



COLLINS AMATEUR RADIO CLUB

Richardson, Texas

SIGNALS

MONTHLY NEWSLETTER

Volume 47 Issue 12

Web Site <http://www.n5cxx.us>

September 2026

CARC Membership Meeting

Tuesday 22 September 2026 5:30 PM

The Meeting will be at

Woodcreek Church

3400 E. Renner Rd, Richardson TX

(and via Zoom)

**Program: "EasySat Antennas &
Tracking Software" presented by
Frank Krizan, KR1ZAN**

Frank grew up in Brenham, TX; attended Blinn Jr. College and graduated from the University of Texas (in Austin) with a BSEE. He served in the U.S. Navy Reserves and did active duty as a radioman on the USS Mansfield (DD-728). Frank worked at Collins Radio Company in Richardson, which later became Rockwell Collins. His division was acquired by Alcatel. His experience included computer-controlled test systems, advanced manufacturing technology and ISO-9000 consulting and auditing.

Frank's been licensed since 1961, starting out as a Novice (WN5ABU) and advancing to General a year later (WA5ABU). He's held the calls of K5HS and KR5N before settling on KR1ZAN. Ask him sometime for the explanation of those calls. Frank and his wife Nancy, K5NCK, live in Garland. He's currently Vice President of the Collins ARC.

Zip, Zero, Nada

Call Sign WB4MZ0 (Numeral Zero)

By Rob Rosenberger (K4HST)

The FCC erroneously issued call sign "WB4MZ0" (numeral zero) on December 5, 1994 to the Wedixie Amateur Radio Club in Marietta, Georgia. Somebody typed it wrong into the FCC's database. The club's call sign trustee, David Budner WA4PUB, perhaps didn't notice it? The club never brought it up to the FCC.

Four-and-a-half years went by. The FCC's database continued to grow. And WB4MZ0 remained an active call sign!

In mid-1999, the FCC prepared to elevate its ULS database as the "system of record" for all call signs. That's when somebody (perhaps a database administrator?) discovered the error.

The FCC researched it and they discovered "WB4MZ0" (letter) had not yet been assigned. On July 21, 1999 they canceled WB4MZ0 and issued WB4MZO to the club.

Twenty-six days later, on August 16, 1999, the FCC declared its ULS database the "system of record." Its underlying software now handles all call signs. No one manually types an amateur call sign.

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September Meeting

The next meeting of the Collins Amateur Radio Club of Richardson will be held on Tuesday, September 22nd, at 5:30pm, at Woodcreek Church, 3400 E. Renner Road, Richardson.

Following a brief business meeting, Frank Krizan, KR1ZAN, will present a program entitled "EasySat Antennas and Satellite Software." The topic for this program is from the list of topics approved by the membership earlier this year. Frank will discuss options for antennas for various ham satellites, ranging from simple verticals to more sophisticated Yagi antennas. The focus is on low cost and practicality. He will also discuss the various types of tracking (i.e., pass prediction) software available for Windows, MacOS, Linux, iOS and Android devices.



CARC LEADERSHIP			
PRESIDENT		VICE-PRESIDENT	
Mike Montgomery	WD5TX	Frank Krizan	KR1ZAN
president@n5cxx.us		vp@n5cxx.us	
SECRETARY		TREASURER	
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OPEN		Bill Swan	K5MWC
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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 week-ends.**

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.

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President's Message.

Fellow Club Members,

As I look around our club, I am reminded of how much amateur radio is really about people. The equipment, contests, nets and projects are all important, but it is the members who make this club what it is.

With our board elections coming up, I would like to make a personal request: Please consider becoming a candidate for the Club Board.

Serving on the Board is not about having all the answers or years of leadership experience. What matters most is your interest in the club and your willingness to participate. Bring your ideas, enthusiasm and willingness to help. We need new voices and fresh ideas to keep our club active and growing.

73 and good operating,

Mike Montgomery
WD5TX

Vice President's Report

Many thanks to David Eddleman, K5RNL, for his excellent program on Linux in the Hamshack, presented at our August meeting. David pointed out how Linux can be used to recover use of older PCs which don't have hardware capable of working with Windows 11 or recent versions of MacOS. He has offered to assist any of us who would like to install Linux, including a workshop if enough people are interested. Please let me know if you would like to be involved.

Last month, we met in our new meeting room at the church, the staff conference room. Its size was perfect for the number of attendees we've been having of late. The following photos give you an idea of the accommodations.



NOW FOR A SERIOUS NOTE: Our current officers have been serving in the same or similar positions for several years. Elections are coming up in two months (November is our Annual Meeting). The current officers have stated that they are willing to serve one more year, if no one steps up to serve as President, Vice-President, Secretary or Treasurer. Without leadership, our Club will fall apart and probably need to disband. That would be a great shame - considering the resources we have - a great radio room, top-notch repeaters and a good collection of field radio equipment.

Your Club officers are constantly looking for ways to improve the Club, but we can't do it alone. I suspect that many of you have great ideas on things we can do to make the Club more enjoyable for all members. The first thing is to grow - we need more members. This is where you can help immediately. If you know of employees, retirees and others in the general public who would benefit from our Club, invite them to a meeting. Encourage them to join.

It's unfortunate that we don't have access for retirees to the radio room. We're working on some alternatives, but this is a slow process. It's hard to argue that we need special attention when our membership rolls are declining.

Here are some easy ways to help our Club: Attend meetings, participate on our Nets (Tuesdays @ 5:30pm, and 3rd Tuesday, 7pm), attend our Zoom Elmer Night on the 1st Tuesday @ 7pm, offer to present a Club program, and write articles for our newsletter (SIGNALS). And, of course, when we have on-the-air events, offer to help with setup, tear-down and operation. When you see a face you don't recognize at meetings, walk up and introduce yourself. Let's make ham radio fun again.

Until next month, 73

Frank KR1ZAN

Secretary's Report

25 August 2026

The meeting was called to order at 1736 by Vice President Frank Krizan KR1ZAN in the absence of President Mike Montgomery WD5TX. The Club met in-person at our meeting site at Woodcreek Church in Richardson, with Zoom access available.

The following were present:

Jim Brown	AF5MA
David Cheek	WA5MWD
Dennis Cobb	WA8ZBT
Gene Duprey	K1GD
Frank Krizan	KR1ZAN
Clarence Sebesta	K5YO
Jim Skinner	WB0UNI
Kerry Weeks	K5WKS
Milton Withers	AD5XD

The following attended via Zoom:

David Eddleman	K5RNL
Bill Swan	K5MWC

Officer and Committee Reports

The Vice President's and Secretary's reports were published in the July 2026 CARC newsletter. The Treasurer's report is available on the Members Only page of the CARC website; it was presented in the meeting by Vice President Frank Krizan KR1ZAN in the absence of Treasurer Mark Dempsey N5MD.

No clarifications or updates to these reports were offered at the meeting.

Old Business

Frank Krizan reviewed a prior list of member suggestions for future program topics; there were no new additions offered at the meeting.

New Business

There was no new business.

Announcements

Frank Krizan announced that the program for the 28 September 2026 Club meeting will be "Easy Sat Antennas and Tracking Programs," presented by Frank Krizan.

Kerry Weeks K5WKS announced that the Northeast Metro Volunteer Examiner Team (NEM-VET) test session for September will be held a week early on Monday, 31 August, since the normally-scheduled date falls on Labor Day.

Other announced events have been summarized in the August CARC newsletter.

Adjournment

The meeting was adjourned at 1748, followed by a presentation on "Linux in the Ham Shack," by David Eddleman K5RNL.

Minutes of CARC Board of Directors Meeting

8 September 2026

The informal pre-meeting workshop began at 1909 via Zoom.

The following Board members logged into the meeting:

Mike Montgomery WD5TX, President

Frank Krizan KR1ZAN, Vice President

Jim Brown AF5MA, Secretary

Bill Swan K5MWC, Immediate Past President

Two non-voting CARC members also logged in:

Mike Hollingsworth W5QH

Jim Skinner WB0UNI

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

Slate of Officers for Next Year. The Board began discussions on candidates for CARC officer positions for the coming year. It was agreed that volunteers for all offices will be solicited at the September general meeting.

Need for Standing Committees to Support Club Operations. Frank Krizan KR1ZAN proposed that the Club establish two committees to oversee maintenance and deployment of Club hardware assets:

Committee for CARC Radio Room and Repeaters

Committee for CARC Field Radio Gear and Generators

Discussion addressed the need for one or more current Collins Aerospace employees to staff the first committee, since ready access to the radio room would be required. The second committee could be staffed only with non-employees, depending on the storage location identified for field equipment; some of this equipment is currently in the CARC radio room.

It was agreed to open a discussion and ask for volunteers at the September general meeting.

Budget for 2027. No specific budget items for next year were identified. Further discussion was deferred pending input from the CARC Treasurer, who was not present. The proposed budget will need to be completed prior to request for approval by the general membership at the Annual Meeting in November.

Door Prizes for the Christmas Dinner. After a brief discussion, all agreed that fellowship drives attendance at the event, and door prizes were an unnecessary expense. No funding was approved for door prizes for this year's event.

Status of New CARC Website. Mike Montgomery WD5TX and Mike Hollingsworth W5QH provided an overview of progress to-date on a new website for the Club. A number of decisions on content and format remain. It was agreed that the Board would meet soon via Zoom to work issues in detail.

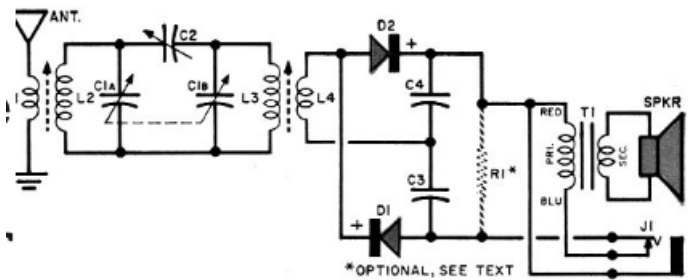
Adjournment. There being no further discussion, the workshop was adjourned at 2006. Since no motions were developed during the workshop, and a poll of the officers indicated no formal business was needed, no formal Board meeting was called to order.



Crystal radios are usually associated with faint, headphone-only reception - but this classic design breaks that rule. It uses a double-tuned RF front end and a voltage-doubler detector to drive a small 2½" speaker directly, with no battery or external power required.

Selectivity rivals far more complex radios, and volume approaches what you'd expect from a transistor radio. Two ferrite loopstick coils (L2, L3), each fitted with a second hand-wound coupling winding (L1, L4), form a double-tuned RF stage. A two-gang 365 pF variable capacitor

(C1a/C1b) tunes both stages together, while a 180 pF trimmer (C2) couples them and sharpens selectivity across the band.



The signal is then rectified by a pair of diodes wired as a voltage doubler, and an output transformer steps the resulting high-impedance signal down to drive a low-impedance speaker. A closed-circuit jack lets you swap in headphones (disconnecting the speaker automatically) or feed the output into a hi-fi amplifier's phono input.

The original design specifies 1N34A germanium diodes for the detector, because of their low 0.3 forward voltage drop. Schottky diodes are good silicon-era substitutes, as Schottkys share germanium's low forward-voltage characteristic, which a standard silicon signal diode does not, so they come much closer to preserving the original detector's sensitivity.

That difference matters a lot in a passive crystal detector, which has to rectify very weak RF energy picked up straight off the antenna with no amplification anywhere in the circuit. A higher-threshold diode simply won't turn on for signals below its forward voltage. For instance, with 1N4148s in place of 1N34As you should expect: Noticeably reduced sensitivity, especially on weaker or more distant stations, placing a stronger dependence on a good antenna and ground connection to compensate. Local, high-power stations will still come in reasonably well - the effect is most noticeable on weak signals, not on the strongest signals.

A cross-referenced parts list follows with the original part, its function and a modern substitute. D1, D2 - 1N34A germanium diode, a voltage-doubler detector; the 1N5711 is a standard DigiKey part number: 497-2499-1-ND by STMicroelectronics in a DO-35 axial, through-hole package.

C1a/C1b - 365 pF 2-gang, variable dual tuning, sourced from Amplified Parts or Antique Electronic Supply.

C2 - 180 pF trimmer, RF coupling/selectivity. DigiKey stocks modern compression trimmers in this range (Johanson, Murata) as direct substitutes.

C3, C4 - .005 μ F fixed caps doubler filter caps. Any modern 5000 pF (0.005 μ F) ceramic disc capacitor - widely stocked on DigiKey L2, L3 - ferrite loopstick coils. Tuned RF coils

Generic ferrite loopstick antennas are DigiKey stock items (TDK, Laird); the tapped dual-winding version used here is more commonly sourced from radio-hobby suppliers R1 — 47k, 1/2W resistor, amplifier feed load.

T1 - output transformer Impedance-matching small audio output transformers (e.g. Triad Magnetics, ~3–10k ohm primary to 4–8 ohm secondary) are DigiKey stock items and a close match. Speaker - 2 1/2", 4 ohm audio output small 4-ohm mini speakers of this size are DigiKey stock items (CUI Devices and similar) J1 - closed-circuit phone jack, headphone switching standard closed-circuit switching jack, a common DigiKey stock item.

To align it: Hook up an antenna (50 feet of wire is a good starting point), tune to a station near 1500 kHz, and adjust the C1a/C1b trimmers for peak signal. Then tune C2 for best selectivity/volume across the whole band, and slide L1/L4 along their loopsticks for final optimization.

[Source: Collins Amateur Radio Club of Cedar Rapids, IA, September 2026 newsletter]

Zip, Zero, Nada

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If you download the ULS files, you'll see five relational database records for WB4MZ0. And you'll see nine relational database records for WB4MZ0.

Wedixie Amateur Radio Club disbanded and canceled its call sign on February 22, 2024. The "O" (letter) call sign became available for vanity assignment on February 23, 2026. If you know any Elmers in Marietta, ask them for more details about it!

[Our thanks to Amateur Radio Daily, September 1, 2026 issue, and K4HST for this article]

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](https://www.n5cxx.us)) or directly at: [https://www.n5cxx.us/Club Membership Form.pdf](https://www.n5cxx.us/Club%20Membership%20Form.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.

Need another Badge or Coffee Mug?



Order from The Sign Man of Baton Rouge at:
<https://www.thesignman.com/clubs/collinsarccart.html>

Calendar of Events

- Tues. Sep. 22 - 5:30pm - Membership Meeting at Woodcreek Church, Richardson
- Tues. Sep. 29 - 5:30pm - Drive Home Net (441.875)
- Mon. Oct. 5 - 6:00pm - NEM-VET VE Test Session, Garland Comm. Center, Garland
- Tues. Oct. 6 - 5:30pm - Drive Home Net (441.875)
- Tues. Oct. 6 - 7:00pm - 1st Tuesday Elmer Night via Zoom
- Sat. Oct. 10 - Noon - D75 SIG - Garland ARC Communications Center, Garland
- Tues. Oct. 13 - 5:30pm - Drive Home Net (441.875)
- Tues. Oct. 13 - 7:00pm - CARC Board of Directors via Zoom
- Tues. Oct. 20 - 5:30pm - Drive Home Net (441.875)
- Tues. Oct. 20 - 7:00pm - 3rd Tuesday Elmer Net (441.875)
- Tues. Oct. 27 - 5:30pm - Membership Meeting at Woodcreek Church, Richardson
- Mon. Nov. 2 - 6:00pm - NEM-VET VE Test Session, Garland Comm. Center, Garland

CARC Community Service Activities

Siren Testing AG5JB Jeffrey Barton, Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson outdoor warning siren testing. The September 2026

test was conducted on 2 September. 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, assisted with the monthly Garland Siren Test. The Garland Siren Test is held at Noon on the first Wednesday monthly with hams reporting on the Garland ARC 146.66 MHz repeater.

ARRL Student Membership

Free Student Membership
 (aged 21 years or younger*)
FREE

Join Now



www.arrl.org/join

*Additional restrictions apply.

ARRL
 The National Association for Amateur Radio

**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**

The Amateur's Code
 by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE - never knowingly operating in such a way as to lessen the pleasure of others.

LOYAL - offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE - with knowledge abreast of science, a well built and efficient station, and operation beyond reproach.

FRIENDLY - with slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED - Radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC - with station and skill always ready for service to country and community

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 4 th 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

SEPTEMBER

19-21 **10 GHz & Up – Round 2.** The objective is for North American amateurs work as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through Light. Amateurs are encouraged to operate from more than one location during this event. Details at <http://www.arrl.org/10-ghz-up>

OCTOBER

3-4 **Collegiate QSO Party** is an event focused on amateur radio clubs at colleges and universities. The event provides an opportunity for clubs to demonstrate amateur radio to new members, engage with alumni, and promote activity throughout college and university communities. Details at <https://collegiateqsoparty.com/>

19-23 **School Club Roundup**—Objective: To exchange QSO information with club stations that are part of an elementary, middle, high school or college. A station may operate no more than 6 hours in a 24-hour period, and a maximum of 24 hours of the 107 hour event. Details at <http://www.arrl.org/school-club-roundup>

26-27 **CQWW-CW**— The CQ WW is the largest Amateur Radio competition in the world. Over 35,000 participants take to the airwaves on the last weekend of November (CW) with the goal of making as many contacts with as many different DXCC entities and CQ Zones as possible. Details at <https://cqww.com/>.

31Oct-1Nov **EME - 50 to 1296 MHz**—Work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz. Full weekend 48-hour period (0000 UTC on Saturday through 2359 UTC Sunday). Details at <http://www.arrl.org/eme-contest>.

Brandmeister Annual Re-Up

The ID numbers used for DMR and other amateur radio digital networks are a finite resource. Due to the growing popularity of these modes, along with some users requiring multiple IDs, certain regions are expected to face ID shortages in the near future.

To help ensure that available IDs are being used efficiently, the organization in charge of maintaining the ID database will periodically verify that currently assigned IDs are still needed and that the information associated with them remains accurate.

Beginning July 1, 2026, RadioID.net will implement an annual verification process. On the anniversary of each account's creation, it will send an email to the account holder requesting confirmation that the assigned ID(s) are still needed and that the account information remains accurate and up to date.

If no confirmation is received, the associated ID(s) will be temporarily deactivated. If RadioID.net is unable to obtain a response after a reasonable period, the ID(s) will be removed from the database and made available for reassignment.

This process is intended to preserve the long-term availability of ID numbers and maintain an accurate database for the amateur radio community.

If you have any questions or concerns regarding this process, please contact [RadioID](http://RadioID.net) through their [support page](#).

[Source: <https://news.brandmeister.network/new-annual-verification-process-by-radioid-net/>]

Calendar of Select Amateur Radio Contests for 2026

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
3 4 1000 Z - 2300 Z ARRL RTTY Roundup	1 1 0000 Z - 2300 Z NA Sprint SSB	7 8 0000 Z - 2300 Z ARRL INT'L DX SSB	4 5 1000 Z - 1400 Z SP Polish DX CW & SSB	2 3 1000 Z - 1200 Z ARI Int'l DX	6 7 1000 Z - 1400 Z IARU Region 1 Field Day CW	1 1 0000 Z - 2300 Z RAC Canada Day CW & PH	1 2 0000 Z - 2300 Z 10-10 INT'L Summer SSB	5 5 0000 Z - 2300 Z CW OPS OPEN	10 11 0000 Z - 0600 Z OCEANIA DX CW	1 1 0000 Z - 2300 Z NA Sprint SSB	4 6 1000 Z - 2300 Z ARRL 160m CW
10 11 1000 Z - 2300 Z NAQP CW	7 8 0000 Z - 2300 Z 10-10 INT'L Winter Phone	14 14 0000 Z - 2300 Z YB DX RTTY	11 12 0700 Z - 1300 Z JIDX CW	9 10 1000 Z - 1200 Z VOLTA WW RTTY	7 7 1000 Z - 2300 Z ARRL INT'L DIGITAL (No RTTY)	4 5 1400 Z - 1400 Z Marconi Memorial Contest HF CW	1 2 1000 Z - 2300 Z NAQP CW	12 13 0000 Z - 2300 Z DARC WAE SSB	10 10 0000 Z - 2300 Z 10-10 INT'L Sprint	7 9 2100 Z - 2300 Z ARRL SS CW	5 6 2000 Z - 2300 Z FT Challenge
17 18 1000 Z - 2300 Z NAQP SSB	8 8 0000 Z - 2300 Z NA Sprint CW	14 15 0000 Z - 2300 Z Stew Perry Top Band CW Challenge	11 12 1200 Z - 1300 Z IG-RY WW RTTY	9 10 1000 Z - 1200 Z CQ-M INT'L DX Contest CW & SSB	13 15 1000 Z - 2300 Z ARRL June VHF	4 5 1000 Z - 1200 Z CQ WW VHF CW & PH	8 9 0000 Z - 2300 Z DARC WAE CW	12 14 0000 Z - 2300 Z ARRL September RTTY	17 18 0000 Z - 2300 Z JARTS WW RTTY	14 15 0000 Z - 2300 Z DARC WAE RTTY	12 13 0000 Z - 2300 Z ARRL 10M CW & PH
17 19 1000 Z - 2300 Z ARRL January VHF	14 15 0000 Z - 2300 Z CQ WW WPX RTTY	14 15 1000 Z - 1200 Z South America 10m CW & PH	18 19 1000 Z - 1200 Z CQMM DX CW	14 14 1700 - 1700 RST Contest University Dayton	20 21 1000 Z - 1400 Z ALL ASIAN DX CW	11 12 1000 Z - 1200 Z IARU HF World CW & PH	15 16 0000 Z - 2300 Z SARTG WW RTTY	13 13 0000 Z - 2300 Z NA Sprint CW	17 18 0000 Z - 1400 Z Worked All Germany CW & PH	14 16 0000 Z - 2300 Z CQ WE (Western Electric)	19 19 0000 Z - 2300 Z OK DX RTTY
23 25 1000 Z - 2300 Z CQ 160m CW	21 22 1000 Z - 2300 Z ARRL INT'L DX CW	15 15 0000 Z - 2300 Z NA Sprint RTTY	25 26 1000 Z - 1200 Z 10-10 INT'L Spring Digital	16 16 1000 Z - 1200 Z NZART Sangster Shield CW	20 21 1000 Z - 1400 Z Stew Perry Top Band CW Challenge	18 19 1000 Z - 2300 Z NAQP RTTY	15 16 1400 Z - 1900 Z NAQP SSB	20 20 0000 Z - 2300 Z NA Sprint RTTY	17 18 0000 Z - 2300 Z Stew Perry Top Band CW Challenge	10 11 0700 Z - 2300 Z JIDX Phone	20 20 1000 Z - 2300 Z ARRL Rookie Roundup CW
24 25 1000 Z - 2300 Z BARTG RTTY Sprint	27 MAR 1 1000 Z - 2300 Z CQ 160m SSB	21 23 0000 Z - 2300 Z BARTG HF RTTY	25 26 1000 Z - 1200 Z SP DX RTTY	18 17 1000 Z - 1200 Z EU PSK63 DX	20 20 1000 Z - 2300 Z ARRL Kids Day SSB	18 19 1000 Z - 1200 Z CQ WW VHF Digital	16 16 1000 Z - 2300 Z ARRL Rookie Roundup RTTY	20 20 1700 Z - 2300 Z BARTG PSK63 Sprint	19 23 1000 Z - 2300 Z ARRL School Club Roundup	21 23 2100 Z - 2300 Z ARRL SS Phone	19 19 0000 Z - 2300 Z RAC Winter CW & PH
24 25 1000 Z - 2300 Z Winter Field Day	28 MAR 1 1000 Z - 2300 Z NAQP RTTY	28 29 0000 Z - 2300 Z CQ WW WPX SSB	26 26 1700 Z - 2300 Z BARTG Sprint RTTY (75 Baud)	30 31 1000 Z - 2300 Z CQ WW WPX CW	27 28 1000 Z - 2300 Z ARRL Field Day	25 26 1000 Z - 1200 Z R5GB IOTA CW & SSB	29 30 1000 Z - 2300 Z World Wide Digi DX	26 27 0000 Z - 2300 Z CQ WW DX RTTY	24 25 0000 Z - 2300 Z CQ WW SSB	28 29 0000 Z - 2300 Z CQ WW CW	26 27 1000 Z - 2300 Z 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 WATBNM's Contest Calendar website: www.contestcalendar.com

Start Date 27 28 End Date
Start Time 1000 Z 2300 Z
All Modes ARRL Contest Name
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 1000 Z - 2400 Z Vermont QSO Party	1 2 1000 Z - 2400 Z North Carolina QSO Party	4 5 1400 Z - 2400 Z Louisiana QSO Party	18 19 1000 Z - 2400 Z Michigan QSO Party	2 3 1000 Z - 2400 Z 7th Cal Area QSO Party	6 7 1000 Z - 2400 Z Kentucky QSO Party	25 26 1000 Z - 2400 Z Alabama QSO Party	8 9 1400 Z - 2400 Z Maryland DC QSO Party	6 7 1700 Z - 2400 Z Tennessee QSO Party	19 20 1000 Z - 2400 Z New Hampshire QSO Party	3 4 1000 Z - 2400 Z California QSO Party	17 18 1000 Z - 2400 Z New York QSO Party
7 7 1000 Z - 2300 Z Minnesota QSO Party	14 15 1400 Z - 2400 Z Oklahoma QSO Party	4 5 1400 Z - 2400 Z Mississippi QSO Party	25 26 1000 Z - 2400 Z Florida QSO Party	2 3 1000 Z - 2400 Z Indiana QSO Party	20 21 1000 Z - 2400 Z West Virginia QSO Party		22 23 1400 Z - 2400 Z Hawaii QSO Party	12 13 1400 Z - 2400 Z Colorado QSO Party	19 20 1000 Z - 2400 Z Washington State QSO Party	10 11 1000 Z - 2400 Z Nevada QSO Party	19 20 1700 Z - 2400 Z Illinois QSO Party
28 MAR 1 1000 Z - 2400 Z South Carolina QSO Party	14 15 1000 Z - 2400 Z Idaho QSO Party	11 12 1400 Z - 2400 Z Missouri QSO Party	11 12 1000 Z - 2400 Z North Dakota QSO Party	2 3 1700 Z - 2400 Z Delaware QSO Party			22 23 1400 Z - 2400 Z Ohio QSO Party	19 20 1400 Z - 2400 Z Iowa QSO Party	26 27 1000 Z - 2400 Z Maine QSO Party	10 11 1000 Z - 2400 Z Arizona QSO Party	
	15 16 1400 Z - 2400 Z Wisconsin QSO Party	11 12 1400 Z - 2400 Z New Mexico QSO Party	17 18 1100 Z - 2400 Z Nebraska QSO Party	2 3 1000 Z - 2400 Z New England QSO Party			29 30 1400 Z - 2400 Z Kansas QSO Party	19 20 1400 Z - 2400 Z Texas QSO Party		10 11 1000 Z - 2400 Z Pennsylvania QSO Party	
	21 22 1400 Z - 2400 Z Virginia QSO Party	11 12 1000 Z - 2400 Z Georgia QSO Party		16 17 1400 Z - 2400 Z Arkansas QSO Party				19 20 1400 Z - 2400 Z New Jersey QSO Party		10 11 1000 Z - 2400 Z South Dakota QSO Party	
7 8 1000 Z - 2300 Z British Columbia QSO Party	1 1 1000 Z - 2400 Z Nova Scotia QSO Party (80m Only)	18 19 1400 Z - 2400 Z Ontario QSO Party		9 10 1700 Z - 2400 Z Canadian Provinces QSO Party (80m-160m)	6 7 1000 Z - 2400 Z Atlantic Canada QSO Party						
		19 19 1400 Z - 2400 Z 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 WATBNM's Contest Calendar website: www.contestcalendar.com

Start Date 30 31 End Date
Start Time 1400 Z 2400 Z
All Modes Kansas Contest Name
QSO Party

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



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 22 September 2026 5:30 PM

THE MEETING WILL BE AT

Woodcreek Church Richardson TX

NEXT SIGNALS INPUTS DEADLINE:

→→→ 16 October 2026 ←←←