Youth and Student Outreach

Safety Coordinator

Club Senior and Veterans Affairs Outreach

EmComm

