COLLINS AMATEUR RADIO CLUB
Richardson, Texas

SIGNALS
MONTHLY NEWSLETTER

Volume 47 Issue 04 **Web Site** http://www.n5cxx.us **January 2026**

CARC
Membership Meeting

Tuesday 27 January 2026 5:30 PM

The Meeting will be at

Woodcreek Church

3400 E. Renner Rd, Richardson TX

(and via Zoom)

Show 'n Tell

January Meeting

Plan to attend our Annual Show 'n Tell meeting on Tuesday, January 27th, 5:30pm, at Woodcreek Church, 3400 E. Renner Rd., Richardson.

Several members have already stepped up to show some interesting electronic devices that are useful in the ham shack, along with some hints and tricks for use in the field and at home.

We would like to offer a few more, so if you have a neat device, homebrew project, software app, clever website or nifty operating gimmick, please offer to give a five-to-ten minute talk about your subject. We can help prepare a slide deck of photos, screenshots and text if you wish - OR - just show your item and speak about it.

To be part of the agenda, send a brief description of your Show 'n Tell to vp@n5cxx.us as soon as possible. Together we can make this our best Show 'n Tell ever.

CARC owns 2 generators and ancillary equipment which we use for Field Day and other emergency/practice operations. These are Honda EU2200i generators which have been modified for tri-fuel operation. Our current prac-tice is to use only propane.

These generators have been stored at the homes of members since being purchased in 2021 and are in need of a new home. This will involve running the generators periodically and checking oil levels.

If you have some room in your garage and are willing to exercise the generators to keep them in good running order, please contact our Club President, Mike Montgom-ery, WD5TX, at (972) 890-1149.

Tues. Jan. 27 - 5:30pm - Membership Meeting at Woodcreek Church

Tues. Feb. 3 - 5:30pm - Drive Home Net (441.9875)

Tues. Feb. 3 - 7:00pm - 1st Tuesday Elmer Night via Zoom

Tues. Feb. 10 - 5:30pm - Drive Home Net (441.875)

Tues. Feb. 10 - 7:00pm - CARC Board of Directors via Zoom

Tues. Feb. 17 - 5:30pm - Drive Home Net (441.875)

Tues. Feb. 17 - 7:00pm - 3rd Tuesday Elmer Night via Zoom

Tues. Feb. 24 - 5:30pm - Membership Meeting at Woodcreek Church

CARC LEADERSHIP

PRESIDENT		VICE-PRESIDENT	
Mike Montgomery	WD5TX	Frank Krizan	KR1ZAN
president@n5cxx.us		vp@n5cxx.us	
SECRETARY		**TREASURER**	
Jim Brown	AF5MA	Mark Dempsky	N5MD
secretary@n5cxx.us		treasurer@n5cxx.us	
ACTIVITIES CHAIRMAN		**IMMED PAST PRESIDENT**	
OPEN		Bill Swan	K5MWC
activities@n5cxx.us		Director@n5cxx.us	
STATION TRUSTEE		**NEWSLETTER EDITOR**	
Mike Montgomery	WD5TX	Jim Skinner	WB0UNI
trustee@n5cxx,us		newsletter@n5cxx.us	
MEMBERSHIP		**WEBSITE MANAGER**	
Frank Krizan	KR1ZA	Mike Hollingsworth	W5QH
membership@n5cxx.us		webmaster@n5cxx.us	

VE SESSIONS

The Northeast Metro ARRL License Testing Group will hold testing sessions on the **first** Monday each month (except holidays) at the Garland Amateur Radio clubhouse in downtown Garland TX, 1027B Austin St., Garland TX 75040 beginning August 2023. Time 6-8pm. All who want to test for an amateur radio license are welcome. You will need **photo ID**, **FRN from FCC** and **$15.00 correct cash**. All forms, etc., will be provided by testing group. You can reserve a seat by calling Kerry Weeks at 214.478.3230 or email at weeks.kerry@gmail.com in advance of the test.

Dallas tests are held on the fourth Saturday of each month at 1000 hrs. 13350 Floyd Rd. (Old Credit Union) Contact Bob West, WA8YCD 972.917.6362

Irving tests are held on the third Saturday of each month at 0900. Fifth and Main St. Contact Bill Revis, KF5BL 252-8015

McKinney VE test sessions are held at the Heard Museum the first Sunday of the month. The address is 1 Nature Place, McKinney TX. The time of the testing is 1430, ending no later than 1645. ***Note: no tests given on holiday weekends.***

Garland in-person testing is held on the first Saturday of each month and begins at 1000 sharp. Location is Freeman Heights Baptist. Church, 1120 N Garland Ave, Garland (between W Walnut and Buckingham Rd). Enter via the north driveway. A HUGE parking lot is located behind the church. Both the parking lot and the Fellowship Hall are located on the east side of the church building, with big signs by the entrance door. Contact Janet Crenshaw, WB9ZPH at 972.302.9992. *** Online video testing via Zoom is, also, offered on the 1st & 3rd Thursdays at 1900. See https://sites.google.com/site/wb9zph. ***

Plano testing is on the third Saturday of each month, 1300 hrs at Williams High School, 1717 17th St. East Plano. Check Repeater 147.180+ for announcements.

Richardson The Richardson Wireless Klub (RWK) VE team hold license testing on the third Thursday of each month at St. Barnabas Presbyterian Church, 1220 West Beltline Rd. Testing begins at 1900 hrs in room 12. Enter through the Northern most door on the east side of the church building. For further information contact Don Klick KG5CK. 972.464.2889 or E-mail rwkhamtest@gmail.com.

S I G N A L S is the monthly newsletter of the Collins Amateur Radio Club, published by and for its members.

President's Message.

No Presicent's Message available this month.

Mike Montgomery
WD5TX

Vice-President's Report

As we begin a new year, let's all resolve to be more active in our Club. We can do this by ensuring your membership is up-to-date (i.e., dues paid if necessary), attending monthly meetings, participating in Club events and activities (especially on-the-air events) and promoting our Club to others who are interested in amateur radio.

Remember that full membership is open to employees and retirees of Collins Aerospace and all current and legacy divisions of Collins and Raytheon. Local RTX employees who are not officed at 3200 E. Renner Rd. are eligible to obtain badge access to Building 461 to allow them unescorted access to the Club's radio room.

We are planning a one-day Technician Licensing Class to be held on Saturday, April 11th at Woodcreek Church; more on this next month. Space will be limited and Collins/RTX employees/retirees (and their families) will be given priority in registering.

CARC's fiscal year ended on Dec. 31st, and many of our members memberships have expired. Those members whose memberships that expired at the end of 2025 should have received reminders in November, but may have overlooked the need to renew because of the holidays. We'll be sending out additional reminders in the next few days. Please consider renewing your membership and becoming an active member of CARC. If you're not sure of your membership status, simply log onto HamClubOnline.com and choose CARC as your club; you'll be able to review your Membership Profile … OR … send an email to vp@n5cxx.us and ask about your membership.

For many years, we've conducted surveys at the end of each year and tried to schedule programs/speakers for the entire new year. This year we're trying something a bit different. We're only scheduling out two to three months and asking for input at every meeting to find out members' current interests. Our January meeting brings back a favorite - Show 'n Tell Night. February will be a presentation on what our Packet Bulletin Board System (PBBS) is and how to use it. Then, based on member input at our January meeting, we'll plan for March and possibly April.

Remember, all our meetings (except social gatherings) are streamed via Zoom. If you can't make it in-person, we hope you'll join us via Zoom.

73, Frank KR1ZAN

Secretary's Report

There is no December 2025 meeting secretary's report since the meeting was the annual CARC Christmas dinner.

Minutes of CARC Board of Directors Meeting

13 January 2026

The informal pre-meeting workshop began at 1907 via Zoom.

The following Board members logged into the meeting:

Frank Krizan KR1ZAN, Vice President

Jim Brown AF5MA, Secretary

Mark Dempsky N5MD, Treasurer

Bill Swan K5MWC, Immediate Past President

One non-voting CARC member also logged in:

Wayne Collins KI5YOQ

The pre-meeting workshop was a general discussion covering a number of subjects. Topics discussed included:

Update of Membership Application. The Club dues changes approved at the November 2025 Annual Meeting dictated an update to the membership application. Jim Brown AF5MA updated the application, and all changes were agreed informally by the Board. Frank Krizan KR1ZAN will post the revised application to the website.

New CARC President. President Mike Montgomery WD5TX has informed the Club that he is being transferred permanently by Collins Aerospace to the Omaha area; timing was not specified, but transfer is expected in a month or two. The Board discussed options for his replacement as Club president, but no viable alternates were identified.

Upcoming Programs. Frank Krizan identified plans for the next three upcoming meetings:

January 27 – Show and Tell Night

February 24 – Overview of the CARC Packet Bulletin Board System (PBBS)

March 24 – Overview of FT8 (tentative)

Beginning in January, members will be asked to propose and vote on topics for future meetings.

Disposal of Unneeded Club Equipment. Discussion addressed the disposal of the Club's 30S-1 linear amplifier. Tentative plans were discussed for conducting an auction for the membership, but no specifics were defined.

Storage of Club Generators. Mike Mongomery is currently storing the Club's propane-powered generators. When he leaves the area a new storage location will be needed. No solutions were defined.

Formal Board Meeting. Since no motions were developed during the informal session and no Board member indicated they had formal business to conduct, Vice President Frank Krizan declared that no formal session was needed and adjourned the meeting at 2002.

CARC Membership Now Open to Raytheon

The CARC Board of Directors determined at its July meeting that Full memberships will be extended to Raytheon employees and retirees. The CARC Constitution states this implicitly.

We invite all Raytheon employees, contractors, and retirees to join the Collins Amateur Radio Club by submitting a membership application, which can be found on the Club website (n5cxx.us) or directly at: https://www.n5cxx.us/Club Membership Form.pdf

All current members who may know Raytheon employees or retirees who are hams or interested in amateur radio should let them know about our Club and encourage them to join. New members get the remainder of 2025 and all of 2026 for one annual fee.

CARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participated in the Richardson outdoor warning siren testing. The January 2026 test was conducted on 7 January. All but one (same as last month) of the twenty-six sirens were fully functional. The sirens are monitored by amateur radio operators and reports made using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz. Siren testing occasionally uses the University of Texas at Dallas (UTD) repeater at 145.430 MHz, as backup. Frank Krizan, KR1ZAN, helped with the Garland Siren Test on Wednesday January 7th. Garland Siren Tests are conducted on the Garland ARC 146.66 MHz repeater.

Crime Watch Patrol Jim Skinner WB0UNI participates in Richardson Duck Creek Crime Watch Patrol (CWP). CWP members, after successful completion of Richardson Police Department training, patrol their neighborhoods and report all suspicious activities to the police department.

Elmer Night

The Club's new quarterly meeting format, which includes a night to construct personal projects, doesn't provide sufficient time for troubleshooting, discussing issues, trying new things … so, we've added something new to help those working on Club projects and for all members who may seek a place to ask questions or share interesting info related to amateur radio.

We call this "Elmer Night" and they take place via Zoom using the standard Zoom login that is available on the n5cxx.us website via a link just below the meeting announcement. Elmer Nights are the first and third Tuesdays of each month, starting at 7pm. Sessions tend to run from one hour to about an hour-and-a-half.

The primary focus is info related to the current project, followed by previous project issues or questions and then general amateur radio questions and findings.

We hope you'll consider joining us even if you're not currently working on a Club project. You may be the person with a solution to someone's question or problem.

Join Us On Tuesdays for the Collins ARC Drive Home Net
5:30pm 441.875 MHz +5MHz, PL=131.8Hz
(No Nets on Meeting Nights)
Logs now available on n5cxx.us website

When Rusty Bolts Turn Into Radios

Hunting down a mysterious source of interference at a radio station or repeater site can be challenging. It's usually intermittent, it's broadband, and it sounds like garbage. You check the duplexers, swap the feedlines, and test the transmitter. Everything looks clean. Yet, the noise persists. Before you tear your hair out, take a look at the tower itself or any nearby metal objects, such as fencing. The culprit may be a rusty (oxidized) bolt. This phenomenon, known in the engineering world as Passive Intermodulation (PIM) is a fascinating example of how simple physics can be both a curse for repeater owners or perhaps a blessing for someone wishing to receive signals clandestinely.

To understand why a rusty fence or a loose guy wire can generate RF signals, we have to look at the junction where two metals meet. In a perfect world, a metal-to-metal contact is a linear resistor. If you double the voltage across it, you double the current through it. But in the real world, metals corrode. When copper, steel, or aluminum oxidize, they form a thin layer of rust or tarnish. The amount of oxidation depends on the galvanic response between each metal as well as how much moisture is introduced.

Here is the kicker: many metal oxides are semiconductors.

When you have two pieces of metal touching with a thin oxide layer in between, you've effectively created a crude diode. Unlike a linear resistor, a diode is a non-linear device. It doesn't just pass current; it distorts it. Specifically, it acts as a Square Law Device. If you feed a pure sine wave into a perfect resistor, you get a clean sine wave out. But if you feed that same wave into a diode (a square law device), the output is proportional to the square of the input.

When you square a signal, you force the negative parts of the wave to become positive (since a negative times a negative is a positive). This distortion creates new frequencies that weren't there before. Transmitting two strong frequencies—say, your station's transmit frequency (f1) and a nearby paging transmitter (f2)—and they hit that rusty bolt, the diode mixes them. The math of squaring (f1+f2)^2 results in new signals at the sum (f1+f2) and the difference (f1-f2) plus the sum and differences of all of their harmonics. Suddenly, that rusty bolt is broadcasting on a new frequency. If that new frequency happens to land on your repeater's input channel, you get interference. This is Intermodulation Distortion (IMD). The rusty bolt has become a "ghost transmitter," mixing signals out of thin air.

While this effect is a nightmare for repeater site managers, it is the exact same physics that saved the sanity of many GIs during World War II.

In the trenches of Anzio and the foxholes of the Pacific, soldiers wanted to listen to local AM radio stations for news and music, but they couldn't have powered radios that might give away their positions. They needed a receiver that required no batteries and no tubes.

A soldier would take a rusty safety razor blade (the oxidized metal) and a safety pin with a pencil lead (graphite) attached to it. By gently touching the pencil lead to a rusty spot on the razor blade, they created a point-contact diode—the same semiconductor junction found in our troublesome repeater tower bolt.

In this case, the "Square Law" behavior was exactly what they wanted. AM radio works by mixing an audio signal with a high-frequency carrier. To hear the music, you have to "demodulate" it—which is just a fancy word for mixing it back down.

The razor blade diode took the high-frequency AM signal, "squared" it (rectified it), and separated the audio from the carrier. The soldier could then hook up a pair of high impedance headphones and listen to the radio, powered entirely by the energy of the radio waves themselves.

The same physical principle that can pull music out of thin air also turns a loose tower clamp into a noise generator. The difference lies only in intent. In a receiver, that nonlinearity decodes information. On a radio tower perfect linearity preserves silence. So if you are chasing a ghost signal check your connectors, tighten your clamps, and polish out any rust or oxidation.

Reprinted courtesy of Collins Amateur Radio Club (CARC), Cedar Rapids IA

Upcoming Events

	DFW Early Traffic Net (NTS) at 6:30pm 146.88 – PL 110.9Hz
Daily	DFW Late Traffic Net (NTS) at 10:30pm 146.72 – PL 110.9Hz
Daily	Texas CW Traffic Net at 7:00pm on 7106 KHz and at 10pm on 3541 KHz www.k6jt.com
Tuesdays	Collins ARC Drive Home Net. 441.875 (+5) MHz, PL=131.8 Hz (N5CXX repeater), 5:30-6:00pm (no net 4th Tuesday.)
1st Wednesday	Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
2nd Wednesday	ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm

JANUARY

23-25 **CQ 160M CW.** Amateurs around the world contact other amateurs in as many U.S. states, Canadian provinces, and countries as possible utilizing CW on the 160 meter band.

FEBRUARY

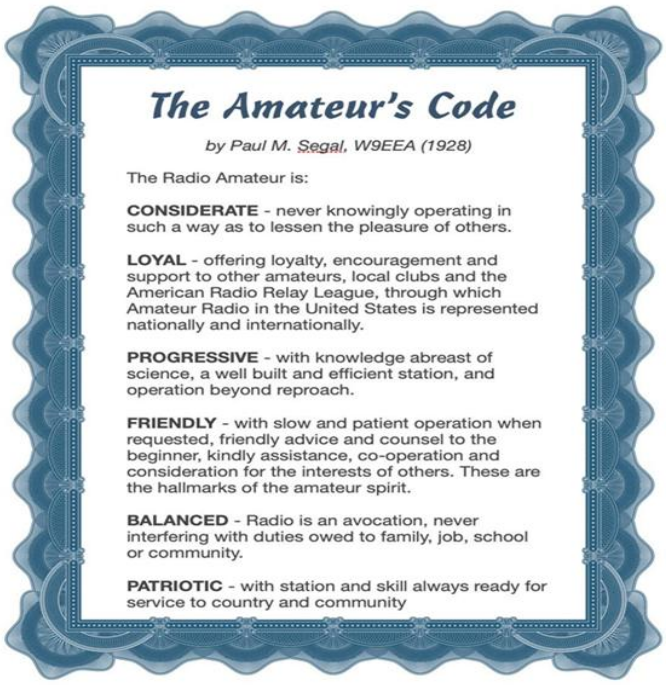
8-9 **CQ WPX RTTY.** The CQ WPX attracts over 20,000 participants that take to the airwaves with the goal of making as many contacts with as many different callsign prefixes as possible. Details at https://cqwpxrtty.com/.

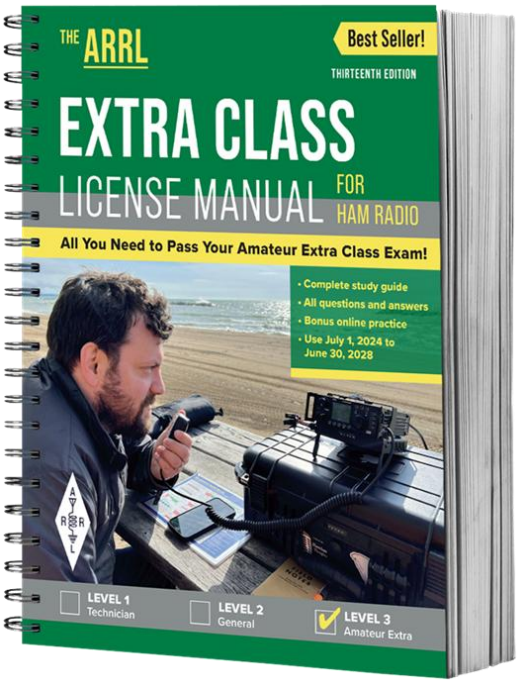
21-22 **International DX—CW** Work as many DX stations as possible on the 160, 80, 40, 20, 15, and 10 meter bands. DX stations: Work as many W/VE stations in as many of the 48 contiguous states and provinces as possible. The event runs 48 hours, from 0000 UTC Saturday through 2359 UTC. Details at http://www. arrl.org/arrl-dx

28-1Mar **CQ 160M SSB.** Amateurs around the world contact other amateurs in as many U.S. states, Canadian provinces, and countries as possible utilizing SSB on the 160 meter band. Due to conflict with the ARRL DX CW Contest, the 2026 CQ 160M Contest SSB will be held one week later - February 27 to March 1

MARCH

7-8 **International DX—Phone** Work as many DX stations in as many DXCC entities as possible on the 160, 80, 40, 20, 15, and 10 meter bands. The event runs 48 hours, from 0000 UTC Saturday through 2359 UTC Sunday. Details at http://www.arrl.org/arrl-dx





FREE

Free to any General class ham wanting to upgrade to Extra.
I PASSED MY EXAM AND I DON'T NEED IT ANYMORE!

Calendar of Select Amateur Radio Contests for 2026

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
3 4 ARRL RTTY Roundup	1 1 NA Sprint SSB	7 8 ARRL INT'L DX SSB	4 5 SP Polish DX CW & SSB	2 3 ARI Int'l DX	6 7 IARU Region 1 Fieldday CW	1 1 RAC Canada Day CW & PH	1 2 10-10 INT'L Summer SSB	5 5 CW OPS OPEN	10 11 OCEANIA DX CW	1 1 NA Sprint SSB	4 6 ARRL 160m CW
10 11 NAQP CW	7 8 10-10 INT'L Winter Phone	14 14 YB DX RTTY	11 12 JIDX CW	9 10 VOLTA WW RTTY	7 7 ARRL INT'L DIGITAL (No RTTY)	4 5 Marconi Memorial Contest HF CW	1 2 NAQP CW	12 13 DARC WAE SSB	10 10 10-10 INT'L Sprint	7 9 ARRL SS CW	5 6 FT Challenge
17 18 NAQP SSB	8 8 NA Sprint CW	14 15 Stew Perry Top Band CW Challenge	11 12 IG-RY WW RTTY	9 10 CQ-M INT'L DX Contest CW & SSB	13 15 ARRL June VHF	4 5 CQ WW VHF CW & PH	8 9 DARC WAE CW	12 14 ARRL September VHF	17 18 JARTS WW RTTY	14 15 DARC WAE RTTY	12 13 ARRL 10M CW & PH
17 19 ARRL January VHF	14 15 CQ WW WPX RTTY	14 15 South America 10m CW & PH	18 19 CQMM DX CW	14 14 Contest University Dayton	20 21 ALL ASIAN DX CW	11 12 IARU HF World CW & PH	15 16 SARTG WW RTTY	13 13 NA Sprint CW	17 18 Worked All Germany CW & PH	14 16 CQ WE (Western Electric)	19 19 OK DX RTTY
23 25 CQ 160m CW	21 22 ARRL INT'L DX CW	15 15 NA Sprint RTTY	25 26 10-10 INT'L Spring Digital	16 16 NZART Sangster Shield CW	20 21 Stew Perry Top Band CW Challenge	18 19 NAQP RTTY	15 16 NAQP SSB	20 20 NA Sprint RTTY	17 18 Stew Perry Top Band CW Challenge	10 11 JIDX Phone	20 20 ARRL Rookie Roundup CW
24 25 BARTG RTTY Sprint	27 MAR 1 CQ 160m SSB	21 23 BARTG HF RTTY	25 26 SP DX RTTY	16 17 EU PSK63 DX	20 20 ARRL Kids Day SSB	18 19 CQ WW VHF Digital	16 16 ARRL Rookie Roundup RTTY	20 20 BARTG PSK63 Sprint	19 23 ARRL School Club Roundup	21 23 ARRL SS Phone	19 19 RAC Winter CW & PH
24 25 Winter Field Day	28 MAR 1 NAQP RTTY	28 29 CQ WW WPX SSB	26 26 BARTG Sprint RTTY (75 Baud)	30 31 CQ WW WPX CW	27 28 ARRL Field Day	25 26 RSGB IOTA CW & SSB	29 30 World Wide Digi DX	26 27 CQ WW DX RTTY	24 25 CQ WW SSB	28 29 CQ WW CW	26 27 Stew Perry Top Band CW Challenge

CW | Phone | CW & PH | RTTY | FT4 / FT8 | Digital | All Modes | VHF/UHF

Some Contests allow AM and FM with SSB as operating modes for Phone.
All Modes does include CW, Phone and some digital modes but not all.
Links to Contest Rules may be found at WA7BNM's Contest Calendar website: www.contestcalendar.com

Start Date / Start Time — End Date / End Time — All Modes — Contest Name

27 28 — ARRL Field Day

Calendar of Select Amateur Radio State & Area QSO Parties for 2026

JAN	FEB	MAR	APRIL		MAY	JUN	JUL	AUG	SEPTEMBER		OCTOBER		NOV	DEC
	7 8 Vermont QSO Party	1 2 North Carolina QSO Party	4 5 Louisiana QSO Party	18 19 Michigan QSO Party	2 3 7th Call Area QSO Party	6 7 Kentucky QSO Party	25 26 Alabama QSO Party	8 9 Maryland DC QSO Party	6 7 Tennessee QSO Party	19 20 New Hampshire QSO Party	3 4 California QSO Party	17 18 New York QSO Party		
	7 7 Minnesota QSO Party	14 15 Oklahoma QSO Party	4 5 Mississippi QSO Party	25 26 Florida QSO Party	2 3 Indiana QSO Party	20 21 West Virginia QSO Party		22 23 Hawaii QSO Party	12 13 Colorado QSO Party	19 20 Washington State Salmon Run QSO Party	10 11 Nevada QSO Party	19 20 Illinois QSO Party		
	28 MAR 1 South Carolina QSO Party	14 15 Idaho QSO Party	11 12 Missouri QSO Party	11 12 North Dakota QSO Party	2 3 Delaware QSO Party			22 23 Ohio QSO Party	19 20 Iowa QSO Party	26 27 Maine QSO Party	10 11 Arizona QSO Party			
		15 16 Wisconsin QSO Party	11 12 New Mexico QSO Party	17 18 Nebraska QSO Party	2 3 New England QSO Party			29 30 Kansas QSO Party	19 20 Texas QSO Party		10 11 Pennsylvania QSO Party			
		21 22 Virginia QSO Party	11 12 Georgia QSO Party		16 17 Arkansas QSO Party				19 20 New Jersey QSO Party		10 11 South Dakota QSO Party			
	7 8 British Columbia QSO Party	1 1 Nova Scotia QSO Party (80m Only)	18 19 Ontario QSO Party		9 10 Canadian Prairies QSO Party	6 7 Atlantic Canada QSO Party								
			19 19 Quebec QSO Party											

CW & PH | All Modes

Some States allow AM and FM with SSB as operating modes for Phone. All Modes does include CW, Phone and some digital modes but not all; Check individual QSO Party Rules. **** Dates and times in Red Background are estimated and not official. ****
Links to QSO Party Rules may be found at WA7BNM's Contest Calendar website: www.contestcalendar.com

Start Date / Start Time — End Date / End Time — All Modes — Contest Name

30 31 — Kansas QSO Party

Calendars contributed by Brad Wick, W0CO, the author of the Contest Calendar and the State QSO Party Calendar.

COLLINS AMATEUR RADIO CLUB

Richardson, Texas
www.N5CXX.us

3200 E Renner Rd
Mail Station 461-290
Richardson, TX 75082

TO:

N5CXX D-STAR SETTINGS:

441.875 MHz, PLUS OFFSET (5 MHz) -- DR mode
Set for Local Mode -- CQCQCQ
Set RPT1 as N5CXX..B (replace periods with spaces)
RPT2 is NOT USED; some radios or software require something in this field, so use N5CXX..B or N5CXX..G (again, replace the periods with spaces)

The N5CXX D-STAR repeater operates only in local mode at this time. There is no Gateway. We hope to have a connection to the D-STAR network in early 2025.

The N5CXX Repeater is Mixed Mode. The incoming Mode determines if FM Analog or D-STAR.

CLUB STATION PHONE
TBD

N5CXX REPEATER
441.875 MHz +5 MHz Input
131.8 Hz PL - RX and TX

N5CXX-1 PACKET BBS COL Node
145.05 MHz

N5CXX-N1, N5CXX-N2 & N5CXX-N3 HSMM-MESHNET Nodes 2.4 GHz

Membership Meeting

Tuesday 27 January 2026 5:30 PM

THE MEETING WILL BE AT

Woodcreek Church Richardson TX

NEXT SIGNALS INPUTS DEADLINE:

➔➔➔ 13 February 2026 ➔➔➔