



NM5HD

WEEKLY NEWSLETTER
FOR THE
HIGH DESERT AMATEUR RADIO CLUB OF NEW
MEXICO INC.

A 501(c)(3) Non Profit Organization

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Introduction from the President

Greetings,

We are about at the halfway point for summer and the club is very active as you will read in the newsletter. Thank you for all your support in making the club a real FUN place to engage each other, educate the public in what Amateur Radio does and what it means to obtain and hold an Amateur Radio Operator License and the added value we put back into the community. A great example of this took place with the East Mountain Group over the weekend. They had two wonderful back to back engagements with the Edgewood community. I witnessed this during their Saturday Event. You can read more about this later in the newsletter. My congratulations to the East Mountain Group for a spectacular job in representing Amateur Radio and the HDARC.

A big 73 to VP Mike C. NM5MC. He led the first session of the club's Antenna Building Workshop. It was well attended and full of engagement. I look forward to session 2. We have a lot of events coming up over the next few months. These are exciting times. I will announce a few more programming additions in the near future once I get confirmation and dates. We have presenters slated for the next few live monthly meetings. We have numerous opportunities for members to learn, engage in traveling within the state and represent HDARC, explore, and get on the air.

Don't forget to join fellow HAMS on our Wednesday Noon Zoom CHAT room for lively discussions on current events in Amateur Radio.

There is a new link to access the chatroom.

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> If you are asked to enter a pin/passcode it is **737373**.

Previous links will not work correctly.

73 Mike KI5NBP

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!

Welcome New HDARC Members



Todd Brogowski
John L. Clark III N6UEP
Thomas Tarman KC5MRC



Invite to 2024 [Spaceport America](#) Open House

Yul WA5YUL forwarded a link from Spaceport America near Hatch NM. It was a call for presenters to come and participate in the 2024 Spaceport America Open House on September 8, 2024. We have received an official invite to demonstrate Amateur Radio and how it aligns/relates with Space. This is a STEM based event with vendors, demonstrations, displays, etc. We are assembling a team from the club to put together programming for the event. If you wish to participate email me at hdarcpres@gmail.com. This will be a long day. 2-2.5 hour drive to spaceport. We can set up at Spaceport America between 0800hr and 1000 hrs local time. Breakdown is between 1400 - 1500 hours local time. I will keep you all up to date on our progress and what Spaceport America tells us. Thank you Yul WA5YUL for the heads up.



July 20,2024 HDARC Meeting Presentation: Rocky Mountain Ham Radio Inc. Club-[NEW](#)

Our July 20, 2024 membership meeting will include a presentation from [Rocky Mountain Ham Radio](#) Inc. (RMHAM).

Presentation Abstract: RMHAM members and leadership will provide an overview of Rocky Mountain Ham Radio's 5-GHz microwave backbone/network which spans Albuquerque, New Mexico all the way up to Cheyenne, Wyoming and across Colorado's western slope (with plans to expand it further). RMHAM's network is a fully-managed infrastructure that enables partnering amateur radio organizations to facilitate or expand their capabilities (repeater operations, linking, and any IP-based application that is Part 97 compliant) for the benefit of the broader amateur radio community. You will learn about this network, the capabilities that it currently enables, how you can get involved in its planned expansion, and some of the tools and methods used in its upkeep (DevDB, Observium, RADIUS, Smokeping, Telegram, OSPF, and more).

Speaker bio:

Brian Mileschosky N5ZGT, of Albuquerque, New Mexico, is president of Rocky Mountain Ham Radio (New Mexico). He became an amateur radio operator 31 years ago, which led to his curiosity about electronics and RF, then his BS and MS degrees in electrical engineering with emphasis on RF/microwave engineering, followed by his career path in research and development of RF/microwave and other capabilities. He is a life member of ARRL, served the ARRL as a board member and officer (Vice Director, Director, Vice President) for 13 years, organized the annual New Mexico QSO Party, and serves on the Grants Advisory Committee of Amateur Radio Digital

Communications (ARDC) which awarded \$6.7M in financial grants to amateur radio, educational, R&D, and scholarship focused organizations across the world in 2023.

A big 73 to Brian N5ZGT and his team for taking time to come and present this to the Club.



[Click here to learn more about Rocky Mountain Ham Radio Inc.](#)

HDARC East Mountain Group-UPDATE



The HDARC East Mountain Group had two (2) back to back events this past holiday weekend. On Friday July 5, 2024 they provided communications for the Edgewood 5K race at 0800 hours. The event is a part of the Town of Edgewood 25th year anniversary



celebration. Thank you to all who participated. I hear you added great value to the function.



On Saturday July 6, 2024 the group put on a Ham Radio Demonstration at Venus Park, Edgewood, New Mexico as part of the Edgewood 25th year celebration. This was a High Desert Amateur Radio Club Event with support from local hams and

ation of the High Desert Amateur Radio Club of New Mexico Inc.

members of Bernalillo County Amateur Radio Emergency Services (BC ARES). I attended this event. This event was well represented and had a lot of interaction with the



community. We gave the club communication trailer another good shakedown. EmComm gear and functionality was demonstrated to the public, and KI5NBN Rob, KJ5ATL Elaine, and I worked Parks on the Air as hunters. Over 46 Parks contacted and we worked the Special Event "13 Original Colonies" making contact with several special event stations on the eastern seaboard.



Thursday July 18, 2024. East Mountain Group Luncheon. 11:30AM
Little Mama's Restaurant (Formerly Katrinas) 505-281-4050
150 NM-344 Edgewood, NM 87015. This is a casual get together. All past, present and future ham operators are welcome !

HDARC Member Name Badges/Hats/Shirts



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



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



ANTENNA BUILDING WORKSHOP-UPDATE



On Monday July 8, 2024 NM5MC VP Mike C. conducted the first session of his Antenna Building Workshop. Participants are building the ARRL End Fed Half Wave 4 Band Kit.

The workshop is being held at the North Domingo Baca Multicultural Center in Albuquerque. The second session is tentatively scheduled for next Monday. If you are



participating in this workshop expect an email from Mike C. to verify the day and time of session 2. It is said you are not a HAM until you build something. What's holding you back? Thank you VP Mike C NM5MC.

Seeing that soldering is involved here is a link to a [soldering video](#) on YouTube.

FYI: You said you wanted workshops in your feedback to the leadership. We are in the process of announcing more workshops in the near future.

HAMMING AROUND NEW MEXICO

Saturday, August 31st Alamogordo Hamfest 7am-3pm
Past President Dave N6SIK and Becky N6TYT will be traveling down a few days prior to the Hamfest to visit the local sites. We will be staying in the local KOA campground. You're all invited to join them. The more the merrier. Alamogordo is about a 3-hour drive from the Big I. Saturday afternoon we can fire up the radios and see who we can chat with.

Weekend of October 4-5-6 Cooke's Canyon north of Deming. Drive down on Friday the 4th and stay at the Desert Vista RV campground. 2020 Hatch Hwy, Deming, NM 88030. Join them at the campground if you wish or make other arrangements. Deming is about a 3.5 hour drive from Big I. Saturday morning, we will get an early start so we can visit many of the historic sites important to the history of New Mexico. These are good dirt roads with only a few rough spots so any good ground clearance vehicle should be okay. We will venture out to visit places like Cooke's City, Fort Cummings, the old Butterfield Trail and the Wells Fargo Stage Route and Massacre Canyon. In the coming months they will provide fascinating stories in the weekly newsletter. Saturday afternoon and Sunday morning we can fire up the radios and see who we can chat with. For more information contact Past President David N6SIK.

REQUEST FOR ELMERS!

A Big 73 to Mary Ann NS7X for volunteering to become an ELMER for the Club. ELMERS are defined as an experienced operator who takes someone under his or her wing, providing personal guidance and answers to the thousands of questions that confront a newbie. In our case it would include those wanting to upgrade. We still need 2 more members with a General, Advanced or Extra license that would like to consider what this might look like. Please shoot me an email at hdarcpres@gmail.com if you wish to explore this opportunity.

Club Calendar - July -September 2024

SAVE THE DATES **UPDATED**

July 2024

Wednesday July 10, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday July 13, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. John K5JVG will be our net controller . [Click Here](#) for more info.

Monday July 16, 2024 6:00 PM: HDARC Antenna Building Workshop. Session 2 North Domingo Baca Multicultural Center, Albuquerque. [Click here](#) for more info.

Wednesday July 17, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Thursday July 18, 2024 1130 hours: HDARC East Mountain Group Luncheon in Edgewood. [Click here](#) for more info

Saturday July 20, 2024 10:00 AM: In Person Club Meeting and V.E. Testing.

Presenter: Rocky Mountain Ham Radio Club of New Mexico,.

Multi-State Independent Microwave Network Project. HT Radio

Giveaway. [Click here](#) for more information on presentation.

Recognition Awards and V.E. Testing begins at Noon. [Click here](#) for more information on testing.

Location: North Domingo Baca Multigenerational Center Room #4

7521 Carmel NE Albuquerque, NM 87113.

Wednesday July 24, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday July 27, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Mike NM5MC will be our net controller. [Click Here](#) for more info.

Wednesday July 31, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.
<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

August 2024

Saturday August 3, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
John K5JVG will be our net controller. [Click Here](#) for more info.

Wednesday August 7, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.
<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday August 10, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. Net controller TBD . [Click Here](#) for more info.

Wednesday August 14, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room. <https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday August 17, 2024 10:00 AM: In Person Club Meeting and V.E. Testing.

Presenter: Tom Russell N5ATR “National Traffic Management System Overview”. HT Radio Giveaway and V.E. Testing begins at Noon. [Click here](#) for more information

Wednesday August 21, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room. <https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday August 24, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. NM5MC Mike C is our net controller. [Click Here](#) for more info.

Wednesday August 28, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday August 31, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. KI5NBP Mike S is our net controller. [Click Here](#) for more info.

Saturday August 31, 2024 7AM to 3PM: Hamming Around NM at the Alamogordo Hamfest NM. [Click here](#) for info.

September 2024

Wednesday September 6, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.
<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday September 7, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. John K5JVG will be our net controller. [Click Here](#) for more info

Sunday September 8, 2024 5:00 AM - 6:00 PM: Caravan to “Spaceport USA Open House” Event in Southern New Mexico: NM5HD Amateur Radio Demonstration. [Click here](#) for more information.

Wednesday September 11, 2024 Noon: Club ZOOM Lunchtime Chat Room. Click on the link below to enter the virtual room.

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday September 14, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. Net controller TBD . [Click Here](#) for more info.

Friday September 19 - Sunday September 21, 2025 8:00AM: Duke City Hamfest & Convention.

Saturday September 20, 2024 8:00 AM - 5:00 PM : HDARC Club Booth at the Duke City Hamfest & Convention.

Sunday September 21, 2024 8:00 AM - 1:00 PM: HDARC Club Booth at the Duke City Hamfest & Convention.

Wednesday September 25, 2024 Noon: Club ZOOM

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

<https://us02web.zoom.us/j/81747392564?pwd=W3vSa9XrFJdzQQrlqDFZu6yaP8nWir.1> PIN 737373

Saturday September 25, 2024 10:00 AM: HDARC NM5HD

STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.

NM5MC Mike C is our net controller. [Click Here](#) for more info.

Saturday CHAT SHACK NET/MegaLink

The Saturday 10am 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 Gleeson, K5JVG

2nd Saturday, OPEN . We need volunteers.

3rd Saturday, Club Meeting. No net

4th Saturday, Michael Chirin, NM5MC

5th Saturday, (when needed) Open for a volunteer. Backfilled by Mike Smith, KI5NBP until a volunteer is assigned.

We still need volunteers to run the 2nd Saturday and 5th Saturday of the month nets. Mike C NM5MC will host the Net this Saturday.

Our numbers for participation have been declining. Please join us on this Net. It only takes a few minutes to check in. 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. I use a HT and have checked in from different parts of the state with minimal issues. 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.E. Testing

The Institute of HAM Radio Sciences conducts free V.E. testing session at NOON on the 3rd Saturday, of every month 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.

Test Equipment Loaner Program for Members

UPDATE

At this time we have two donated pieces of test equipment; A ZeenKo, NanoVNA-H 4 Handheld Vector Network Analyzer and a Fluke Multimeter. Please consider if you have a piece of gently used and functional test equipment you can donate for this program. We are currently working on the program outline, equipment training program, and loaner process. We will be making some purchases of new equipment in the near future.

HDARC By-Law Review Progress Report

The HDARC BOD has approved the new revisions to the club constitution and bylaws by unanimous vote. During this June membership meeting the required 21 day notice was given to membership with a review of the proposed changes. We are 2 weeks away from the July Membership Meeting these Board approved revisions will be put up for membership ratification. Here is a highlight of the revisions in the new document:

Section 7

Dues:

Dues will be collected in the month of February for all members. The member will be delinquent March 1st if not paid during the month of February in the same calendar year. New members who join after the month of February will have their dues prorated from the time of application until the upcoming February cycle to collect dues.

New Section 18 Operational Reserve Fund:

In January of each year, the club president and treasurer will ensure that a portion of club funds are placed in an operational reserve within 30 days. The reserve will contain an average of 2 (two) years of operational funds.

Will take a majority vote of membership to use the reserve.

New Section 19 Authorized Expenditures and Club Bank Account signers:

B. At the conclusion and approval of the annual financial audit, the Board of Directors shall determine the purchase amount limit that the President and Treasurer may expend for official club business, without the need for Board of Directors and/or general club membership authorization.

D. All checks generated by the Club shall have two authorized signatures if the amount exceeds the threshold set by the BOD each year as stated in section 19b. Any check below the threshold amount can contain the single signature of the Treasurer.

Section 19 Authorized Expenditures and Club Bank Account signers:

E. Any authorized debit card transaction will be reported immediately to the treasurer accompanied by a paper or electronic receipt of the transaction.

F. HDARC shall always have a minimum of three authorized signers on every account: President, Treasurer, and a designated third person selected by the President who is a current HDARC elected officer or board member.

Members in good standing will be receiving the complete proposed revisions document in whole this week by email for inspection. If you are a member and do not receive the email by next week please contact me at hdarcpres@gmail.com. The document will be brought to the membership during the July 2024 meeting for ratification. To review the current by-laws [CLICK HERE](#).

The membership will be voting to ratify the revisions at the July 20, 2024 meeting.

HDARC CLUB COMMUNICATION TRAILER



Thanks to Rob KI5NBN, progress is being made in repairing, modifying and identifying what we need to make the trailer truly operational. We did another event last weekend in Edgewood NM using the trailer to support multiple antenna systems. The trailer now has two antenna mounting systems. Thank you Rob KI5NBN for your continued work on the trailer. Our next scheduled outing using the trailer is the Spaceport USA event in September.



Live Streaming HDARC Monthly Meetings on ZOOM

We are going to experiment with technology over the June -Aug 2024 in person meetings before bringing a proposal to the membership. We will be testing equipment configurations for streaming during the July 20, 2024 meeting.

The New HAM 10 Minute Project- NEW

Did you just get your ticket as a new Technician? Having the right test equipment on hand is important. A multimeter is an affordable and necessary piece of test equipment for any Ham's bench. Here is a YouTube video that explains the different brands and types of multimeters. [CLICK HERE](#) to watch the video

HAM RADIO ETIQUETTE

- adapted from the original Amateur's Code, written by Paul M. Segal, W9EEA, in 1928

The Radio Amateur is:

CONSIDERATE...He/[She] never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...He/[She] offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his/[her] country, through which Amateur Radio in his/[her] country is represented nationally and internationally.

PROGRESSIVE...He/[She] keeps his/[her] station up to date. It is well-built and efficient. His/[Her] operating practice is above reproach.

FRIENDLY...He/[She] operates slowly and patiently when requested; offers friendly advice and counsel to beginners; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.

BALANCED...Radio is a hobby, never interfering with duties owed to family, job, school or community.

PATRIOTIC...His/[Her] station and skills are always ready for service to country and community.

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. Thanks to those of you who provided content for this newsletters. Feel free to reach out to me anytime at hdarcpres@gmail.com. If you wish to add content to the weekly newsletter the deadline for submission is Monday preceding the Wednesday publication date.

73 Mike

Michael R. Smith, KI5NBP, President HDARC

The High Desert Amateur Radio Club of New Mexico, Inc.

