



THE ROUND TABLE

Monthly Newsletter Of The Denver Radio Club

Since 1917

May 2024

PRESIDENT'S MESSAGE

BY GERRY VILLHAUER, W0GV

Hello DRC Members.

I hope you all survived our last series of rain storms. During the heavy rains at my house, the water was covering the entire street. No harm done as far as I know. Having several antennas and a tower, I am always most concerned with the lighting.

We had our first in a series of DRC Saturday's on April 27th. It was a successful event with several in attendance taking on the project of building a Balun transformer. Thanks to Mark, N0XRX for hosting the event in his very comfortable garage.

The next DRC Saturday will be held on May 25th. This will be something we have never done before. A Pico Balloon Launch. What is a Pico Balloon you ask? It is a small balloon, similar to the size of a party balloon. It will have a small solar panel and radio transmitter attached; the whole assembly weighs only a few grams. After launch, its voyage will be tracked via a radio receiver. Some of these balloons have been known to travel several times around the earth; Although unusual, it is very possible, depending on weather and other factors. More information and the launch location will be determined as we get closer to the launch date. Stay tuned and plan to attend!

Denver Radio Club Lunch: An informal face-to-face meeting of DRC members will start on the third Wednesday of each month at 11:30 a.m. The location is at the Valley Inn Restaurant, 1997 S Wadsworth Blvd, in Lakewood. This restaurant is on the southern edge of the King Soopers Shopping Center at Jewell and Wadsworth. No reservations are required. If you are interested in meeting and talking about radio, or other topics, don't hesitate in coming by.

Thanks to Joe Eisenberg, K0NEB for a very interesting presentation on Kit Build at our April meeting. We hope to have Joe back for another and different presentation in the future. As of this writing, we have not confirmed a program for our May meeting which will be on Wednesday May 15th. Stay tuned to our nets and the DRC website for more information as it develops.

We recently received our second check from King Sooper Community Awards. If you have not gone to King Soopers website and signed up making; The Denver Radio Club, as your chosen recipient, please do so. All you need to sign up is a King Sooper Rewards card. This costs you nothing and really helps the club's treasury. Thank you in advance for signing up.

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?

FROM CATHY VILLHAUER, N0CRZ, DRC MEMBERSHIP

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:

Fred Ackermann - K7SPA	Matt Gallant - KFØDDJ
Sam Jonas	

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.

QUESTION OF THE MONTH

BY BILL RINKER, W6OAV

What are the Best Attic Antennas and Why?

The answer can be found on page 7 of the Dec 2015 issue of the Roundtable:
[https://w0tx.org/RoundtableArchive/2015-RoundTables/RT201512\(DEC\).pdf](https://w0tx.org/RoundtableArchive/2015-RoundTables/RT201512(DEC).pdf)

2024 DRC HAMFEST

BY BILL WORTHINGTON, KE0YKV

The DRC 2024 Hamfest is scheduled for Sunday, August 25th and will be held at the Adams County Fairgrounds, 9:00 am to 1:00pm. As the new Hamfest coordinator, I am going to need some help. The most pressing need is to arrange the food and drinks. I also need help with ticket sales, door prize raffle, VE testing, equipment sales, and vendor registration. If anyone can offer some help, I would greatly appreciate it. I can be reached at drcfest@w0tx.org or 720-626-5485.

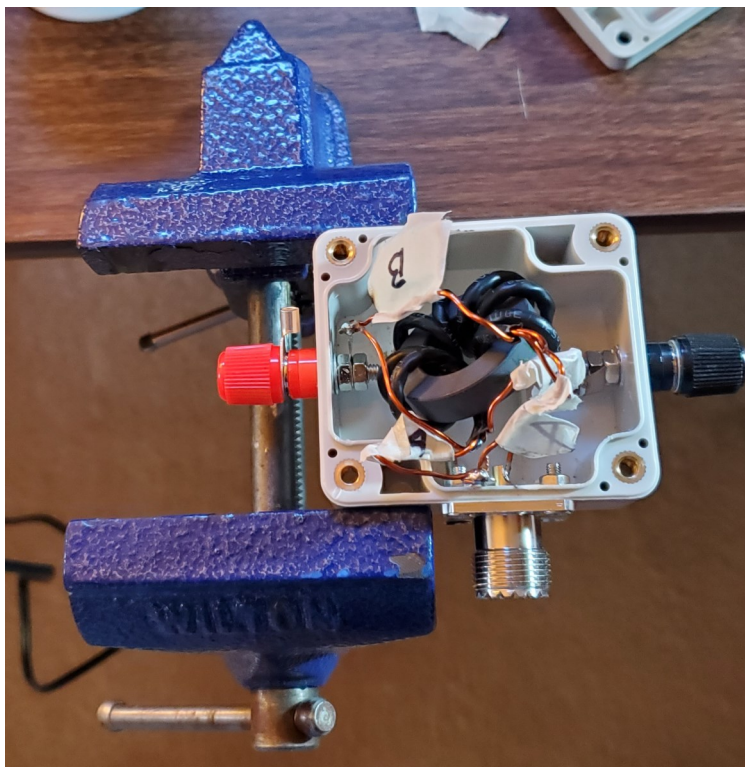


DRC SATURDAY- KIT BUILD

Some pictures from the April 27th DRC Saturday Balun transformer build.



Bill Worthington's (KE0YKV) completed work:



Join the club on May 25th's DRC Saturday for the pico balloon launch. This will be located East of DIA. The club will build a pico balloon and take to the launch site early in the morning and then track the balloon and recover "hopefully" still in working order. More information will be provided as this event gets closer. The date may also change due to weather and/or launch window permissions. Stay-tuned.

LAKWOOD SIREN TEST RESCHEDULED

BY KEVIN SCHMIDT, K0KPS

Lakewood City has tentatively rescheduled their siren test for June 5th. Club members will reach out to schedule sites as the date approaches. More information to follow.



DRC ECHOLINK HAS A NEW BRAIN!

BY BILL RINKER, W6OAV

Our club's Echolink server has faithfully served us for many years. However, over the past year, the old server has been intermittently crashing, causing disruptions.

To address this issue, several months ago, Gerry, W0GV, purchased a new laptop to replace the aging server. Scott, N0OBA, kindly volunteered to program the new laptop with the Echolink software. Scott then took the laptop over to Dave's, K0HTX, location, where they both spent time configuring and wiring the new system. Their collaborative efforts have resulted in a smoothly functioning Echolink setup.

The club would like to extend a very heartfelt "thank you" to Scott and Dave for their work in upgrading the Echolink server. Their technical expertise and willingness to volunteer their time have ensured the continued reliable operation of this important club resource.

DLARC

BY BILL RINKER, W6OAV

The Digital Library of Amateur Radio & Communications (DLARC) is an online library that provides access to a vast collection of amateur radio and communications resources. Established in 2022, DLARC is a collaborative project between the Internet Archive and the Amateur Radio Digital Communications (ARDC) organization. One can easily spend hours browsing this library!

The DLARC repository encompasses a wide range of materials, including:

Books: DLARC offers a comprehensive collection of amateur radio books, both in print and electronic formats. These books cover a wide range of topics, from basic radio theory to advanced antenna design.

Periodicals: DLARC provides access to a vast archive of amateur radio periodicals, including magazines, newsletters, and journals. These periodicals span decades of amateur radio history and offer valuable insights into the evolution of the hobby.

Audio and Video Recordings: DLARC features a collection of audio and video recordings related to amateur radio, including lectures, presentations, and interviews. These recordings provide a unique opportunity to learn from experienced amateur radio operators and delve into various aspects of the hobby.

Software and Hardware Resources: DLARC offers access to a range of software and hardware resources related to amateur radio, including simulation tools, schematics, and construction guides. These resources can be valuable for both beginners and experienced amateur radio operators seeking to expand their knowledge and skills.

The DLARC collection is continuously growing, with new materials added regularly. The library's user-friendly interface makes it easy to browse, search, and discover resources of interest. DLARC also offers a variety of filtering and sorting options to help users quickly navigate the vast collection.

The DLARC collection is available at <https://archive.org/details/dlarc>



FT8 GUIDES

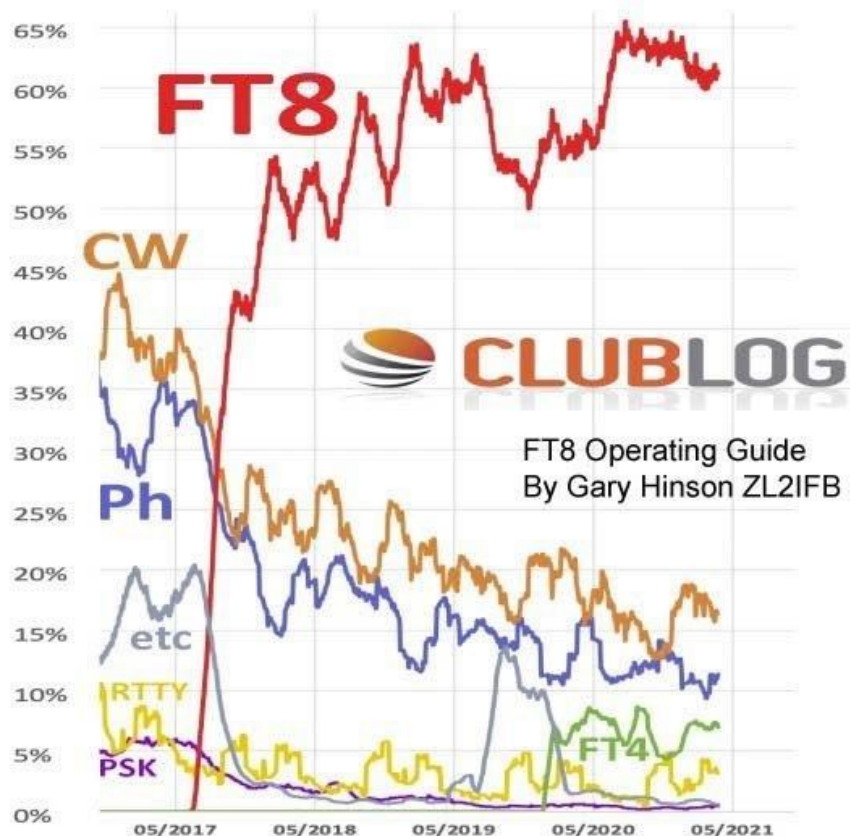
BY BILL RINKER, W6OAV

Anyone tuning the bands today has heard the many FT8 tones towards the bottom of the bands. FT8 has taken the ham community by storm! It is a mode that is designed for weak signal operation, and it can be used to make contacts with hams that are many thousands of miles away.

To assist the FT8 community, Gary Hinson, ZL2IFB, has written a very comprehensive guide for FT8 operators. This guide consists of 84 information packed pages with practical visuals and is essential for any serious FT8 operator. The free PDF guide is available at: https://www.g4ifb.com/FT8_Hinson_tips_for_HF_DXers.pdf

Also, Brant Kelsey, W4YAF, has written a nice FT8 beginners guide which is available at: <https://www.w4yaf.com/operating/digital-modes/the-beginners-guide-to-ft8-ham-radio-how-to-get-started/>

If you are not familiar with how FT8 sounds, go to: <https://www.youtube.com/watch?v=8u3eLPKpyY4>



HAM RADIO IN THE AFTERLIFE

BY UNKNOWN

Two ham friends, John and Bill, were discussing if there was ham radio in the afterlife. They developed a plan to find out. They agreed that whoever dies first will come back from the dead to tell the other one if there was ham radio.

One sad day, Bill lost his life. John was devastated but hoped that Bill would keep his side of the agreement. A few weeks later, in the middle of the night, John heard an eerie voice calling his name.

Awakened, John asked: "Is that you, Bill?"

"Yes." Bill replied.

"So? Is there ham radio in the afterlife?" asked John.

Bill answered, "Well, I have good news and bad news."

John, "Give me the good news first."

Bill, "The good news is that certainly there is Radio in the afterlife."

John, "That's great news! There cannot be bad news then!"

Bill, "The bad news is that you'll be Net Control this Monday at 7 PM."

~ GET PUBLISHED ~

We welcome and encourage all members to share their experiences and stories so that we can all learn from one another. It can be long or short. If we can't fit it into one newsletter, we can split it across multiple issues. Not a writer? We have volunteers that will listen to your story and put it into an article, and of course you will have the opportunity to review and approve prior to publication. Your contribution to the club is welcomed and appreciated. ~Editor

DRC's Trading Post

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

The DRC needs you!

Please contact W0GV (president@w0tx.org) if you are interested in helping with the open positions.
See the list at the end of the newsletter.

PAST ROUND TABLE PAGES

PROVIDED BY WOODY LINWOOD, W0UI

From the September 1960 edition.

GUARANTEED USED BARGAINS		RAPSCO		TIME PAYMENTS	
Gloge Chief 90 Xmtr	49.95	National 183D W/Speaker	229.95		
Gloge Chief 90 Xmtr	55.00	National NC300 W/Spkr. Calif.	299.95		
Gloge Chief 90A (Factory Wired)	61.95	National NC188 Rcvr Like New	124.95		
Gloge 300A Xmtr	349.95	National 6 & 2 VFO Like New	49.95		
Gloge 165A Xmtr CW Only	49.95	National NC300 Rcvr	279.95		
Gloge QT 10	7.50	National NC33	39.95		
Hammarlund HQ145 Rcvr	229.95	Babcock PS1B Power Supply	24.95		
Lakeshore IIB SSB Exc.	299.95	PE103 Dynamotor W/Cables & Base	24.95		
Lakeshore Bandhopper VFO	69.95	Aerovox 30 mfd 1200 VDC	3.95		
Heathkit HD1 Harmonic Distortion Meter Kit	49.95	10 mfd 600 VDC Oil-Filled	1.98		
Heathkit DX20 Emtr	24.95	DB Carrier Level O-1 DMCA			
Heathkit VP1 VFO	15.95	Min. Meters	3.07		
Howard 435 Rcvr Fair Cond.	24.95	American Electronics "Scope" 455 kc IF	99.95		
Meissner Deluxe Signal Shifter VFO	19.95	American Electronics "Scope" 80 kc IF	99.95		
RME 100 Speech Clipper	24.95	Sonar VFX680 Exciter	34.95		
Drake Q Multiplier	19.95	Terado 6VDC "SR" Converter	7.95		
Hallicrafters SR500 Complete SSB Station Console Mounted New	1,295.00	Bud FCC90A Calif. No tubes of Xtal	7.95		
Hallicrafters HT17 Xmtr Needs Work	19.95	Collins 32V2 Transmitter	\$ 249.95		
Hallicrafters HT18 Xmtr/VFO	24.95	Collins 32V3 Transmitter	329.95		
Hallicrafters HT19 NBFM/Xmtr	239.95	Collins 312B-3 Spkr Like New	19.95		
Hallicrafters HT32 Xmtr	449.95	Collins 758-1 Rcvr Like New	449.00		
Hallicrafters CB-1 Citizens Band Demo	109.95	Collins 32S-1 Xmtr Like New	567.00		
Hallicrafters SR34AC 4&2 Transceiver	349.95	National HRO-W W/9 coils, 6v. supply	119.95		
Hallicrafters SJ101 Rcvr	319.95	Morrow FW6 Power Supply	12.95		
Hallicrafters SX101A Rcvr	339.95	Morrow FTB6 Fixed Freq. Rcvr Demo	99.95		
Hallicrafters SX24 No 8 Meter	34.95	Morrow MLV50 6v Mobile Ant Tuner	19.95		
Hallicrafters S38E	39.95	Morrow MLV50 12c Mobile Ant Tuner	19.95		
Hallicrafters SX71 Rcvr	129.95	Morrow SBRI Mobile Conv. New	49.95		
Stancor 10P Xmtr	19.95	Morrow MB560 Mobile Xmtr	159.95		
Stancor ST203A Emtr, 6 v. sup. & ant.	49.95	Johnson Viking Mobile Xmtr Kits Demo	79.95		
Navy LUG Freq. Meter New	59.95	Knight Span Master Rcvr	24.95		
Frederick FT109 Beam Ant. Demo	199.95	Heathkit RX-1 Rcvr	299.95		
Elmac 1050 Power Supply	39.95	B&W 5100 Xmtr Conv. to 5100B	334.95		
Elmac CD5 12vdc CB Transceiver	114.95	Eico 720 Emtr	79.95		
H-Wells VPS-R9 Power Supply	30.50	Eico 730 Modulator	49.95		
H-Wells "Z" Match	49.95	Surplus 831SPN Amphenol Coax Connectors, 12 for	4.90		
H-Wells DPS50 Dyna. 6VDC Pwr Supply	79.95	Millen 90800 Xmtr/Exc Special	29.95		
H-Wells DPS50 Dyna. 12VDC Pwr Supply	49.95	Millen 90281 Pwr Supply Special	49.95		
B&W 416 Low-Pass Filter	12.95	BC645 Surplus Xmtr-Rcvr 435-500 Mc.	29.95		
Motorola FMTRU 30D Xmtrs & Rcvrs 152-174 Mc W/Ants, Mikes, Control Unit, 2 Units 6VDC, 2 Units 115VAC. Can be conv. to 2 meters. A rare bargain at	169.95	Gonset 3002 3-30 Converter New	49.95		
Precise 713 Wired Power Lab	79.95	Gonset 3009 FM Converter New	49.95		
Precise 760K Reg. Power Sup.	39.95	Gonset 3010 FM Converter New	49.95		
Johnson Viking II Emtr	179.95	Gonset Communicator II 2 meter	149.95		
Johnson Navigator Xmtr	139.95	Gonset Super 12 Converter	49.95		
Johnson 122 VFO	29.95	Gonset Super 6 Converter	39.95		
Johnson 250-20 Matchbox	39.95	Gonset GSR101 Linear Amp Like New	416.95		
Johnson 10 Watt Amplifier Demo	69.95	Gonset 6-15-20 Conv. AC oper.	49.95		
		Gonset 500W SSB Linear Amp.	189.95		
		Gonset Superceiver	39.95		

RADIO PRODUCTS SALES COMPANY

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Free Parking at 1540-50 Larimer Street

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DRC's EMERGENCY RESPONSES

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.
kingssoopers.com/i/community/community-rewards
citymarket.com/i/community/community-rewards



RANDOM SITE OF THE MONTH
[Radio Club Uruguayo](#)



THE ROUND TABLE ARCHIVE AND ARTICLE INDEX

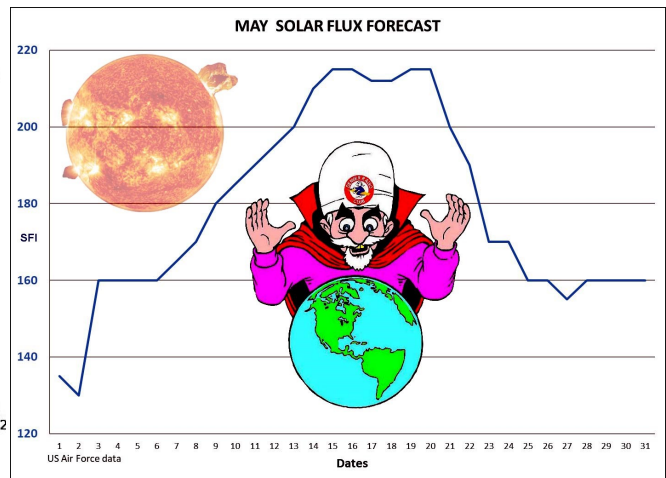
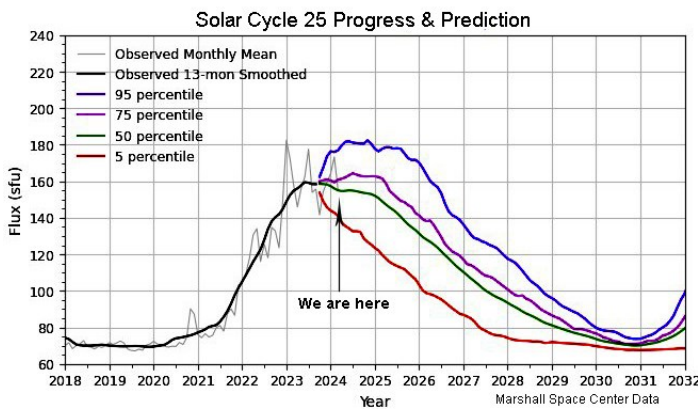
w0tx.org/roundtable

PAST & FUTURE PROPAGATION CONDITIONS

By Bill Rinker, W6OAV

The charts below show the Solar Flux and "A" indexes for last month and the forecast for this month's Solar Flux index.

Refer to the September 2010 *Round Table* for more complete information on interpreting these charts, which is available at: [http://www.w0tx.org/RoundtableArchive/2010-RoundTables/RT201009\(SEP\).pdf](http://www.w0tx.org/RoundtableArchive/2010-RoundTables/RT201009(SEP).pdf)



UPCOMING EVENTS HAMFESTS & CONVENTIONS

Event	Date	Location	Sponsor Website
Montrose ARC Tail Gate Party	6/1/24	Lions Club Pavilion	montrosehamradio.org
Megafest	7/27/24	Lewis-Palmer High School	ppraa.org/megafest

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
Arizona	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Connecticut	05/04/2024	05/05/2024	New England QSO Party	
Delaware	05/04/2024	05/05/2024	First State Amateur Radio Club	
Idaho	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Indiana	05/04/2024	05/05/2024	Hoosier DX and Contest Club	
Maine	05/04/2024	05/05/2024	New England QSO Party	
Massachusetts	05/04/2024	05/05/2024	New England QSO Party	
Montana	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Nevada	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
New Hampshire	05/04/2024	05/05/2024	New England QSO Party	
Oregon	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Rhode Island	05/04/2024	05/05/2024	New England QSO Party	
Utah	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Vermont	05/04/2024	05/05/2024	New England QSO Party	
Washington	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Wyoming	05/04/2024	05/05/2024	The 7th Call Area QSO Party	
Arkansas	05/18/2024	05/19/2024	The Noise Blankers Radio Group	

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. Has voting receivers. Does not TX a PL.
2m	147.330MHz (+) 131.8Hz PL	Test mode operation. Send signal reports to Tech Committee.
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

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MAY 2024							<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 Learning Net 7:30 p.m. 145.490 / 448.625 (No PL)  Last Quarter	2	3	4	
5	6	7  New Moon	8 Learning Net 7:30 p.m. 145.490 / 448.625 (No PL)	9	10	11	
12 	13	14	15 DRC Lunch 11:30 @ Valley Inn Restaurant, Lakewood. DRC Monthly Online Meeting Elmer 6 PM Meeting 7 PM  First Quarter	16	17	18	
19	20	21	22 Learning Net 7:30 p.m. 145.490 / 448.625 (No PL)	23  Full Moon	24	25 DRC Saturday Pico Balloon Launch Location: TBD. See DRC website.	
26	27 	28	29	30	31		

See arrl.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	WG0N	Dave Baysinger	303-987-0246	wq0n@arrl.net
Board Member	KB0CHT	Jeff Irvin	Check Roster	Check Roster

DRC STAFF AND VOLUNTEERS

Benevolent		Carolyn Wolf	303-279-1328	benevolent@w0tx.org
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EmComm Coordinator	AD0UZ	Brennan Pate	Check Roster	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