



THE ROUND TABLE

Monthly Newsletter Of The Denver Radio Club

Since 1917

August 2025

PRESIDENT'S MESSAGE

BY GERRY VILLHAUER, W0GV

Hello DRC Members,

I hope your summer activities are going well. It has been a very busy summer for Cathy and me. We just returned from our annual trip to Oshkosh, WI Airventure. We had a fantastic time and Airventure was larger than last year. 704,000 attendees, well over 10,000 aircraft, nearly 1000 vendor/displays and 6000 volunteers. It is so massive it is hard to explain the magnitude of the event. It is a "you have to attend" event to believe it.

I understand our first DRC Saturday went very well. I am sorry to have missed it. Thanks to Pete, WB8WN for chairing the event.

Our next meeting will be an "online only meeting". Due to vacation schedules and many summer activities, it was decided that it would be best to NOT do a Hybrid meeting in August. So, please remember to tune in online and DO NOT come to Lakewood P.D. for the August meeting. Meeting date is Aug 20, 2025.

Other upcoming events are: The RMHam Radio Summer Swapfest on Aug 24, 2025 at the Adams County Fairgrounds. See their website for more information. And the Colorado QSO Party is August 30-31, 2025. Consult QST Magazine or one of the online Ham Radio Contest websites for more information.

And finally, HamCon Colorado in Grand Junction, CO OCTOBER, 24-25-26. See their website hamconcolorado.com for more information. This is a great event with lots of programs, speakers, food and fun. Discount hotel rooms are also available...See the website.

Thanks to all of our new members who have recently joined the DRC. Your support is very much appreciated. Please come to meetings and events and stay active. Your name and call will be posted in this edition of the Round Table.

73 for now,
Gerry, W0GV
President



WHO'S NEW IN THE DRC?

PROVIDED BY KELLY SOBANSKI, KB8OGP

The DRC is a very active club in the Denver metro area and we'd like to have all of our members listen for these new calls and welcome them to the club and repeaters. Welcome to our newest members:

| | |
|----------------------------|---------------------|
| Texas Ted Skingei - WD5ICQ | Dean Larson - W6HAB |
| John Ireland - NT0A | Johnathan Buerge |

We have a number of activities throughout the year and we'd like very much for you to participate in serving your community. If you have questions please feel free to ask on any of the repeaters or see the contact information on the last page of this publication.

Also, please join us once a month at the regular club meeting on the 3rd Wednesday at 7:00 p.m. For new hams we have the Elmer session which starts at 6:00 p.m. before the regular meeting.

MONTHLY DRC LUNCH - REMINDER

BY PETE SOBANSKI, AB8WN AND KEVIN SCHMIDT, K0KPS

The address for the monthly lunch has changed. It is now at Sunrise Sunset. It's still on the third Wednesday of each month at 11:30 a.m. The address is 1424 S Wadsworth Blvd, Lakewood, CO 80232. No reservations are required. If you are interested in meeting and talking about radio, or other topics, don't hesitate in coming by. w0tx.org/2024/06/09/denver-radio-club-lunch

DRC SATURDAYS

BY PETE SOBANSKI, AB8WN

We are doing them!

Stay tuned for updated information here: <https://w0tx.org/drc-saturday/>

DRC RECIPES

PROVIDED BY CATHY VILLHAUER, N0CRZ

Another one from the recipe book that was published by DRC members in 1988.

HOT POTATO SALAD**Eleanor Richards
WBØRNE****1/4 c. chopped onion****1/4 c. butter****1 can cream of mushroom soup****1/2 soup can of milk****1 c. cheese crackers, crumbled****1 c. grated longhorn cheese****6 boiled potatoes, sliced****1/2 T. pepper****1 green pepper, chopped****2 T. chopped pimentos**

Saute onions in butter, then add each item as listed. Pour into a casserole dish. Place in low oven until heated through.

QUESTION OF THE MONTH

BY BILL RINKER, W6OAV

Where's The Best Location for Load Coils on Shortened HF Antennas?

The answer can be found on page 14 of the February 2018 issue of the *Roundtable*:

[https://w0tx.org/RoundtableArchive/2018-RoundTables/RT201802\(FEB\).pdf](https://w0tx.org/RoundtableArchive/2018-RoundTables/RT201802(FEB).pdf)

DRC SATURDAY RECAP

BY PETE SOBANSKI, AB8WN

Thank you to all the hams who showed up at our DRC Saturday POTA/ SOTA event. We had a great time setting up nine stations and hunting for contacts from 40 meters to 70 centimeters. While band conditions limited the QSL's, the exchange of ideas and connections flowed wonderfully. It was great to see people interested in learning more about POTA walk around and witness experienced operators with a variety of equipment. We'd like to offer a special shout out to W8MP and KD8EGG who stumbled into our event on vacation from Michigan and joined in.

We look forward to chatting about the experience at our next club meeting, and seeing everyone at the next DRC Saturday event on August 30th, the Colorado QSO Party, which will be

held at the Prospect Arena.



Side Note About Field Day: We ended up with 711 contacts! We got a preliminary total score of 2,250 and Dick also got us some pictures. I put the pictures on the website (<https://w0tx.org/fieldday/>) and you can get to the shared drive by using the "Past years photos" link if it would be helpful.

DRC - BLAST FROM THE PAST

PROVIDED BY WOODY LINWOOD, W0UI

Woody Linwood, W0UI, sent over some photos from various DRC events in the past. This one is from the 1982 Christmas banquet.



HAM RADIO AND AI

BY BILL RINKER, W6OAV

Introduction

Artificial Intelligence (AI) has emerged as one of the most influential technologies of our time, revolutionizing industries and reshaping the way we live and work. From its humble beginnings in the 1950s, AI has evolved into a powerful force driving innovation across various sectors. AI has progressed rapidly becoming a cornerstone of modern technological advancement. Today, AI applications are everywhere, ranging from virtual assistants and self driving cars to sophisticated algorithms that can process vast amounts of data and make complex decisions in milliseconds.

What is AI (Artificial Intelligence)?

AI refers to the simulation of human intelligence processes by machines, particularly computer systems. It encompasses a variety of technologies that enable computers to perform tasks that typically require human cognitive functions, such as learning, reasoning, problem solving, understanding natural language, and recognizing patterns. AI can be categorized into narrow AI, which is designed for specific tasks like image recognition or language translation, and the theoretical concepts of artificial general intelligence (AGI) and artificial superintelligence (ASI), which aim for machines to exhibit human like intelligence and capabilities. The field draws from multiple disciplines, including computer science, mathematics, psychology, and neuroscience, using techniques such as machine learning and deep learning to process vast amounts of data and improve performance over time.

The Future of AI in Ham Radio

AI is poised to significantly impact ham radio in various ways. AI technologies can enhance digital and analog signal processing (error correction), improving noise reduction and weak signal detection, which could make communication more effective in challenging conditions. Presently, a free cloud based processing software package titled "RM Noise" uses AI and neural networks to significantly reduce background noise in HF transmissions, enhancing voice and CW signals (Click 1st reference below for a description and a demo).



Machine learning AI algorithms may be employed to optimize antenna designs, predict real time propagation conditions and automate logging processes, streamlining operations for ham operators. AI powered tools could assist in automatic mode recognition and decoding of complex digital voice and data signals and provide real time language translation, potentially breaking down language barriers in international communications. Additionally, AI may help attract younger generations to the hobby by integrating modern technology and making ham radio more appealing to tech savvy individuals. However, the integration of AI in ham radio also raises questions about the balance between technological assistance and the traditional skills and practices valued in the hobby, potentially reshaping ham radio in the coming years.

Resources:

AI Revolution in Ham Radio: How "RM Noise" is Changing the Game:

<https://www.youtube.com/watch?v=XxJoKnnhkPo&t=50s>

Using Noise Suppression AI on Ham Radio to Remove Static (Setup and Demonstration):

<https://www.youtube.com/watch?v=E7AdAhJtk-o&t=58s>

The Future of Ham Radio: Tech and AI Impact:

<https://zeda.in/the-future-of-ham-radio-tech-and-ai-impact/>

Artificial intelligence and machine learning for amateur radio:

<https://www.kb6nu.com/artificial-intelligence-and-machine-learning-for-amateur-radio/>

Introduction to AI in Ham Radio:

<https://wavetalkers.com/resources/ai/index.php>

Using AI to eliminate noise in a radio signal:

<https://www.pa9x.com/using-ai-to-strip-a-radio-signal-from-qrm/>

Enhancing the Ham Radio Hobby with Artificial Intelligence: A Winning Combination:

<https://www.n1jur.com/blog/enhancing-the-ham-radio-hobby-with-artificial-intelligence-a-winning-combination>

The Road Ahead-ARRL:

<http://www.arrrl.org/files/file/QST/This%20Month%20in%20QST/2024/04%20april%2024/04-2024%20QST%20EDITORIAL.pdf>

ANTENNA MISCONCEPTIONS

BY BILL RINKER, W6OAV

Anyone interested in dispelling misconceptions about antennas should read "*Antenna Myths and Mysteries*" by Terry Graves, K7FE.

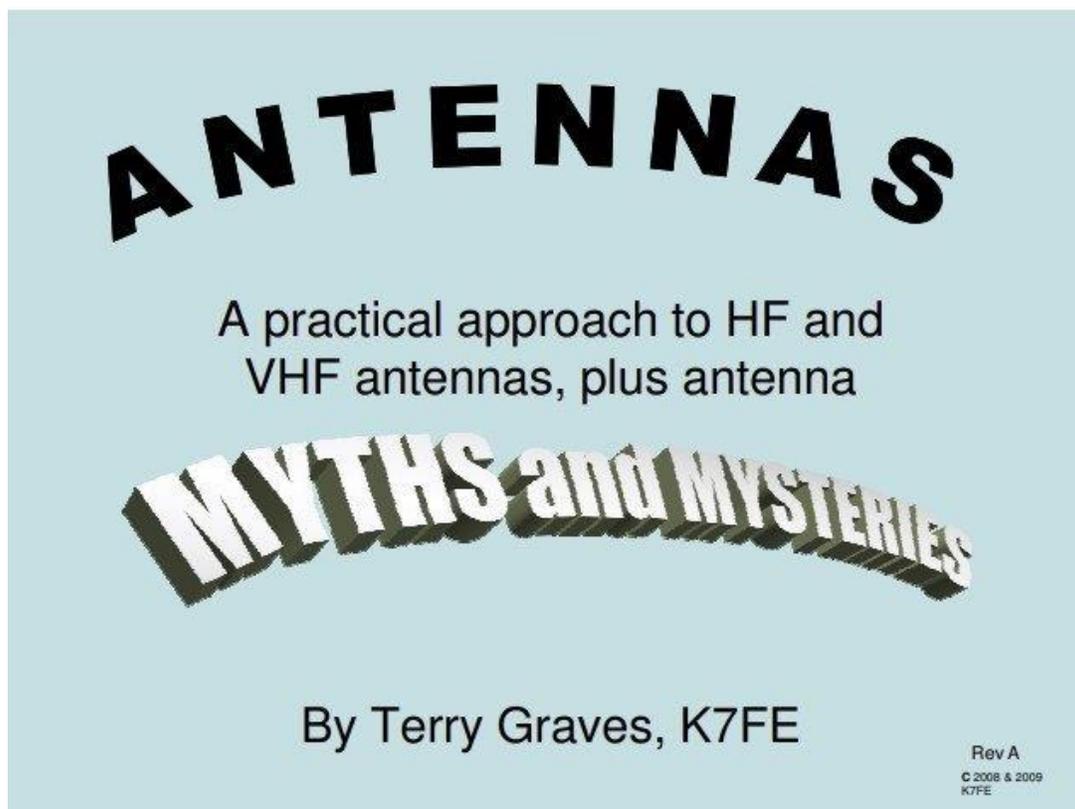
The document aims to dispel common misconceptions and provide practical insights into antennas. It emphasizes the importance of viewing antennas as systems rather than isolated components. Here are key points highlighted in the document:

- **Dispelling Antenna Myths:** The presentation challenges common misconceptions or "old wives' tales" about antennas that are often passed down to new hams as factual but are based on flawed theories.
- **Practical Approach:** Terry Graves focuses on practical aspects of HF and VHF anten-

nas, stressing the significance of understanding the entire antenna system, including elements like coaxial feedlines, radials, baluns, grounds, and matching networks.

- **Ground Conductivity:** The document addresses the impact of ground conductivity on antenna performance, emphasizing the importance of balanced coaxial or open wire feedlines with balanced antennas to minimize RF in the shack and ensure proper operation.
- **Antenna Types:** It mentions specific antenna types like 5/8-wave monopoles, copper cacti, and J-poles, providing insights into their performance compared to traditional ground plane antennas.
- **Grounding:** The presentation delves into the complexities of grounding, highlighting different types of grounds such as lightning protection ground, safety ground, RF ground, and induced ground current ground. It acknowledges that grounding is often misunderstood and surrounded by myths.

Overall, Terry Graves' work serves as a valuable resource for radio amateurs looking to debunk common antenna myths, understand practical antenna design considerations, and optimize their antenna systems for improved performance. This document is available at: https://www.arrl.org/files/media/Group/antenna_myths.pdf



The Round Table needs you!

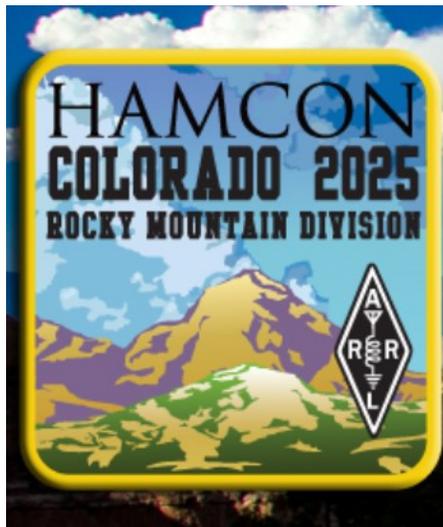
We are looking for an individual who can take over the editing of the Round Table. The new person will work with the current editor to transition the publishing approach away from Microsoft Publisher (Microsoft is stopping support for Publisher in 2026.). If you are interested in helping with producing the Round Table, please email roundtable@w0tx.org. Thank you!

HAMCON COLORADO IS COMING!

FROM JOHN MAXWELL, W0VG

The Rocky Mountain Division Convention is coming back to Colorado after nearly 9 years! We're going to have a great convention with some fantastic speakers and forums on every topic imaginable. We look forward to seeing you all October 23-26, 2025 in Grand Junction.

Thank you for your interest in HamCon Colorado. If you would like more information, go to hamconcolorado.com.



FROM THE ARCHIVES

-3-

METEOR SHOOT

The Denver Astronomical Society wishes to take this opportunity to express their deep appreciation for the fine cooperation they received from the mobile hams during the star shoot last month. The prevailing weather conditions at the time of the shoot were such that photography was impossible. However, they feel that the splendid cooperation given to them by the mobile hams would have made the shoot a one hundred percent success had the skies been clear.

WHO WANTS A PUPPY?

Walt Nettles, WØAJL, has three puppies he would like to give to someone who would give them a good home. Walt says they are a dog and a half each, being part boxer, part cocker and part collie. They should grow up to be about a 60 lb. dog. Anyone interested should get in touch with Walt at Radio Products.

JACK SHRADER

Jack, KØBBM, has his new

DX-35 on the air, and for an inhaler he is using a new RME 4300. Jack has gotten nearly all his states for WAS now, so is working on a linear amplifier to increase his power so he can get some of this choice DX that has been rolling in lately. Jack says, "With my present equipment, I can sure hear 'em, but I just ain't got the power to reach 'em."

WANTED

Someone to write a Novice Corner for the paper. It is the concensus of opinion that if we can find someone to get the names and equipment used by the new novices in this area, it will stimulate interest in bringing new members into the Club. Anyone who would like to take on this little chore, please call your editor and we will set up the preliminary details for you.

NEXT MEETING

Remember, next club meeting will be at Clayton College, 32nd and Colorado Blvd., on September 19, at 7:30 p.m. The officers that you

DRC's Emergency Response Info

In the event of a disaster in the metro area, please monitor our repeaters on 145.490/448.625 (primary) and 449.350 (secondary).

The emergency Net Control Operator will provide information and/or requests to members for assistance.

[W0TX Repeater Directory](#)

Kings Soopers Reward Program - Help the DRC.

kingsoopers.com/i/community/community-rewards

citymarket.com/i/community/community-rewards



RANDOM SITE OF THE MONTH

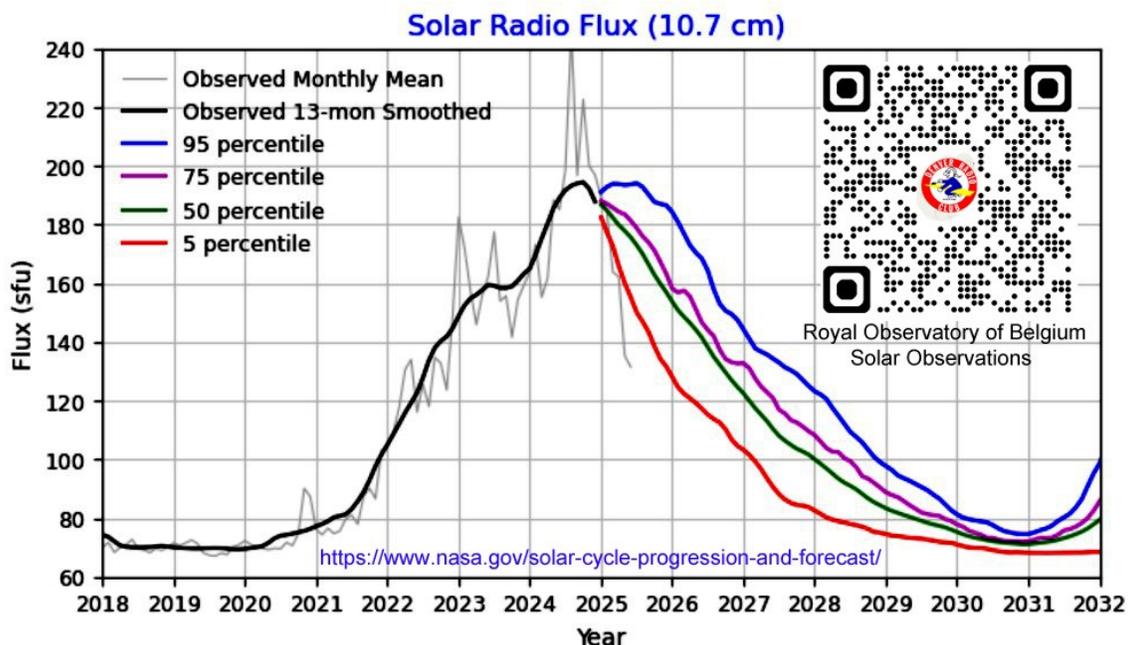
[Davie/Cooper City ARC](#)

THE ROUND TABLE ARCHIVE AND ARTICLE INDEX

w0tx.org/roundtable

PROPAGATION FORECAST

By Bill Rinker, W6OAV



UPCOMING EVENTS HAMFESTS & CONVENTIONS

| Event | Date | Location | Sponsor Website |
|------------------------|----------|----------------|--|
| Western CO ARC Hamfest | Aug 9th | Grand Junction | w0rrz.org |
| Summer Swapfest | Aug 24th | Brighton | mham.org |

UPCOMING QSO PARTIES

The following are the Contests not sponsored by the ARRL. Please submit additions for future issues.

| State/Province | Start Date | End Date | Sponsor Website | Notes |
|----------------|------------|------------|--|-------|
| Maryland-DC | 08/09/2025 | 08/10/2025 | Anne Arundel Radio Club | |
| Hawaii | 08/22/2025 | 08/24/2025 | Hawaii QSO Party | |
| Ohio | 08/23/2025 | 08/24/2025 | Ohio QSO Party | |
| Colorado | 08/30/2025 | 08/31/2025 | Pikes Peak Radio Amateur Association | |
| Kansas | 08/30/2025 | 08/31/2025 | Kansas QSO Party | |
| Tennessee | 09/07/2025 | 09/08/2025 | Tennessee Contest Group | |
| Iowa | 09/20/2025 | 09/21/2025 | Story County ARC | |
| New Hampshire | 09/20/2025 | 09/21/2025 | Port City Amateur Radio Club | |
| New Jersey | 09/20/2025 | 09/21/2025 | Burlington County Radio Club | |
| Texas | 09/20/2025 | 09/21/2025 | Texas DX Society | |
| Washington | 09/20/2025 | 09/21/2025 | Western Washington DX Club | |
| Maine | 09/27/2025 | 09/28/2025 | Wireless Society of Southern Maine | |
| California | 10/04/2025 | 10/05/2025 | California QSO Party | |
| Arizona | 10/11/2025 | 10/12/2025 | Arizona QSO Party | |

Source: qsoparty.eqth.net/index.html See contestcalendar.com/contestcal.html for a larger QSO parties list.

ATTENTION

The DRC Board of Directors meetings are held on the 4th Wednesday of each month via Google Meet and are open to any member. If you wish to attend, please contact a board member prior to the meeting night for specific information.

DRC REPEATERS

| BAND | Freq / Shift / PL Tone | Additional Information |
|--------|--|--|
| 6m | 53.090MHz (-1MHz) 107.2Hz PL | |
| Packet | 145.05MHz | Metro Denver Area Coverage |
| 2m | 145.490MHz (-) 100Hz PL | Linked to 70cm / 448.625MHz. Primary frequency during emergency net. |
| 2m | 147.330MHz (+) 100Hz PL | Local area. Does not TX a PL. |
| 1.25m | 224.380MHz (-) 100Hz PL | |
| 70cm | 447.825MHz (-) DCS~073; NB 12.5; +/- 2.5 | Saint Anthony's. Note: This is a narrow band repeater requiring DCS. |
| 70cm | 448.625MHz (-) 100Hz PL | Linked to 2m / 145.490MHz. 1° disaster net freq. |
| 70cm | 449.350MHz (-) 100Hz PL | Wide area coverage with Echolink, node # 4140. Secondary frequency during emergency net. |
| 70cm | 449.775 MHz (-) | Yaesu digital, C4FM, Wires-X, DN, VW & Data. No analog FM. W0TX Room 40931. |
| 70cm | 446.7875MHz (-) | BrandMeister Repeater: Slot 1 – Wide Area Traffic, Slot 2 – Local Talk Group 310804 |

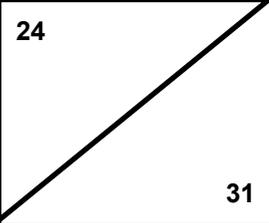
DRC's Trading Post

Don't forget you can find **locally-sourced, ham-grown** merchandise at: w0tx.org/trade

**HAM
RADIO
OUTLET**

NOBODY BEATS AN HRO DEAL!

COME VISIT US AT
8400 E ILIFF AVE #9, DENVER, CO 80231
 TOLL FREE: 800.444.9476 | DIRECT: 303.745.7373 | EMAIL: DENVER@HAMRADIO.COM
HAMRADIO.COM

| AUGUST 2025 | | | | | | | <i>DRC Net Sundays at 8:30 p.m. on 145.490 / 448.625 (no PL)</i> |
|---|-------------------|---------|---|----------|---|---|--|
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | |
| | | | | | 1  First Quarter | 2 222 MHz & Up | |
| 3 222 MHz & Up | 4 | 5 | 6 Learning Net 7:30 p.m. 145.490 / 448.625 (No PL) | 7 | 8 | 9  Full Moon | |
| 10 | 11 | 12 | 13 Learning Net 7:30 p.m. 145.490 / 448.625 (No PL) | 14 | 15  Last Quarter | 16 10 GHz & Up EME 2.3 GHz & Up | |
| 17 10 GHz & Up EME 2.3 GHz & Up Rookie Roundup | 18 10 GHz & Up | 19 | 20 DRC Lunch 11:30 @ Sunrise Sun- set, Lakewood DRC Meeting Elmer 6 p.m. General 7 p.m. | 21 | 22 | 23  New Moon | |
| 24  31 | 25 | 26 | 27 Learning Net 7:30 p.m. 145.490 / 448.625 (No PL) | 28 | 29 | 30 | |

See arll.org/contest-calendar for additional details about contests.

DRC BOARD OF DIRECTORS

| | | | | |
|----------------|--------|-----------------|--------------|--|
| President | W0GV | Gerry Villhauer | 303-467-0223 | president@w0tx.org |
| Vice-President | K0KPS | Kevin Schmidt | 303-475-9234 | k0kps@arrl.net |
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| Board Member | K1DBC | Doron Ben Chaim | 720-254-1561 | k1dbc@w0tx.org |
| Board Member | AB8WN | Peter Sobanski | 720-884-7470 | ab8wn@w0tx.org |
| Board Member | N6WHV | Dick Nelson | | n6whv@w0tx.org |
| Board Member | KB0CHT | Jeff Irvin | Check Roster | Check Roster |

DRC STAFF AND VOLUNTEERS

| | | | | |
|-----------------------|--------|------------------|--------------|--|
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| EmComm Coordinator | Open | | | emcomm@w0tx.org |
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| Trustee | WW0LF | Orlen Wolf | 303-279-6264 | trustee@w0tx.org |
| VE Team | K0RAP | Robert Pickett | 720-336-0114 | k0rap@w0tx.org |
| Website & YouTube | K1DBC | Doron Ben Chaim | 720-254-1561 | websiteadmin@w0tx.org |

Please Let Us Know

Over the years we occasionally hear from hams who have read the Round Table in other states and countries around the world. We appreciate the comments and we would like to know where you are located. So if you live outside the Front Range or Denver Metro Area and read the newsletter either online, email or hard copy please send a short note via email with your *City, State or City, Country*.

We will publish it at a later date in our new regular feature called Round Table Round World.

To respond to this request send your information to roundtable@w0tx.org.

Subject: I'm located in...

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DRC members - this is your newsletter. Please email your club or amateur radio related suggestions to the editor. Members are the heart of The Denver Radio Club, so if you have an expertise or an interest in a particular segment of ham radio that you'd like to write about, you may email your submissions to roundtable@w0tx.org. The submission deadline is the 25th of the Month. ~ Editor