

CARC Membership Meeting

Tuesday 26 July 2022 5:30 PM

The July 2022 Meeting will be at

Poor Richards Café Plano TX

Ice Cream Social

July General Meeting

The July meeting is our Annual Ice Cream Social to be held at Poor Richard's Cafe. We'll have a brief business meeting prior to enjoying some good-ole Blue Bell! Bring a friend or family member who's interested in ham radio or joining our club for some good Blue Bell and ham talk.

Dennis Cobb, WA8ZBT, Contest Operating

During Field Day other Collins stations were active. Dennis worked W7CXX on 80, 40 and 20 CW and worked W0CXX on 80, 40, 20, 15 CW and 75 meter phone.

Home needed for Club Generators

Got a little unused space in your garage or storage shed? The Club's generators desperately need a home. They won't take a lot of space. Below is a picture of the generators and fuel tank. There is also a 50-foot power cord.



FIELD DAY PICTURES A BIG THANK YOU to all the CARC Ops who helped with the Garland ARC Field Day. The Collins ARC Team consisted of Gene Duprey, K1GD; Bill Fell, KK5PB; Robert Geraldon, N5REG; Jim Stafford, W5DTG; Milton Withers, AD5XD



More Pictures on page 5

Drive Home Net Changes—See Page 4

CARC OFFICERS**PRESIDENT**

Frank Krizan KR5N
214-563-6679
kr5n@arrl.net

VICE-PRESIDENT

Bill Swan K5MWC
972-529-3906
bill@swanshome.net

SECRETARY

Jim Brown AF5MA
972.495.2209
jhksbrown@verizon.net

TREASURER

Rohan Thomas KG5RCN
972.697.3512
Rohan7066@ya

ACTIVITIES CHAIRMAN

Kerry Weeks K5WKS
214-478-3230
weeks.kerry@gmail.com

WEBSITE MANAGER

Mike Hollingsworth W5QH
972.571.6060
w5qh@arrl.net

STATION TRUSTEE

Bob Kirby K3NT
319.360.0500
k3nt@arrl.net

NEWSLETTER EDITOR

Jim Skinner WB0UNI
214.535.5264
wb0uni@arrl.net

MEMBERSHIP

Bill Swan K5MWC
972-529-3906
bill@swanshome.net

N5CXX CLUB STATION

Phone Number/Mail Station
Unavailable until further notice

VE SESSIONS

Collins Amateur Radio Club (CARC) Test sessions take place on fourth Tuesdays, immediately following the regular CARC monthly membership meeting (about 7:30 p.m.). The test sessions are held at **Poor Richards Café Plano TX**. Walk-ins are welcome, but it's best to register with the lead examiner, Kerry Weeks, at weeks.kerry@gmail.com or by phone at (214) 478-3230.

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 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 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 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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The Prez Sez

with KR5N



I underwent eye surgery in March of this year and I thought that things were improving as time went on, but in the past three weeks my eyesight has taken a turn for the worse. I hope you'll bear with me as I and my doctors try to figure out what's going on. Several Club officers have stepped up and taken a major load off my responsibilities, and I sincerely appreciate their help.

Our Club needs a few dedicated members to step up and fill the shoes of Club officers for 2023. In order to focus on my health and our relocation back to Garland, I have notified the Board that I will not run for any elected office in the coming year.

The Board of Directors are examining their own situations to determine if they will continue on the Board in 2023 and are looking for prospective nominees for various positions. Officers must be Full Voting Members. The jobs aren't tough, and in the remaining months of this year the Board plans to simplify and streamline the organization and conduct of Board and Membership meetings.

PLEASE consider stepping up and running for a slot on the Board: President, Vice President, Secretary or Treasurer. A fifth position on the Board is Immediate Past President, which I will fill unless my health prevents it. In that case, the Board will recommend to the Membership a replacement to serve for the remainder of the fiscal year.

Field Day, from all accounts, was a lot of fun. I wish to express a BIG THANK YOU to our members who volunteered as operators and for setup and teardown. The Garland ARC is putting together the Field Day Summary and Report and, as of this writing, I haven't heard the final tally of scores and Bonus Points. Based on the logs of our dedicated station, we contributed well over 1000 points.

The Collins ARC Team consisted of:

Gene Duprey, K1GD

Bill Fell, KK5PB

SIGNALS

Robert Geraldson, N5REG

Jim Stafford, W5DTG

Milton Withers, AD5XD

We had a couple of others who signed up to operate, but weren't able to come out due to illness or other problems. Bill Fell and Milton Withers worked on prepping the CARC HF go-kit, and Bill was the key player in setting it up and tearing it down.

The discussion at the June CARC meeting on the good and bad points of Field Day indicated that, all-in-all, the joint FD with the Garland club was a success. The heat was the major problem. It will be up to the next Board to decide on CARC's involvement in Field Day in 2023.

MARK YOUR CALENDARS NOW FOR THE AUGUST MEETING: The August Membership Meeting will be held on Tuesday, August 29th (the fifth Tuesday) in order to accommodate our speaker, Tim Duffy, K3LR, CEO of DX Engineering, who will speak on "Grounding and Bonding." The meeting will be at our regular location - Poor Richard's Cafe in Plano.

Our Tuesday Drive Home Nets have been temporarily moved to the Garland ARC 70cm repeater on 442.7 MHz, +5MHz, PL=110.9 Hz, until the problems with the CARC repeater are fixed. Join us at 5:30pm for a fast paced, anything goes Net.

We're looking at easier methods of communicating with and among our members and prospective hams and members. The Board will be presenting a motion to the Membership at the July meeting to open up our groups.io discussion forum to the public, of course with appropriate moderation. Our discussion group has been limited to Members Only, but only a handful of our members have joined in.

All clubs in the DFW area have "open forums" (with moderation), and, approval of our motion will allow prospective members and others interested in ham radio discussion to easily join in. It will also allow our members to post questions and offer items for buy, trade or sale more easily without having to wait for the monthly newsletter or asking someone to send out a bulk message. We're trying to make life a bit simpler for all concerned.

If you have an opinion on this matter, please attend the July meeting. And, while I'm on the subject of the July meeting, let me remind you that it's our Annual Ice Cream Social to be held at Poor Richard's Cafe. Bring a friend or family member who's interested in ham radio or joining our club for some good Blue Bell and ham talk.

There's also a VE Test Session held right after the meeting. Reservations are required to the VE Liaison, Kerry Weeks, K5WKS. Kerry's contact info is available on the Club's website, n5cxx.us

73 de Frank KR5N

October 2003

Vice President/Membership Chairman Report

Membership Chairman Report – No new members were added during the last reporting period.

Current Membership - 56

Full Members – 40 (Includes Life and Retiree Members)

Associate Members - 16

Updated Membership status - Continuing membership is important to the CARC. Through the skills and experiences of all of 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 their support and contributions to the CARC.

73s,

Bill K5MWC

Secretary's Report

28 June 2022

Vice President Bill Swan K5MWC called the meeting to order at 1730 in the absence of President Frank Krizan KR5N. The meeting was in-person at our meeting site at Poor Richard's Café in Plano. Zoom access was also provided for those not able to meet in person.

The following were present at the meeting site:

Jim Brown	AF5MA
Gene Duprey	K1GD
Bill Fell	KK5PB
John McFadden	K5TIP
Jim Skinner	WB0UNI
Jim Stafford	W5DTG
Bill Swan	K5MWC
Kerry Weeks	K5WKS
Mark Wells	K9MDI
Milt Withers	AD5XD

The following logged in via Zoom:

Bob Chandler	KI5KRN
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Officer and Committee Reports

The Vice President's and Secretary's reports were published in the June 2022 CARC Newsletter, and no clarifications or updates were offered at the meeting. Bill Swan presented the Treasurer's Report in the absence of Treasurer Rohan Thomas KG5RCN.

Old Business

There was no old business.

SIGNALS

New Business

There was no new business.

Announcements

All members present were recognized and invited to offer status updates as appropriate.

Bill Swan announced the annual Ice Cream Social scheduled for the July 26th meeting.

Bill Fell KK5PB presented Club statistics for the recent ARRL Field Day activity. These statistics will be included separately in the CARC newsletter.

Field Day Discussion

In lieu of a formal program, Bill Swan led a general discussion of Field Day activities from the previous weekend. A total of eight Field Day participants were in attendance.

The event was a joint operation with the Garland Amateur Radio Club held at the Hella Shrine Temple at 2121 Rowlett Road in Garland. Impressions of all were generally favorable, and all encouraged participation next year, either jointly with the Garland ARC or independently. Specific concerns and suggestions for improvement were noted during the lengthy discussion, and these inputs will be summarized in a report to the CARC Board of Directors.

Adjournment

The meeting was adjourned at 1846.

Drive Home Net Changes

The CARC 70cm repeater is simply not working and does not allow the Drive Home Net to be conducted. The Garland Amateur Radio Club is graciously allowing use of its 70cm repeater until the CARC is repaired. The repeater frequency is 442.700 MHz, plus 5 MHz, PL 110.9.

Minutes of CARC Board of Directors Meeting

12 July 2022

President Frank Krizan KR5N called the meeting to order on-line via Zoom at 1901.

The following logged into the meeting:

Jim Brown	AF5MA
Bob Chandler	KI5KRN (Non-voting participant)
Bill Fell	KK5PB (Non-voting participant)
Frank Krizan	KR5N
Bill Swan	K5MWC
Kerry Weeks	K5WKS

Pre-Meeting Workshop

Directors and other members present participated in a pre-meeting workshop beginning at 1901 to discuss a range of topics and to develop motions as needed for action by the Board at the formal meeting summarized below.

Topics covered in the workshop included the following:

October 2003

- Review of Field Day activities and notes from the discussion of the event at the last General Meeting.
- Election of CARC officers for 2023. All were encouraged to start the process well in advance of the November 2022 election to ensure that all interested and qualified candidates are identified. It was generally agreed that we need to widen the pool of candidates this year.
- Detailed coordination for the Ice Cream Social scheduled for the July 26th meeting. Volunteers were identified to cover all required elements.
- Test and repair of the CARC repeater equipment. Bill Swan K5MWC volunteered to contact others with knowledge and/or access to the equipment to test and determine what the source of the problem is. If necessary, an approach to retrieving the repeater and duplexer from the roof of the Collins facility would be made. Kerry Weeks K5WKS agreed to pick up the uninstalled equipment and arrange for testing and repair as needed. If the equipment proves to be fully functional an additional effort will be needed to inspect and repair or replace cabling and/or connectors remaining on the roof.
- Future of the CARC radio room within the Collins facility. The Board discussed the need for re-installing Club-owned equipment in the new location and the significant costs involving in doing so. All were concerned that a functioning radio room within the Collins facility would see very little use by members. It was agreed that this would be a topic for discussion by all members at a future club meeting.
- Frank Krizan KR5N proposed that the Groups.io platform used for Club communications be opened up to the general public with Club moderation. There was general agreement, and a motion was prepared to be addressed at the formal meeting as noted under Board Actions.

Board Actions

The formal Board meeting was declared at 2014.

It was moved by Kerry Weeks and seconded by Bill Swan that the Board recommend public access to the Groups.io platform. The text of the motion was as follows:

“It is moved that the CARC Board of Directors recommend to the General Membership that the Club’s Groups.io platform be opened to the public with moderation.”

The motion passed unanimously. The recommendation will be presented to Membership at a future meeting.

Adjournment

Moved at 2016 by Kerry Weeks and seconded by Bill Swan.

CARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson emergency siren

SIGNALS

testing. The July test was conducted on 6 July. Almost all sirens operated as designed. 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, which is designated as the backup repeater. Garland conducted their siren test also on Wednesday, July 6, 2022. John Galvin, N5TIM, was volunteer coordinator and Net Control. Also, helping from CARC were: Bob Jones, W5BJ; and, Jim Stafford, W5DTG. Garland Siren Test communications are held 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.





Why Are Some Automakers Ditching AM Radio?

Here's what we know

BY ELLE KEHRES ·

PUBLISHED: JULY 14, 2022 · UPDATED: JULY 19, 2022

While Electric Vehicles (EVs) can serve as a tool to help curb our fossil fuel dependency, they also pose a surprisingly large threat to the radio industry — more specifically AM radio. Some EV automakers are dropping AM altogether due to audio quality concerns, but that's just one piece of the puzzle as radio continues to fight for space on the dash.

“As carmakers increase electric vehicle offerings throughout their lineups, the availability of AM radio to consumers is declining,” said Pooja Nair, communications systems engineer with Xperi Corp., in a Radio World guest commentary. “This is because the effects of electromagnetic interference are more pronounced in EVs than in vehicles with internal-combustion engines.”

In other words, electromagnetic frequencies generated by EV motors occupy the same wavelength as AM radio signals. The competing signals clash, effectively cancelling each other out. As EV motors grow more powerful, AM static tends to increase.

Generally speaking, this is causing more and more EV automakers to box out AM radio. As James Gilboy of The Drive mentions in a recent article, EVs from Audi, BMW, Porsche, Tesla and Volvo are already sold without AM radios, and it's been that way for years.

According to Gilboy, BMW and Volvo said they left AM radio in the dust due to audio quality problems rooted in electromagnetic interference — as previously mentioned — of which EVs' drivetrains produce a significant amount. He

SIGNALS

said cars' engines and other complex electronics have always made EM interference, but "low-wattage static is relatively easy to shield against."



2022 BMW i4 infotainment system (photo via BMW)

Although, not all automakers have ditched the service. Ford, General Motors and Stellantis have produced or currently make EVs that include AM radio, even on flagship models said Gilboy. That goes for everything from the Ford F-150 Lightning and Mustang Mach-E to the Chevy Bolt EUV and GMC Hummer, among others.

In Europe, the switch to EVs, and the subsequent edging out of AM radio, is even more prominent. This summer, the European Union's 27 member nations agreed on laws that would end the sale of new combustion-engine cars by 2035. The measure is intended to help achieve the continent's climate objectives, in particular carbon neutrality, by 2050.

In 2015, Radio Info reported that AM stations were shutting down en masse from France to the Netherlands and Rus-

We are fortunate to have another original story written by Scott, N7NET

"The 16V71 Detroit engine has stopped running and it won't restart," says Clyde, one of the two, full time maintenance men who will stay on site throughout the winter.

Without it the entire project is doomed. A thousand questions cross my mind. Is anyone still here who can help? Alan, the diesel tech, is my logical choice, but he's already gone, headed back to Georgia. So the responsibility falls on me and I'm an electrical engineer. What do I know about internal combustion engines, other than what I gleaned while helping rebuild my brother's hot rod back in the Dark Ages.

"Okay, I'll check into it," I assure Clyde. I head for the Day Room for coffee while I sort through the options.

Returning to the Northwest Territories was not on my bucket list. But each time I declined the company's request they sweetened the deal. They never got around to saying do it or else, but they were close.

October 2003

sia. The band has largely been superseded by the DAB format. According to recent figures released by WorldDAB, 95% of new cars sold in key European markets were equipped with DAB+ receivers as standard in 2021.



BMW iX (photo via BMW)

Looking at this issue with a wider scope, AM/FM listening on average is slowly trending down, according to Jacobs Media's annual TechSurvey findings. The percent of people who listen to AM/FM radio on any kind of device for one hour or more each weekday stands at 86% in the 2022 survey. That's a dip from 88% in 2021 and 90% in 2020.

Coming back to Pooja at Xperi, she wrote that instead of removing AM radio services from EVs, automakers should control EMI emissions and offer the "superior consumer audio experience" afforded by AM all-digital HD Radio technology.

This is an issue about which we are likely to hear much more. What is your take? We invite industry-oriented commentaries and responses. Send to Radio World.

(Article courtesy of RadioWorld.com website)

The Lights of Edmonton

I was dragging my feet because of my Dew Line experience during the Cold War. It was a bear. Wind chill. Isolation. Life was unreal.

The morning of my departure from Dew Line I scrambled out of the hut. My ticket home was an air force KC-135 and it was on the ground. Waiting. The temperature had fallen to minus 58F. In the vapor lights freezing fog was falling from the black sky like snow. Once aboard the tanker, I held my breath until I felt the aircraft shudder when the gears retracted. That was

when I swore that a herd of wild buffalo could not drag me back to the Northwest Territories. Ever.

That was then.

They'd insisted that I should fly commercial as far as possible and then hire a bush pilot for the last leg of my journey. Ignoring their objections, I rent a black Jeep in Seattle. I'm taking stuff - a HF mobile radio station, a satellite phone, delicate test equipment that will be difficult to recalibrate,

and some nice clothes for a September date with Gail, who will fly from Los Angeles to meet me in Edmonton, Alberta. Last year we met in Denver and then we went to Tokyo for three weeks. The year before we visited Rome. This year is still undecided.

Gail has her general class amateur radio license. Schedules are difficult in the northland, so we meet on the Maritime Net and then QSO every Monday, Wednesday, and Friday when conditions are favorable.

Today, however, winter has arrived and I'm stuck with this broken diesel. A few years back I had helped a friend start his Chevy diesel. We found a bad glow plug relay. Maybe this job would be that simple?

After throwing down the last swallow of coffee, it's time to get this two-ton monster running. I didn't know if it has glow plugs. Probably not, but that would be a place to start. Fortunately, someone had the presence of mind to put a 16V71 shop manual in the company library.

Eventually, I locate a fuel cutoff relay. Jumping it brings the big engine to life. That would have been a simple solution, had there been a relay in our parts inventory. A call to my home office starts one coming to some drop off point. A bush plane will deliver it tomorrow.

At last, one day past my scheduled departure, the relay is installed and the engine is running.

I try calling Gail to tell her I'll be late, but there's been a solar flare or something. The satellite phone won't connect. Snow is falling. Fortunately, I had purchased three sets of tire chains in Seattle, a set for each axle, plus an extra set. Things happen.

Pressed for time, I don't chain up, hoping to maintain a faster pace. The miles slip by and I grow overly confident. In the failing light the Jeep fishtails, and then slides into a shallow ditch.

Wrestling with chains is never easy. The half-light combined with a wind-chill factor that must be off the scale makes an extremely difficult job even more so.

A movement catches my eye. It's a large dog. Someone lives close by? Relief pours over me. I climb onto the hood of my jeep and then the roof, hoping to see the house. But all I see are more dogs. Five of them. Then I realize these are not dogs. These are wolves.

Drawing on my Dew Line experience, I light two flares. The glare and sputtering sounds keep them at bay while I finish with the chains. At last, exhausted and chilled to the bone I walk the Jeep out of the ditch and press on, leaving the flares in my wake.

Toward morning my fuel is low. Fearing the presence of more wolves, I shove a CD with hard rock into the player and then spin the gain to maximum. With both doors open

and the noise blasting into the winter darkness, I transfer gasoline from my two Jerry cans.

Already late and bushed, I climb back into my Jeep, switch off the player, and lay my head back and close my eyes. I need only a moment. The satellite phone awakens me. I have no idea how long I've slept. It's dark. I wonder if I've slept around the clock?

"Where are you?" Gail asks, her voice shrill.

"I'm not sure." I reply, glancing at the odometer. "I'm probably two hours out. Maybe more. Conditions have been extreme. I'm traveling slow. Have you been thinking about where we should go?"

"How could I, when I've been worrying about you? You're a day late, you know. I've been trying to call, but the phone wouldn't work until now."

"Same here. It's most likely caused by a solar flare.

"Whatever the cause, I'm glad to hear your voice. Please be careful. I'm in room 106 in a motel at the airport. It's not a Motel 6, but I'll leave the light on."

Disconnecting, I resume my journey, wishing I hadn't stopped to sleep. Another hour passes. Then I see lights on the horizon. They are the lights of Edmonton. I'm certain of it.

I reach for the cell phone.

(Contributed by Steve Phillips K6JT)

**You've heard of
the MLB ...
Now, welcome
the MBL ...** 
**"Muncha Buncha
Lunch" — every
Thursday, 1 p.m. at
Poor Richard's Cafe**

K5SRT/R Unlimited Rover Team 2021 Unlimited Winner

K5SRT/R Unlimited Rover Team (K3NT-Bob, K5SRT-Ross, and KG9DUK-Alex) received our ARRL June 2021 VHF contest award last month right before this year's June 2022 VHF contest start. In 2021 K5SRT Rover traveled in Nebraska, Kansas, and Oklahoma in a 2016 Ford Expedition.



New Collins Building Access Restrictions

Per Security, all "non-essential" access to Collins Aerospace facilities (including employee recreation activities) is shut-down until the Covid-19 pandemic is resolved. Anyone needing access to the Club Station must submit an email request to Security with an explanation of who, when and why access is needed, and the Security team will review, and if approved, the person will only be allowed access via the North Gate. For contact information, send an email to kr5n@arri.net asking for Security contact information.

 FYI—Until further notice, masks are now required inside all Collins buildings. Also, a temperature check is required before entering the property. During busy hours there is a manned tent near the north gate where the temperature check is performed. During off hours, there is a place at the north gate for a self-check.

Upcoming Events

Daily	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 3541 KHz and at 10pm on 3541 KHz www.k6jt.com
Tuesdays	Collins ARC Drive Home Net. 441.875 (+5) MHz, PL=131.8 Hz, 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

AUGUST

6-7 222 MHz and Up Distance Contest. Work as many stations as possible on the 222 MHz through 241 GHz bands using any allowable mode. Begins at 1800 UTC Saturday and ends at 1759 UTC Sunday. Details at <http://www.arri.org/222-mhz-and-up-distance-contest>

20-21 10 GHz & Up – Round 1. The objective of 10 GHz and Up 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. See the detailed rules for restrictions. Operations may take place for 24 hours total beginning at 6:00 AM local Saturday though 12:00 midnight local Sunday. Details at <http://www.arri.org/10-ghz-up>.

SEPTEMBER

10-12 September VHF. Objective: 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. Begins 1800 UTC Saturday and runs through 0259 UTC Monday. Details at <http://www.arri.org/september-vhf>.

17-18 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.arri.org/10-ghz-up>.

TEXAS  FIXINS

POOR
Richard's
CAFE

We encourage you to dine at Poor Richard's Cafe, and, thank them for allowing us to hold our meetings in their facility.

—  —

2442 K Avenue, Plano 75074
<https://poorrichardscafe.com>

Need another Badge or Coffee Mug?



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

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

PERIODIC TABLE OF SELECT AMATEUR RADIO CONTESTS

2022

Start Day (UTC) → 1
 Start Time (UTC) → 2
 End Day (UTC) → 2
 End Time (UTC) → 2
 Contest Name → Select Contest of weekend as chosen by NQGE

Multimode CW Digital
 off-the-air SSB VHF/UHF

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 0900Z Straight Key Night	15 2355Z NA Sprint CW	6 0900Z ARRL DX SSB	2 1900Z SP Polish DX	3 1300Z 7OP/IN/DE/ New England QSO Parties	8 1100Z Tisza Cup CW	5 1400Z Marconi Memorial HF	3 0600Z NAQP CW	7 0500Z CWops CW Open	31 2100Z California QSO Party	25 0300Z ARRL SS CW	7 0300Z ARRL 160
8 1800Z ARRL RTTY Roundup	12 0900Z CQ WPX RTTY	13 2400Z NA Sprint RTTY	9 0400Z JIDX CW	10 1300Z CQ-M DX	11 1100Z ARRL June VHF	9 1200Z IARU HF	10 1200Z WAE CW	14 2300Z WAE SSB	10 0900Z Oceania CW	12 0500Z WAE RTTY	11 2300Z ARRL 10
15 1800Z NAQP CW	16 0500Z ARRL DX CW	19 2400Z Russian DX	20 1200Z CQMM DX	17 2300Z Contest University Dayton Hamvention	18 1700Z All Asian CW	16 2400Z CQ WW VHF	20 1800Z NAQP SSB	17 0600Z WAN/JN/H/TX QSO Parties	15 1300Z Worked All Germany	19 2100Z ARRL SS SSB	17 2300Z RAC Winter
22 1800Z NAQP SSB	23 0500Z CQ 160 SSB	25 2300Z CQ WPX SSB	27 0900Z SP DX RTTY	24 1200Z CQ WPX CW	28 0900Z ARRL Field Day	25 1800Z ARRL Field Day	26 3100Z WW Digi	23 1200Z CQ WW RTTY	24 0900Z CQ WW RTTY	22 0900Z CQ WW CW	23 2400Z Happy Holidays
28 2200Z CQ 160 CW	30 2100Z CQ WW SSB		30 1800Z Florida QSO Party	1 2100Z RSGB IOTA					29 0900Z CQ WW SSB		



Richardson, Texas
www.N5CXX.us

**PO Box 830766
Richardson, TX 75083-0766**

TO:



Richardson, Texas
www.N5CXX.us

CLUB STATION
(972) 705-1349
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, NRCXX-N2 & N5CXX-N3 HSMM-MESHNET Nodes 2.4 GHz

Membership Meeting
Tuesday 26 July 2022 5:30 PM
THE JULY MEETING WILL BE AT
Poor Richards Café Plano TX

NEXT SIGNALS INPUTS DEADLINE:
→→→ 12 August 2022 ←←←