

### CARC Membership Meeting

Tuesday 26 March 2024 5:30 PM

The Meeting will be at  
Woodcreek Church Richardson TX  
(and via Zoom)

**"Cycle 25 Status & What to  
Expect Near-term"**  
by Carl Luetzelschwab K9LA

## MARCH MEETING CYCLE 25 STATUS

The next meeting of the Collins Amateur Radio Club of Richardson, TX, will be held on Tuesday, March 26th, beginning at 5:30 pm, at Woodcreek Church, 3400 E. Renner Rd., Richardson. The meeting will also be live-streamed via Zoom.

Following a brief business meeting, a program entitled "An update on Cycle 25 and what to expect in the near future" will be presented by Carl Luetzelschwab K9LA, of Fort Wayne, IN.



K9LA presented a program entitled "Get Ready for Fun on the Higher HF Bands" back in October, 2021, as Solar Cycle 25 was in its infancy. He also discussed what many of the solar indices mean and how to interpret them.

Carl started his radio career as a shortwave listener in the late 1950s. He received his Novice license (WN9AVT) in October 1961, and selected K9LA in 1977. Carl is an electrical engineering graduate of Purdue University and was an RF design engineer until his retirement in 2013. Carl enjoys propagation research, DXing (he's at the Top of the Honor Roll), contesting (he was NCJ Editor from 2002-2007), experimenting with antennas and restoring/using vintage equipment.

He and his wife Vicky AE9YL enjoy traveling, which has included DXpeditions to Syria (YK9A in 2001), to Market Reef (OJ0/AE9YL and OJ0/K9LA in 2002) and numerous trips to ZF (Vicky is ZF2YL and Carl is ZF2LA). He has received the Bill Orr W6SAI Technical Writing Award, the YASME Foundation Excellence Award and the Indiana Radio Club Council Technical Excellence Award. Carl currently serves as Director of the ARRL Central Division, which serves Illinois, Indiana and Wisconsin.



The February CARC meeting featured the ARRL North Texas Section Manager, Steven Lott Smith, KG5VK. Steve was our speaker for CARC's annual ARRL Night.

He reported on happenings within the League and the North Texas Section. Steve told us about ARES and RACES preparations through the path of the upcoming total solar eclipse on April 8th. It is expected that around four million visitors will come into our area prior to and following the eclipse. After-Ac-



tion Reports from previous total solar eclipses have shown that major traffic jams are to be expected along the route of the sun's shadow.

CARC OFFICERS			
<b>PRESIDENT</b>		<b>VICE-PRESIDENT</b>	
Mike Montgomery	KD5TX	Bill Fell	KK5PB
<a href="mailto:president@n5cxx.us">president@n5cxx.us</a>		<a href="mailto:vp@n5cxx.us">vp@n5cxx.us</a>	
<b>SECRETARY</b>		<b>TREASURER</b>	
Jim Brown	AF5MA	Mark Dempsy	N5MD
<a href="mailto:secretary@n5cxx.us">secretary@n5cxx.us</a>		<a href="mailto:treasurer@n5cxx.us">treasurer@n5cxx.us</a>	
<b>ACTIVITIES CHAIRMAN</b>		<b>WEBSITE MANAGER</b>	
Frank Krizan	KR1ZA	Mike Hollingsworth	W5QH
<a href="mailto:director@n5cxx.us">director@n5cxx.us</a>		<a href="mailto:webmaster@n5cxx.us">webmaster@n5cxx.us</a>	
<b>STATION TRUSTEE</b>		<b>NEWSLETTER EDITOR</b>	
Bob Kirby	K3NT	Jim Skinner	WB0UNI
<a href="mailto:k3nt@arri.net">k3nt@arri.net</a>		<a href="mailto:newsletter@n5cxx.us">newsletter@n5cxx.us</a>	
<b>MEMBERSHIP</b>		<b>N5CXX CLUB STATION</b>	
Bill Fell	KK5PB	Phone Number Unavailable	
<a href="mailto:vp@n5cxx.us">vp@n5cxx.us</a>		Until Further Notice	

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.

**Plano** testing is on the third Saturday of each month, 1300 hrs at Williams High School, 1717 17<sup>th</sup> 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](mailto:rwkhamtest@gmail.com).

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**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](mailto: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** testing is held on the fourth Thursday of each month, excluding November, and begins at 1930 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

**PRESIDENT’S MESSAGE**

Just a quick message for this month, as it has been extremely busy with travel, work, taxes and the recent move in December. We are getting closer to the repeater repairs and HF rotor replacement. Safety gear for climbing the tower has been approved by the company site safety and should be purchased soon. The next obstacle will be nice weather and time as I do have a period of extended travel on the horizon. By the time this newsletter is published, the 2-meter packet radio should have been replaced. I fabricated a quick mount for the radio and the TNC so it will be a little more secure than before since the packet station is in the penthouse. I look forward to what this year will bring and I welcome any and all suggestions. 73s,

Mike Montgomery  
WD5TX

**Vice-President’s Report**

**VP Report** – One member paid his renewal dues this month. One member was moved to inactive status for failure to pay dues/respond to repeated attempts by officers to contact. Four current members need to pay their renewal dues now. We have 71 challenge coins in inventory currently. I will have challenge coins available for purchase at \$5 each at the General Membership meeting.

**Membership Committee –**

- Current Active Membership = 54
- Full Members = 39 (includes life and retiree members)

Associate Members = 15

New/renewed Members = 1

Members moved to Inactive Status = 1

Expired memberships awaiting renewal = 4

Continuing membership is important to the CARC. Through the skills and experiences of all our members, our club provides fellowship, education, and service opportunities. If you have questions about your membership status or other membership-related questions, please contact me. Thank you to all of our members for your support and contributions to the CARC.

73, Bill, KK5PB

## Secretary's Report

27 February 2024

In the absence of President Mike Montgomery WD5TX, who was on travel status, Vice President Bill Fell KK5PB called the meeting to order at 1737. The meeting was held at Woodcreek Church in Richardson, with Zoom access for those who could not attend in person.

The following were present at the meeting site:

Jim Brown	AF5MA
Bill Fell	KK5PB
David Cheek	WA5MWD
Dennis Cobb	WA8ZBT
Wayne Collins	KI5YOQ
Frank Krizan	KR1ZAN
John McFadden	K5TIP
Clarence Sebesta	K5YO
Jim Skinner	WB0UNI
Steven Lott Smith	KG5VK
Zogail Smith	KB5KBE
Bill Swan	K5MWC
Kerry Weeks	K5WKS

The following logged in via Zoom:

Mark Dempsey	N5MD
Paul Veenstra	AA5PV

## Officer and Committee Reports

The Vice President's and Secretary's reports were published in the February 2024 CARC Newsletter, and no clarifications or updates were offered at the meeting.

## Old Business

There was no old business.

## New Business

There was no new business.

## Introductions

All members and guests present were asked to introduce themselves.

## Adjournment

The meeting was adjourned at 1740, followed by a presentation by our guest of honor Steven Lott Smith KG5VK, Section Manager for the ARRL NTX Section. He provided an overview of current activities of the ARRL and goals for the future, followed by a question-and-answer session.

## Minutes of CARC Board of Directors Meeting

12 March 2024

President Mike Montgomery WD5TX called the meeting to order on-line via Zoom at 1907.

The following Board members logged into the meeting:

- Mike Montgomery WD5TX, President
- Bill Fell, KK5PB, Vice President
- Jim Brown AF5MA, Secretary
- Bill Swan K5MWC, Immediate Past President

One non-voting CARC member also logged in:

- Frank Krizan KR1ZAN

Topics addressed during the meeting are summarized below.

**Transfer of CARC Bank Account Access.** Discussion continued on transfer of access authorization to the Club's Prosperity Bank account to newly-elected officers (President and Treasurer). It was understood that deposits to the account can continue without this transfer, but an update will be required prior to further disbursements. Bill Swan has been in contact with Prosperity Bank, and he outlined the steps needed for transfer. He agreed to take the lead in scheduling a visit to the bank by all officers required to participate.

**Submission of CARC Funding Request.** Mike Montgomery noted that the CARC's annual request for funding from the Collins Aerospace Clubs and Leagues Board (CACLB) was submitted last week with the assistance of Frank Krizan.

**Purchase of Safety Harnesses for Club Antenna Work.** Mike Montgomery reported on his research into requirements for harnesses. It was generally agreed that suitable harnesses should include a D-ring for lanyard attachment



as well as the basic D-ring for fall protection. Two harnesses will be required for work on the antenna rotor. Cost for the required harnesses is expected to slightly exceed the amount previously budgeted, so approval for the increased funding will be requested from the General Membership at the next meeting. When the total cost is determined, the Board will meet to confirm their consent prior to the next general meeting.

**Replacement of CARC Call Sign Trustee.** Subsequent to last month's agreement by the Board to discuss transfer of trustee duties with the current Trustee, multiple attempts were made to accomplish this with no success. The Board agreed to proceed with the transfer. Frank Krizan agreed to facilitate the fairly complex process of transfer with the FCC and ARRL.

**CARC Membership Renewals.** Bil Fell reported that six CARC members failed to renew memberships within the allowed time window. The Board agreed that follow-up requests by mail would be attempted before members are moved to inactive status.

**Field Day Discussions.** Frank Krizan reported on the results of his survey of member interest in various options for Field Day participation. As there was no clear preference indicated, no definitive plans were made.

**Annual Texas Franchise Reports.** Bill Swan noted that the annual submission required for the CARC will be due soon. This is only a paper submission; the Club is well below the threshold for taxation. Bill agreed to draft the necessary forms for Board coordination.

**Board Member Contact Information.** Frank Krizan reported that alias email addresses for all CARC Board members and key personnel have been created and tested to verify functionality. These have been loaded to the ARRL club database and will be added to the CARC website and the masthead of the Club newsletter. Frank suggested that personal phone numbers be removed from the newsletter masthead, and all agreed.

**CARC Mailing Address.** It was noted that the Club has no mailing address other than the Collins Aerospace mail stop assigned many years ago. Mike Montgomery agreed to verify that this mail stop is still viable.

**Adjournment.** Moved at 2017 by Mike Montgomery and seconded by Jim Brown.

**Echolink Web**

*by Frank Krizan, KR1ZAN*

Various apps exist for Echolink on different devices and software platforms. Users have reported varying success with particular apps. Installing certain apps and configuring setup and options can be perplexing.



The Echolink folks have come to the rescue with a new web browser-based Echolink tool.

[Echolink Web](#) is an edition of [Echolink](#) that runs entirely within a Web browser. It runs on various browsers and OS platforms and doesn't require any app to be installed — just click and go.

To get started, go to [webapp.echolink.org](http://webapp.echolink.org) and enter your existing [Echolink](#) callsign and password. EchoLink Web requires a single-user-mode EchoLink callsign (with no -L or -R suffix). If you enter a callsign which hasn't yet been validated, you'll be prompted to begin the validation process.

More info and instructions are shown on the Echolink Web site. If you've never tried Echolink, Echolink Web makes the introduction painless.



Steve mentioned that locals should gas up all their vehicles prior to the weekend of April 6/7 and he recommended that groceries and other household necessities be obtained prior to the weekend. Experience has shown that restaurants will be swamped on days prior to and following the eclipse, so be pre-prepared.



Also, attending with Steve was XYL Zogail Smith, KB5KBE, who comes along to "keep him honest!" As usual, Steve brought along a nice door prize - an ARRL publication "Arduino Projects for Ham Radio", which was won by Kerry Weeks, K5WKS. And, as a token of appreciation for coming to speak to the

Club, Frank Krizan, KR1ZAN, Activities Chairman, presented Steve with one of the CARC Challenge Coins.

*(Contributed by Frank Kr1ZAN)*

## Free On-Line Amateur Radio Operating Class

A free, weekly, 3-hour Amateur Radio Operating Class on Zoom will begin on Thursday April 4 and run through June 20 at 6:30 PM Eastern time. The presenters will be various experienced folks in the various subjects.

A detailed syllabus will be published before the classes begin. Attend them all, or any that you like, but you must register for the classes. To receive registration information, contact Rol Anders, K3RA, at [roland.anders@comcast.net](mailto:roland.anders@comcast.net).

Subjects will include:

- All About Operating--A general Introduction
  - Amateur Radio Organizations—Local to International
  - Ham Radio Awards
  - DXing-History and Tips from the Experts
  - QSLing-How to get that needed card for DXCC or WAS
  - VHF/UHF Weak Signal Work and “Roving”
  - Image Operating—Slow Scan and Fast Scan TV
  - Remote Station control over internet
  - Learning CW in the no-code era
  - Digital Modes—From RTTY to FT8 and beyond
  - Contesting—How to get started, tips for the beginner and intermediated contester
  - Logging Software—What’s available, how to use
  - Propagation—A general intro to HF Propagation
  - Amateur Satellites—How to get started
  - Portable (backpacking) operation—Tips from an expert
  - Setting Up a Modern (or not so modern) HF Station
  - Lightning Protection and Grounding
  - Traffic Handling
  - Public Service, Emergency Communications
- Thanks,  
Rol, K3RA

*(Submitted by Frank Krizan KR1ZAN)*

## The Radio Boys and Girls

*Bill Swan K5MWC*

On a recent Drive Home Net, the topic for discussion was “What is your favorite stuff including software and why?” By the way if you have not joined the Drive Home Net on Tuesdays at 5:30 pm on the Garland UHF repeater 442.7, come find out how much fun it is. The net meets weekly except when there is a club meeting night.

On the net I mentioned that some of my favorite stuff was remembering The Radio Boys series of books that my uncle had. There was also a companion set called Radio Girls. As a young boy of 5 or 6 these books opened my mind to the wonders of radio and the adventures that radio was involved in. While the digital age provides access to countless eBooks, for me there is still nothing more pleasing and pleasant than holding a book in my hands and absorbing the content of each page.

The Radio Boys and Girls series actually began as far back as 1890 with its last publication around 1945. The peak of publication and interest occurred in the series published in 1922 to 1930. Those were the books that my uncle had and which I enjoyed. It has been said that those years were also the time when the general public became aware of the thrill of having a radio in their home. Some call it the Golden Age of Radio. The series picked up and encouraged that interest and coupled the wonders of “wireless” communications with social issues, the lasting values of society, adventure, travel to foreign lands, and the magic of building a “wireless” set, most notably a crystal radio.

Who knows, maybe Arthur Collins may have read those books and was so curious that he went on in 1933 to form a company called Collins Radio. I can not prove that of course but it seems possible.

One of the most common themes these days about the future of amateur radio is how to encourage younger people to get involved with being a Ham. Perhaps one of the answers to that question is to find ways to encourage curiosity and then offer ways to address that curiosity. Finding a modern equivalent of The Radio Boys and Girls might be a good start. One such approach could be what is a project of the club that we have named the Big Project. The concept is that the Big Project is actually the collection of a number of smaller and more achievable projects that all have the aim of getting to the youth of today and getting that spark of curiosity to light up.

Good questions to ask is will this project excite the young potential ham? Will it create the curiosity to learn more? Will it create the desire to get a license and most important will it cause one to see ham radio as a lifelong endeavor?

The Radio Boys and Girls, a great example of how something created a desire to learn more, to do more and to make it a lifelong advocacy, 67 years in my case.

If you would like to know more about The Radio Boys and Girls here is a URL that will take you to one of many sites about this series:

[Radio Boys and Radio Girls - The Radio Boys and Girls](#)

CARC – Education Service Fellowship

## Halifax Resolves Special Event

By Barry Evans (N4WFU)

Amateur radio operators from surrounding areas will assemble at Halifax, North Carolina on April 11-13, 2024, to activate special event station N4C. They will operate several Ham stations, using voice, CW (morse code), and digital modes to communicate with as many other hams, around the world, as possible. This activity is to commemorate the signing of The Halifax Resolves, which occurred on April 12, 1776.

The Halifax Resolves was the first written instrument in existence leading to US independence from England. It was approved unanimously at the Fourth Provincial Congress gathered at Halifax, NC. It authorized the NC delegates, being sent to the Continental Congress to vote for and encourage other colonies' delegates to support independence from England. This led to the US's Declaration of Independence being adopted and signed on July 4, 1776.

Hams around the world that make contact with this special event station can request a QSL card confirming the contact by sending a self-addressed, stamped envelope to:

Barry Evans, N4WFU  
 P. O. Box 1533  
 Roanoke Rapids, NC 27870

A certificate suitable for framing is also available for a donation of 5 US dollars to offset its cost. If possible, please include an address label if requesting the certificate.

[Source: N4WFU]

## CARC Community Service Activities

**Siren Testing** Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson outdoor warning siren testing. The March 2024 test was conducted on 6 March. All but one of the sirens worked perfectly. 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. The March City of Garland Siren Test was also conducted on 6 March. [Jim Stafford W5DTG participated.](#) The Garland test observations report on a Net conducted on the GARC 146.66 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

## Excerpt from Jack, W5TFB's Book

Stay tuned for future episodes.

## Upcoming Events

<b>Daily</b>	DFW Early Traffic Net (NTS) at 6:30pm 146.88 – PL 110.9Hz
<b>Daily</b>	DFW Late Traffic Net (NTS) at 10:30pm 146.72 – PL 110.9Hz
<b>Daily</b>	Texas CW Traffic Net at 7:00pm on 3541 KHz and at 10pm on 3541 KHz <a href="http://www.k6jt.com">www.k6jt.com</a>
<b>Tuesdays</b>	Collins ARC Drive Home Net. 442.8 (+5) MHz, PL=110.9 Hz (K5QHD repeater), 5:30-6:00pm (no net 4 <sup>th</sup> Tuesday.)
<b>1<sup>st</sup> Wednesday</b>	Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
<b>2<sup>nd</sup> Wednesday</b>	ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm
<b>MARCH</b>	
<b>APRIL</b>	
<b>21</b>	<b>Rookie Roundup—Phone</b> Mission: To encourage newly-licensed operators (“Rookies”) to operate on the HF bands and experience competitive Amateur Radio operating. Objective: Rookies exchange information with as many other stations as possible on the 80, 40, 20, 15, and 10 meter HF bands. Rookie entrants are encouraged to read “ <a href="#">HF Contesting – Good Practices, Interpretations and Suggestions</a> .” The event runs from 1800 UTC through 2359 UTC. Details at <a href="http://www.arrl.org/rookie-roundup">http://www.arrl.org/rookie-roundup</a>
<b>June</b>	
<b>1-2</b>	<b>International Digital Contest</b> —Amateurs worldwide contact and exchange QSO information with other amateurs using any digital mode (excluding RTTY) that supports the 4-digit Grid Square exchange — attended operation only -- on the 160, 80, 40, 20, 15, 10 and 6 meter bands (Technicians are limited per FCC Rules to the 10 and 6 meter bands). Stations may only be worked once per band. Each claimed contact must include contemporaneous direct initiation by the operator on both sides of the contact. Begins 1800 UTC Saturday, ends 2359 UTC Sunday, Details at <a href="http://www.arrl.org/arrl-digital-contest">http://www.arrl.org/arrl-digital-contest</a>
<b>8-10</b>	<b>June VHF</b> For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada. Details at <a href="http://www.arrl.org/june-vhf">http://www.arrl.org/june-vhf</a>



**Need another Badge or Coffee Mug?**



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

**Join Us On Tuesdays  
for the Collins ARC  
Drive Home Net  
5:30pm 442.7 MHz  
+5MHz, PL=110.9Hz  
(No Nets on Meeting Nights)**  
*Logs now available on [n5cxx.us](http://n5cxx.us) website*

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

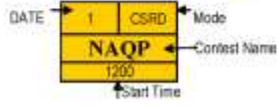
The Radio Amateur is:

- 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

CDXA Periodic Table of Contests - 2024

January	February	March	April	May	June	July	August	September	October	November	December
6   R	3   CSRD	2   S	8   CSRD	4   CSRD	1   CSRD	1   CS	3   C	1   CSRD	5   CS	2   C	6   CS
RTTY Roundup 1800	VT QSO Party 0000	ARRL DX - SSB 0000	LA QSO Party 1400	7th Area QSO Party 1300	KY QSO Party 1400	RAC Canada Day 0000	NAQP - CW 1800	TN QSO Party 1800	CA QSO Party 1800	Sweepstakes - CW 2100	ARRL - 160M 2200
13   C	3   CSRD	9   CSRD	3   CSRD	4   CS	1   D	13   CS	10   C	7   C	12   R	9   R	7   D
NAQP - CW 1800	MN QSO Party 1400	OK QSO Party 1400	MS QSO Party TBD	IN QSO Party 1800	ARRL - INT. Digi 1800	LARU 1200	WAE DX - CW 0000	CWops Open 0000	Makrothen - RTTY 0000	WAE DX - RTTY 0000	FT Roundup 1800
20   S	3   CSRD	8   C	8   CSRD	4   CSRD	8   CSRD	20   CSRD	10   CSR	7   CS	12   CSRD	16   S	14   CS
NAQP - SSB 1800	BC QSO Party 1800	Stew Perry TBC 1500	MO QSO Party 1400	DE QSO Party 1700	ARRL - VHF 1800	CQWW - VHF 1800	MDC QSO Party 1400	CO QSO Party 1300	NV QSO Party 0300	Sweepstakes - SSB 2100	ARRL - 10M 0900
20   CSRD	4   C	9   CSRD	13   CSRD	4   CSRD	15   C	20   R	17   S	8   C	12   CSR	23   C	28   CS
ARRL - VHF 1900	NA Sprint - CW 0000	ID QSO Party 1800	NM QSO Party 1400	New England QSO Party 2000	Stew Perry TBC 1500	NAQP - RTTY 1800	NAQP - SSB 1800	NA Sprint - CW 0000	AZ QSO Party 1500	CQWW - CW 0000	RAC Winter 0000
26   C	10   R	10   R	13   CS	11   CS	15   CSRD	27   CS	24   CSRD	14   S	12   CSRD	Monday   C	26   C
CQ - 160M CW 2200	CQWW WPX - RTTY 0800	NA Sprint - RTTY 0000	GA QSO Party 1800	CQM DX 1200	WV QSO Party 1800	RSGB IOTA 1200	HI QSO Party 0400	WAE DX - SSB 0000	PA QSO Party 1800	KIUSN Test 1800	Stew Perry TBC 1900
27   R	17   C	10   CSRD	TBD   CSRD	18   CSR	Monday   C	Monday   C	24   D	14   CSRD	12   CSRD	Friday   C	Monday   C
BARTG RTTY Sprint 1200	ARRL DX - CW 0000	WI QSO Party 1800	ND QSO Party TBD	AR QSO Party 1400	KIUSN Test 0000	KIUSN Test 0000	WW Digi DX 1200	ARRL - VHF 1800	SD QSO Party 1800	KIUSN Test 2000	KIUSN Test 0000
Monday   C	26   S	16   R	20   R	20   C	Friday   C	Friday   C	24   CSRD	14   CS	19   CSRD		Friday   C
KIUSN Test 0900	CQ - 160M SSB 2200	BARTG RTTY 0200	CQMM DX 0700	CQWW WPX - CW 0000	KIUSN Test 2000	KIUSN Test 2000	KS QSO Party 1400	AL QSO Party TBD	NY QSO Party 1400		KIUSN Test 2000
Friday   C	24   CSRD	24   R	20   CS	Monday   C			24   CS	21   CSRD	19   CS		
KIUSN Test 2000	SC QSO Party 1900	NA Sprint - SSB 0000	MI QSO Party 1800	KIUSN Test 0000			OH QSO Party 1800	IA QSO Party 1400	Worked All Germany 1500		
	24   R	30   S	20   CS	Friday   C			Monday   C	21   CSRD	18   C		
	NAQP - RTTY 1800	CQWW WPX - SSB 0000	ON QSO Party 1800	KIUSN Test 2000			KIUSN Test 0000	TX QSO Party 1400	Stew Perry TBC 1500		
	28   CSRD	Monday   C	27   CS				Friday   C	21   CSRD	30   CSRD		
	NC QSO Party 1500	KIUSN Test 0000	FL QSO Party 1800				KIUSN Test 2000	NH QSO Party 1800	IL QSO Party 1700		
	Monday   C	Friday   C	Monday   C								
	KIUSN Test 0000	KIUSN Test 2000	KIUSN Test 0000					21   CS	28   S		
	Friday   C		Friday   C					NJ QSO Party 1800	CQWW - SSB 0000		
	KIUSN Test 2000		KIUSN Test 2000					21   CSRD	Monday   C		
								WA Salmon Run 1800	KIUSN Test 0000		
								22   R	Friday   C		
								NA Sprint - RTTY 0000	KIUSN Test 2000		
								28   R			
								CQWW - RTTY 0000			
								28   CS			
								ME QSO Party 1200			
								Monday   C			
								KIUSN 0000			
								Friday   C			
								KIUSN Test 2000			

**LEGEND**  
 GOLD = Major Contest = 10 points  
 Blue = QSO Party = 7 points  
 Pink = DX Contest = 5 points  
 C = CW      S = SSB  
 R = RTTY    D = Digital







Richardson, Texas  
[www.N5CXX.us](http://www.N5CXX.us)

**3200 E Renner Rd  
 Mail Station 461-290  
 Richardson, TX 75083-0766**

**TO:**



Richardson, Texas  
[www.N5CXX.us](http://www.N5CXX.us)

<p><b>CLUB STATION PHONE</b> TBD</p> <p><b>N5CXX REPEATER</b> 441.875 MHz +5 MHz Input 131.8 Hz PL - RX and TX</p> <p><b>N5CXX-1 PACKET BBS COL Node</b> 145.05 MHz</p> <p><b>N5CXX-N1, NRCXX-N2 &amp; N5CXX-N3 HSMN-MESHNET Nodes 2.4 GHz</b></p>
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<p align="center"><b>Membership Meeting</b>          Tuesday 26 March 2024 5:30 PM          THE MEETING WILL BE AT  <b>Woodcreek Church Richardson TX</b></p>
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<p align="center"><b>NEXT SIGNALS INPUTS DEADLINE:</b>  <b>→→→ 12 April 2024 ←←←</b></p>
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