



NM5HD

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

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

TABLE OF CONTENTS

| <u>Topic</u> | <u>Page</u> |
|---|-------------|
| Introduction from the President | 2 |
| Club Repeaters and Frequencies | 4 |
| Join the FUN, join the Club | 4 |
| Join the ARRL | 4 |
| Welcome New Members | 5 |
| Hurricane Helene/Milton Relief Fund Drive -Outcome | 5 |
| National Museum of Nuclear Science and History - Results | 6 |
| Test Equipment Loaner Program for Members -Update | 7 |
| HDARC Satellite Communications Program-Update | 8 |
| HDARC Holiday Dinner and 20 year celebration-Update | 9 |
| HDARC East Mountain Group -NEW | 9 |
| From the Elmer -NEW | 10 |
| The New HAM 10 (or so) Minute Tutorial-NEW | 11 |
| HDARC Member Name Badges, Shirts and Hats | 12 |
| Club Calendar November - December 2024: Save the Dates -NEW | 12 |
| Saturday Morning Chat Shack Net Incentive Program-Update | 17 |
| Saturday Morning CHAT SHACK Net | 18 |
| V.E. Testing | 19 |
| Classifieds | 20 |
| Ham Radio Etiquette | 21 |
| Conclusion | 22 |

Introduction from the President

Greetings,

I want to thank the membership for responding to the donations challenge for Hurricane Relief Funds. Your response to the 7 day challenge went beyond expectation. We sent over \$3200.00 to the Samaritan's Purse for disaster relief. A big 73 to COB Ken AG5UY for providing the matching funds. Complete details in the newsletter.

The Club participated in a school outreach program at the National Museum of Nuclear Science and History this past Thursday. Club members set up radios and antennas along with static displays. Hundreds of students from various public schools attended. I want to thank all the HDARC members that participated. The interaction between the students and our membership was rich and meaningful. Complete details in the newsletter.

The HDARC Saturday Chat Shack Net Incentive Program begins on November 2, 2024 through February 22, 2025. We need members to volunteer to be a net controller. Complete details in the newsletter.

The Club Holiday Party and 20 year Celebration is scheduled for Saturday December 14, 2024. Please RSVP me at preshdarc@gmail.com if you plan to attend. I just need to have an idea of the numbers for attendance. Complete details in the newsletter.

The leadership team is actively working on the club events calendar going into 2025. I will have a few announcements about upcoming

workshops around DMR and Satellite Communications and club meeting presenters in this newsletter. A big 73 to KI5YIF John for the upcoming DMR Workshop and Ed KC2LM for accepting our invite to develop and deploy the clubs Ham Radio Satellite Communications Workshops/Program.

I have added a section advocating for members to join the ARRL. Members that are already ARRL members know the importance of joining the ARRL. Their website is rich in content and their advocacy for HAMs is unmatched. Please consider joining.

The link for the Wednesday Lunchtime Noon Chat Room

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

A quick reminder that daylight savings time ends this Sunday Oct. 3, 2024 at 2:00 A.M. Remember to set your clocks back 1 hour Saturday night before you go to bed.

That's all I have for this week. I hope to hear from you on the net this Saturday @ 1000 hours on the Mega Link. We are entering the busy holiday season. The New Year is only 63 days away. Be safe and enjoy your friends and family.

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!

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 to NEW Members

Richard (Ric) Ramirez
Michael C. Olewine

Hurricane Helene/Milton Hurricane Relief Donation Outcome



The club membership through unanimous vote by those in attendance at the October Club membership meeting this past Saturday approved a donation of \$300.00 dollars from the club treasury towards Helene/Milton hurricane relief to the Samaritan's Purse International Relief Organization. Chairman of the Board Ken Ham stated that he would match any donations to Samaritan's Purse by club members up until this Friday October 25, 2024. The results of that challenge are in. The total club collection for Samaritan's Purse was \$1620.00 at the close of Friday. With the match from COB Ken (AG5UY) the total will be \$3240.00. The money has been sent. There have been members still contributing directly to Samaritan's Purse after the Friday Midnight Challenge. If you have done so please let me know when and how much. This is another testament to the generosity and empathy within our HAM Radio Community. Thank you!

If you wish to still contribute go directly to <https://www.samaritanspurse.org/> and give. Please notify me at hdarcpres@gmail.org of the donation. The donations will go directly to hurricane relief.

HDARC HAM Radio Demonstration for STEM Week at the National Museum of Nuclear Science and History-RESULTS

Yul WA5YUL assembled a team of HDARC members to put on a HAM Radio Demonstration at the [National Museum of Nuclear Science and History](#) in Albuquerque this past Thursday. The club's membership response was amazing. Hundreds of students from area schools



attended. The club provided the students a rich experience with hands-on learning about amateur radio. We had a morse code experience where students were engaged in hands-on learning. A VHF/UHF station was transmitting live, giving students the opportunity to talk to local HAMS. Our HF station gave the students the opportunity to experience long distance communications. There



was a point where the students were talking to another teacher and his students in a classroom in Phoenix Arizona and an operator living alone in the Arctic Circle. There will be two more opportunities for us at the Museum to interact with area students at the beginning of 2025. Stay tuned for those dates. A big 73 to all of the members that made this rich and engaging experience possible.



Test Equipment Loaner Program for Members

HDARC Director Harvey Dove KI5YVY is the lead for this program. He presented an outline of the program this past Saturday during the membership meeting. The membership adopted the program with corrections and amendments by unanimous vote. Harvey is making those adjustments this week. Once they are complete you will see the program outline published in this newsletter. We are also making available to members access to online tutorials on how to use the test equipment from the HDARC NM5HD.org website. You can contact Harvey at: doveduo1@gmail.com if you wish to borrow the equipment.

The current inventory of loaner test equipment includes:

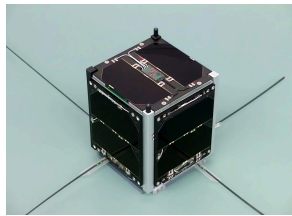
- MFJ -263 Dummy Loads
- MFJ - 802B Field Strength Meter
- RigExpert AA-650ZOOM Antenna Analyzer



We **CURRENTLY** have 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. The next purchase of test equipment for the program will include RF noise detectors (MFJ 805).

HDARC Space/Satellite Communications Program - UPDATE

The membership has approved the development of a Satellite Communication Program via Amateur Radio Satellites and Equipment



loaner program for HDARC members. The membership also voted to appropriate \$400.00 to begin the purchase of equipment for this program.

Ed Poccia KC2LM has agreed to assist in the development and

deployment of a Club training program for how to communicate through Ham Radio Satellites. I will

be meeting with Ed very soon to discuss how to move forward on this program. In the meantime, if

you are interested in attending a workshop on this topic please send an email to hdarcpres@gmail.org expressing your interest to attend.

We are planning to have the workshop at the beginning of 2025.

Click on this link to access an article from “The Radio Amateur Satellite Corporation (AMSAT)” to learn more about this topic:

https://www.amsat.org/wordpress/wp-content/uploads/2023/06/For_Beginners_Compilation.pdf



HDARC Holiday Dinner and 20 year celebration -Update

Saturday December 14, 2024 is our annual HDARC Club Holiday Dinner. Save the date. We will also be acknowledging 20 years as a club. We will be having the holiday/celebration dinner at Rudy's Country Store and BBQ at 10136 Coors Blvd NW in Albuquerque NM. Members and their guests will be responsible for getting their own food and then joining us in the enclosed and heated patio area. We will be giving away HDARC swag and prizes in honor of this milestone. If you plan to attend please RSVP at hdarcpres@gmail.org. I need just a number of who is attending to ensure we save enough space.

HDARC East Mountain Group

**Thursday November 15, 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 !**

From the “Elmer”

What do the following ham radio modes and activities have in common?

- EME (Earth/moon/Earth aka “moon bounce”)
- Public service events (such as The Run for the Zoo)
- Third party traffic handling (the sending, receiving, or relaying of formal messages)
- Pico-ballooning (lightweight, high altitude balloons equipped with ham radios)
- HF CW and SSB (high frequency Morse code and voice operations)
- Fox hunting (aka transmitter hunts or “bunny hunts”)
- Satellite communications (including contacting the International Space Station)
- Various digital modes
- ARES (Amateur Radio Emergency Service).

This list is by no means complete. But all the privileges on it, and others, can be used by technician class amateurs. There’s more to being a tech than repeater nets. For more information:

<https://www.arrl.org/files/file/Tech%20Band%20Chart/US%20Amateur%20Radio%20Technician%20Privileges.pdf>

73 MaryAnn NS7X

Elmer MaryAnn has prepared several tutoring kits for new hams. These kits will be on display this coming Saturday for review during

the meeting. Thank you MaryAnn. If you know of someone wanting to become a ham or if you wish to upgrade, MaryAnn NS7X can be contacted through ns7x@arrl.net

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.

The New HAM 10 (or so) Minute Tutorial

What is Amateur Radio Pico-Ballooning?

Let's learn more about this. Click on the links below:

<https://youtu.be/QfDDezwZ8QM?si=b7X4Tu8qqHbNUESg>

<https://vepimg.b8cdn.com/uploads/vjfnew/1073/content/images/1596949203send-an-amateur-radio-balloon-around-the-world-bill-brown-wb8elk-pdf1596949203.pdf>

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



Club Calendar - November - December 2024

SAVE THE DATES **UPDATED**

November 2024

Saturday November 2, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. K5JVG John is our net controller. [Click Here](#) for more info.

Wednesday November 6, 2024 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 November 9, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
net controller TBD . [Click Here](#) for more info.

Wednesday November 13, 2024 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 November 16, 2024 10:00 AM: In Person Club Meeting and V.E. Testing.
Presentation: Mike Langer K5MGR : How Ham's started the Broadcast Industry:.
HT Radio Giveaway. V.E. Testing begins at Noon. [Click here](#) for more information
Location: North Domingo Baca Multigenerational Center Room #4
7521 Carmel NE Albuquerque, NM 87113.

Live Stream Link: TBA at a later date

Wednesday November 20, 2024 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 November 23, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Net controller tbd. [Click Here](#) for more info.

Wednesday November 27, 2024 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 November 30, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML.
Net controller tbd. [Click Here](#) for more info.

December 2024

Wednesday December 4, 2024 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 December 7 , 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. K5JVG John is our net controller. [Click Here](#) for more info.

Wednesday December 11, 2024 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 December 14, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. net controller TBD . [Click Here](#) for more info.

Saturday December 14, 2024 4:00 PM- 6:00 PM: HDARC Holiday Dinner and 20 Year Celebration. Rudy's Country Store & BBQ 10136 Coors Blvd NW in Albuquerque NM. RSVP hdarcpres@gmail.com

Wednesday December 18, 2024 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 December 21, 2024 10:00 AM: In Person Club Meeting and V.E. Testing.

Presentation: John Betz II KI5YIF: Intro to Digital Mobile Radio (DMR)

HT Radio Giveaway. V.E. Testing begins at Noon. [Click here](#) for more information

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

Live Stream Link: TBA at a later date

Wednesday December 25, 2024 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 December 28, 2024 10:00 AM: HDARC NM5HD STATEWIDE CHAT SHACK NET on the MEGA Link NM5ML. Net controller tbd. [Click Here](#) for more info.

Wednesday December 30, 2024 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 CHAT SHACK NET Incentive Program

In an effort to promote members to participate in the Saturday Chat Shack Net and develop net controller skills, the membership approved an incentive program for members who check in and members who volunteer to take on the role of net controller on various Saturdays. The program will begin on the first Saturday of November 2024 and end on the last Saturday of February 2025. The grand prize will be drawn during the March membership meeting.

Any member in good standing who checks into the Saturday Net will receive a ticket with their call sign attached. When you check in starting in November 2024 indicate that you are a member, clearly give you callsign using phonics. The net controller will submit their log sheet to the President who will verify and assign tickets. Those who chose to volunteer to be net controller and complete that assignment for that given Saturday will receive 5 tickets with their call sign attached. A member can be a net controller once per month. Net controllers will be assigned on a first come first serve basis. If you wish to be net control for the Saturday Chat Shack Net between November 2024 and February 2025 send an email to hdarcpres@gmail.com. The grand prize is a \$300.00 gift certificate to HRO (Ham Radio Outlet). If you volunteer to be a net controller and it is your first time, you will be assigned a club net controller mentor to prepare you for running the net if you request it.

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, Open for a Volunteer

5th Saturday, (when needed) Open for a volunteer.

The next controller for this Saturday is 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. 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.

Congratulations to the following HAMS who passed their exams this past Saturday. We had 3 new technicians and 2 upgrades to General:



Technician:

Steve Coltran

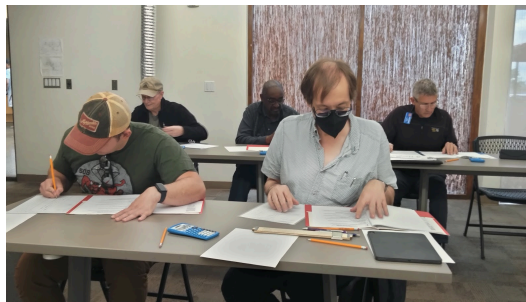
Dwight E. Talley

Richard W. Ramirez

General:

Thomas D. Tarman KC5MRC

Jim Baylor KJ5DMX



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. There are no new classifieds this week. We will have new items posted next week.

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. Thank you to our Elmer MaryAnn NS7X. 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. *I look forward to hearing from you on the net this Saturday.*

73 Mike

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