



# NM5HD



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

*A 501(c)(3) Non Profit Organization*

## INTERACTIVE TABLE OF CONTENTS

(Click on any link below to move to the topic)

[Introduction from the President](#)

[Club Repeaters and Simplex Frequencies](#)

[Join the FUN, join the Club](#)

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

[NM5WJ Dr. Wes Jones PhD Silent Key-NEW](#)

[HDARC Meeting Presentation: Rocky Mountain Ham Radio Inc. -NEW](#)

[HDARC East Mountain Group-NEW](#)

[HDARC Member Name Badges, Shirts and Hats-NEW](#)

[HDARC Amateur Radio Operator\(s\) of the Year Announced](#)

[Antenna Kit Building Workshop-Update](#)

[ELMERS](#)

[Hamming Around New Mexico](#)

[Club Calendar June-August Save the Dates -Update](#)

[Saturday Morning CHAT SHACK Net](#)

[V.E. Testing](#)

[Test Equipment Loaner Program for Members](#)

[HDARC By-Laws Review -Update](#)

[HDARC Club Trailer](#)

[Live Streaming HDARC Monthly Meeting on ZOOM](#)

[The New HAM 10 Minute Project-NEW](#)

[Ham Radio Etiquette](#)

[Conclusion](#)

## Introduction from the President

**Happy Independence Day!**



We received an invite from [Spaceport America](#) to be a part of their Open House on September 8, 2024. Thank you to Yul WA5YUL for bringing this event to my attention. More information is in the newsletter.

We received sad news on June 28th, 2024. HDARC member NM5WJ Dr. Wes Jones PhD. became a silent Key. He died on June 23, 2024. Let's keep his wife Mary in our thoughts. There will be no services in Albuquerque. There will be more information later in this newsletter. Wes, you will be missed but always in our hearts.

Over this long weekend take a moment to reflect on what July 4th stands for. Reflect on what it takes to maintain our right to celebrate and maintain our freedom and democracy. Remember the sacrifices of those who fought for our freedom in the past and present. Reflect on what we can do as amateur radio operators to promote amateur radio, help those in need of assistance, be citizen scientists, educate the public, and recruit more people to join us as HAMS.

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.

Have a Safe Holiday Weekend.

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](http://www.nm5hd.org)

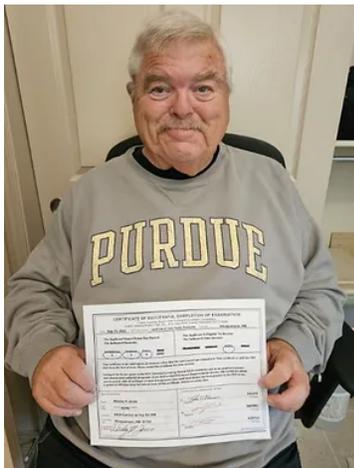
To become a club member go to [www.nm5hd.org](http://www.nm5hd.org) and click on the "[become a member](#)" tab to join the ever growing group of the coolest Hams in New Mexico, you'll be glad you did!



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

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 have assembled a team from the club to put together programming for the event. If you wish to participate email me at [hdarcpres@gmail.com](mailto:hdarcpres@gmail.com). This will be a long day. 2-2.5 hour drive to spaceport. We can set up 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.

## **NM5WJ Dr. Wes Jones PhD Silent Key-NEW**



On June 28th, 2024 I received an email from Mary Jones that Wes had passed away due to a terminal illness. Wes became a HDARC member in 2023. His FCC License had lapsed over the years. He came to one of our testing sessions and in one seating took all three tests, Technician, General, and Extra and PASSED!

On June 11th, 2024 Wes emailed me and shared the latest diagnosis of his illness and left me directions on his final wishes for the Club to complete after his passing. He is donating his equipment

(transceivers, meters, cables, etc) to HDARC with the provision that we pass on the equipment to students involved in STEM. Chairman of the Board Ken AG5UY , Past President David N6SIK, Becky Ham N6TYT and I went to see Wes's wife Mary on Tuesday and began to fulfill Wes's final wish of HDARC. This is a generous gift from Wes to help maintain the future of Amateur Radio in our community and support our efforts to inspire youth to study STEM and enjoy Amateur Radio. We have many stories to share about Wes for the short time he was a member of our Club. Lets keep his memory alive by always sharing those stories about him when we meet and when we award his equipment to deserving youth.

Services for Wes will be held in the State of Indiana. Chairman of Board Ken AG5UY, found [this article](#) about Wes that sheds some light on the type of person he was; caring, giving, and sharing.



## **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-[NEW](#)

**Friday July 5, 2024.** HDARC members will provide communication support for the Edgewood 5K race at 0800 hours. This event is a part of the Town of Edgewood 25th year anniversary celebration.

- Rob / KI5NBN / SHADOW / Will be with the "race director" Brian McCurtrey
- Elain / KG5ATL / TIMEX / Will be located at the Starting Line
- Carol / K5TFL / ROVER / Will be running the race and carrying a radio
- Tom / N5ATR / TAIL-END-CHARLIE / Will be in trail of the last runner / walker / APRS N5ATR-4
- Sean / KI5USN / SAG / Mobile located at the northernmost part of the race near Venus Road. Be prepared to relocate once the last runner passes. \*\* TBD

**Saturday July 6 , 2024.** 9am-3pm Ham Radio Demonstration at Venus Park, Edgewood, New Mexico. This is a High Desert Amateur Radio Club Event with support from local hams and members of Bernalillo County Amateur Radio Emergency Services (BC ARES):

- Emergency Communications Go-Kits - KF5MFR
- Parks on the Air HF Radio - KI5NBN
- Summits on the Air - Tactical / ultra portable communications gear - K5TFL
- Automatic Packet Reporting System (APRS) K5WEZ
- Location: Venus Park, Edgewood, NM.

Visit [this web site](#) for information on the Town of Edgewood 25th year celebration events.

**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



## HDARC AMATEUR RADIO OPERATOR(S) OF THE YEAR ANNOUNCED

Rob (KI5NBN) and Elaine (KJ5ATL) Summerhill have been awarded the NM5HD/HDARC 2024 Frank Warren Sr. Amateur Radio Operator(s) of the Year Award. This past year they set the highest standard for the Club in Amateur Radio by demonstrating leadership, camaraderie, volunteering, and mentoring along with the exemplary standard they set in representing and operating POTA. Congratulations on this well deserved recognition



## **ANTENNA BUILDING WORKSHOP-UPDATE**

VP Mike Chirin (NM5MC) HF antenna-building workshop will take place on July 8th, 2024 from 1800 to 2000 hours at the North Domingo Baca Multigenerational Center in Albuquerque.



Those that have already enrolled will be getting class information directly from Mike

C. We will be building the ARRL.org end-fed half wave antenna kit good for 10, 15, 20, and 40 meters. There is soldering involved and the kit is \$79 plus any shipping. Shipping takes about 4-5 days. As of last week they are in stock.

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. ELEMERS 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](mailto:hdarcpres@gmail.com) if you wish to explore this opportunity.

## **Club Calendar - July -August SAVE THE DATES**

### **UPDATED**

#### **July 2024**

**Wednesday July 3, 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 6, 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.

**Friday July 5, 2024 HDARC East Mountain Group: Edgewood 5 K Run.** Providing communication for the event. [Click here](#) for more info.

**Saturday July 6, 2024 HDARC East Mountain Group - Town of Edgewood Ham Radio Demonstration.** [Click here](#) for more info.

**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.

**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\\_\\_](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\\_\\_](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.**

## **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](http://www.nm5ml.com). If you're having issues programming your radio email [hdarepres@gmail.com](mailto:hdarepres@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](http://www.nm5hd.org). For more information contact Yul Bratcher at his email, [yul.bratcher@att.net](mailto: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

Harvey KI5YVY shared his updated equipment list proposal with the club this Saturday. He is going to forward it to the leadership for the rendering of a program outline and cost to bring before the club in the near future for ratification.

## 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.

**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](mailto: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 TRAILER



Thanks to Rob KI5NBN, progress is being made in cleaning, repairing, modifying and identifying what we need to make the trailer truly operational. We will learn more on the functionality of the trailer as a



communication trailer this weekend at field day. Please email me with your suggestions at [hdarcpres@gmail.com](mailto:hdarcpres@gmail.com).



## 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? Making your own coaxial cables is a must learn technique that you will need as you build your first station. Here is a YouTube

video that demonstrates one way to add connectors to coaxial cable. [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

Have a safe Fourth of July Holiday Weekend. Check the club's website often, there are interesting things being added weekly. [www.nm5hd.org](http://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](mailto: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.

