



Richardson, Texas

# *SIGNALS*

## MONTHLY NEWSLETTER

Volume 46 Issue 07

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

April 2025

### CARC Membership Meeting Tuesday 22 April 2025 5:30 PM

The Meeting will be at  
Woodcreek Church  
3400 E. Renner Rd, Richardson TX  
(and via Zoom)

**"DigiPi - the Ham's  
Digital Toolbox"  
presented by  
Craig Lamparter, KM6LYW**

FT8, JS8Call, APRS and packet modes work like any other mobile phone app.



Hookup a DigiPi to your rig and instantly have access to radio SMS, EMail, and texting. Ultra-light, low-power makes it indispensable for Summit and Park operations. "Let's make Ham radio relevant in the information age!," says Craig. DigiPi implements all the data modes talked about at [KM6LYW Radio YouTube](https://www.youtube.com/channel/UC6M6LYW) channel.

A full description of DigiPi is available at <https://digipi.org/>.

Craig has been a Linux and Open Source professional for over twenty years. He's active in the Linux and Open Source community where he contributes to a variety of projects, writing articles, speaking at public events and generally evangelizing the open source continuum whenever possible.



The Collins Amateur Radio Club will hold its monthly meeting at Woodcreek Church, 3400 E. Renner Rd., Richardson, at 5:30pm on Tuesday, April 22nd. The program topic for the evening will be "DigiPi - the Ham's Digital Toolbox" presented by Craig Lamparter, KM6LYW.

The meeting will also be streamed via Zoom. Zoom login instructions will be emailed to members the day before the meeting and are posted on the Club's website at [n5cxx.us](http://www.n5cxx.us)

DigiPi is an easy-to-use amateur radio data transceiver hotspot for Raspberry Pi. All radio data modes are easily accessible over wifi via your phone or web browser. Make

### HAPPY BIRTHDAY JOHN McFADDEN K5TIP!!

Everybody wish John Happy Birthday on his 90<sup>th</sup> birthday on 22 April!! His family birthday dinner is the only thing that can keep him from the CARC membership meeting this month.



CARC LEADERSHIP			
<b>PRESIDENT</b>		<b>VICE-PRESIDENT</b>	
Mike Montgomery	WD5TX	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 Dempsey	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>IMMED PAST PRESIDENT</b>	
OPEN		Bill Swan	K5MWC
<a href="mailto:activities@n5cxx.us">activities@n5cxx.us</a>		<a href="mailto:Director@n5cxx.us">Director@n5cxx.us</a>	
<b>STATION TRUSTEE</b>		<b>NEWSLETTER EDITOR</b>	
Mike Montgomery	WD5TX	Jim Skinner	WB0UNI
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<b>MEMBERSHIP</b>		<b>WEBSITE MANAGER</b>	
Bill Fell	KK5PB	Mike Hollingsworth	W5QH
<a href="mailto:membership@n5cxx.us">membership@n5cxx.us</a>		<a href="mailto:webmaster@n5cxx.us">webmaster@n5cxx.us</a>	

**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 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 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).

**SIGNALS** is the monthly newsletter of the Collins Amateur Radio Club, published by and for its members. The entire contents of this newsletter are copyright © 2025 by the Collins Amateur Radio Club. Permission is hereby granted to any not-for-profit amateur radio publication to reprint any portion of this newsletter provided both the author and Collins Amateur Radio Club are credited.

**President’s Message**

I hope everyone is doing well as we approach this spring season. It is hard to believe that we are already in mid-April. We had some wind damage to the 2M/440 antenna that is used on the dual-band radio in the shack, but have the approvals and plans in place to get that antenna replaced.

One thing that I am excited about is the purchase of a WSPR transmitter. The order has been placed, and I am looking forward to getting N5CXX on the air with WSPR.

Field day is approaching fast, and the current plan is to operate from the shack as was done last year. I will need to get visitor information prior to the event, so stay tuned for more details to come.

There are some exciting programs coming up if you are interested in digital modes or Hamclock.

Until next month,

Mike Montgomery  
WD5TX

**Vice-President’s Report**

Five members paid renewal dues this month. Sixteen member’s dues have expired and have been notified of such. We have 60 challenge coins in inventory currently. I will have challenge coins available for purchase at \$5 each at the March general membership meeting.

**Membership Status:**

- Current Active Memberships = 53
- Inactive Memberships = 22
- Full Members = 38 (includes life and retiree members)
- Associate Members = 15
- New/renewed Members = 5
- Members moved to Inactive Status = 0
- Expired memberships awaiting renewal = 16

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**

25 March 2025

President Mike Montgomery WD5TX called the meeting to order at 1730 with the pledge of allegiance.

The meeting was in-person at our meeting site at Woodcreek Church in Richardson, with Zoom access available.

The following were present:

Bill Fell	KK5PB
Wayne Collins	KI5YOQ
Mark Dempsy	N5MD
Gene Duprey	K1GD
Frank Krizan	KR1ZAN
John McFadden	K5TIP
Mike Montgomery	WD5TX
Jim Skinner	WB0UNI
Milton Withers	AD5XD

Others logged in via Zoom:

Bob Coelln	KG5JL
Cory Golub	KU1U (guest speaker)
Bob Grigsby	KB5RAG (guest)
Clarence Sebesta	K5YO
Bill Swan	K5MWC

**Recognition of Members Present, New Members and Guests**

All members present were asked to introduce themselves, highlight their activities in the past month, and participate in a free-form discussion on topics of interest. Gene Duprey

K1GD gave an update on new products at HRO. Frank Krizan KR1ZAN suggested several candidate Club projects.

There were no new members.

**Program**

At 1800 our guest speaker, Cory Golub KU1U, introduced himself and presented a comprehensive program on D-STAR.

**Officer and Committee Reports**

The business meeting began at 1900.

The Vice President's and Secretary's reports were published in the February 2025 CARC Newsletter; the Treasurer's report is available on the Members Only page of the CARC website and was presented in the meeting by Treasurer Mark Dempsy N5MD. No clarifications or updates to these reports were offered at the meeting.

**Old Business**

There was no old business.

**New Business**

Frank Krizan moved to adopt a new quarterly schema for CARC meetings beginning in April:

- First month of quarter - Program on quarterly topic
- Second month - Elmer night, workshop on the quarterly topic, or show-and-tell
- Third month - Family dinner or other social activity

Mark Dempsy seconded the motion, and approval was unanimous.

**Adjournment**

The meeting was adjourned at 1910.





## Minutes of CARC Board of Directors Meeting

8 April 2025

The informal pre-meeting workshop began at 1900 via Zoom.

The following Board members logged into the meeting:

Mike Montgomery WD5TX, President

Bill Fell, KK5PB, Vice President

Jim Brown AF5MA, Secretary

Mark Dempsky N5MD, Treasurer

Bill Swan K5MWC, Immediate Past President

One non-voting CARC member also logged in:

Frank Krizan KR1ZAN

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

**Replacement of Dual-Band Antenna.** The 144-/440-Mhz vertical antenna supporting the CARC radio room has lost one or more elements to weather effects and requires replacement. Mike Montgomery WD5TX proposed purchase of a replacement, probably a Diamond X-30A. This will be voted as part of the formal Board meeting addressed below.

**Purchase of WSPR Desktop Transmitter for Club Use.** Mike Montgomery proposed purchase of a WSPR 80-10 transmitter for general use in the radio room. Funds, if approved, will also cover any necessary support elements, including an 80m dipole antenna. This will be voted as part of the formal Board meeting addressed below.

**D-STAR Implementation.** Future implementation of D-STAR capability in the CARC radio room was discussed. Issues to be addressed include Internet access and audio and GPS routing between the radio room and the antenna penthouse. Mike Montgomery will investigate options for discussion at next month's Board meeting.

**CARC Advertising on Displays at Collins Aerospace.** Television monitors have been available in the past for employee information. The Board discussed content for a CARC slide to attract new members. Following the meeting, Mike Montgomery WD5TX coordinated with Collins personnel and was told the monitors could not be used for club information. Bulletin boards are available for club postings, and we will pursue this approach.

**Discussions of Future Programs.** CARC Program Chairman Frank Krizan KR1ZAN reviewed general membership meeting activities for the next few months, all in the context of the new structure announced in last month's general membership meeting. Briefly, the structure is as follows:

Month One: Formal Program

Month Two: Elmer Night, Workshop or Show and Tell

Month Three: Dinner Meeting

The April meeting will address a Raspberry Pi application, the May meeting will be a workshop to implement the project introduced at the April meeting, and the June meeting will be a dinner with family members, probably at Spring Creek Barbeque.

**Formal Board Meeting.** A formal Board meeting was declared at 2019 to act on the two purchase requests developed in the earlier workshop.

**Motion 1:** "It is moved that the CARC Board authorize purchase of a replacement dual-band antenna in support of the radio room. Expenditures shall not exceed \$200." This was moved by Mike Montgomery and seconded by Bill Swan K5MWC; approval was unanimous.

**Motion 2:** "It is moved that the CARC Board authorize purchase of a WSPR 80-10 desktop transmitter for use in the CARC radio room. Expenditures, including antenna and other necessary support elements, shall not exceed \$250." This was moved by Mike Montgomery and seconded by Bill Swan; approval was unanimous.

**Adjournment.** The formal meeting was adjourned at 2025.

## March Meeting Recap

The March meeting of the Collins ARC was held on Tuesday, March 25th at Woodcreek Church with 14 people in attendance, 5 of whom checked in via Zoom.

The evening's program was presented by Cory Golub, KU1U, of Sabattus, ME. Cory presented an overview of D-STAR, a digital voice and data mode developed by the Japan Amateur Radio League. D-STAR is an acronym for Digital Smart Technologies for Amateur Radio.

Cory discussed the history of D-STAR, the complement of equipment that's been produced by ICOM and Kenwood, and the basics of setting up radios for various connection types (simplex, repeaters and reflectors).

The CARC repeater on 441.875 is a dual-mode repeater - analog FM and D-STAR. We do not yet have our repeater connected to the internet. When that happens (we hope this year), D-STAR users will be able to connect to any D-STAR repeater world-wide.

Cory's presentation slides will be added to our website in the next few days. In that way, those who attended can review the myriad of facts presented and, for those who didn't make the meeting, you can get a good collection of information about D-STAR.

At the Club's business meeting, following the program, the membership approved a new schema for meetings which follows a quarterly format:

- First month - Formal presentation on a topic
- Second month - Elmer Night, Workshop on topic, or Show and Tell Night
- Third month - Social event - typically a family dinner night at a local restaurant

See the "Looking Ahead" column elsewhere in this issue for a list of upcoming topics.

## CARC Community Service Activities

**Siren Testing** Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson outdoor warning siren testing. The April 2025 test was cancelled due to weather. 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 Garland Siren Tests were cancelled.](#)

**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



Each week on the Collins Amateur Radio Club's Drive Home Net (Tuesdays at 5:30pm on the N5CXX UHF repeater), we suggest a "Core Topic" to stimulate discussion. Even though any topic of interest to hams is invited, sometimes there's little to discuss, so the Core Topic gives us all an opportunity to speak up. Here's a collection of responses to Core Topics in the past month. We invite all our members to take a break from 5:30 to 6pm on Tuesdays and join in to share your thoughts.

### 4/1/2025

Core Topic: Have you ever done an April Fool's joke on another ham radio operator? All Net participants stated no; that politeness among hams is something that is very important. Several mentioned articles that have appeared in April issues of QST, 73 and CQ magazines over the years, but indicated that some of these articles have a sense of real-ness that could confuse new hams who don't "get the joke."

### 4/8/2025

Core Topic: If you could have any HF antenna that's manufactured, what would it be and why? Responses implied that Yagis were preferred for 20-10M with dipoles for 80/40. Yagis mentioned were Mosley Pro-96, other Mosleys, four-element SteppIR with 40M elements, TH-7, and multi-band beam - all about 50 to 60 feet high.

### 4/15/2025

Core Topic: Did you have an Elmer? Tell us about him/her. Are you an Elmer? Everyone on the Net stated that they had an Elmer - some were fellow hams at work; a couple had the same Elmer who helped them get their Novice license. One had an Elmer in the ninth grade; they graduated together from high school but went to different colleges. Everyone indicated they are or had been at one time an Elmer; some are helping family members get their license. Bill indicated that setting the example on the air is one way to indirectly Elmer others on proper procedures and behavior.

And here are the Net Logs for April:

**APR 1** - [6] KK5PB Bill NCS; K5WKS Kerry; KR1ZAN Frank; K5MWC Bill; WB0UNI Jim; W5BJ Bob; Core Topic: Have you ever done an April Fool's Joke on another ham radio operator?

**APR 8** - [5] K5WKS Kerry NCS; KR1ZAN Frank; K5MDK Michael; WB0UNI Jim; W5BJ Bob; Core Topic: If you could have any HF antenna that's manufactured, what would it be and why?

**APR 15** - [6] K5MWC Bill NCS; K5WKS Kerry; KR1ZAN Frank; WB0UNI Jim; W5BJ Bob; K5YO Clarence; Core Topic: Did you have an Elmer? Tell us about him/her. Are you an Elmer?

**APR 22** - No Net; General Meeting

**Last Net in April is April 29th.**

**Complete logs for 2023, 2024 and 2025 are available on the [n5cxx.us](https://n5cxx.us) website.**



Here are the meetings we have lined up for 2025. We have a number of open slots in 2025, so if you'd like to give a

presentation or have a suggestion, send your ideas to frank@krizan.org.

Beginning with our April meeting, we're switching to the new meeting schema of a presentation on a topic/project at the first meeting of the quarter; then, an Elmer night and workshop to build the project or help with troubleshooting; followed by a family dinner. The Ice Cream Social, held in July in previous years, will be moved to September as the dinner meeting. We hope you like the new format. Please let a club officer know your thoughts.

**Here's the calendar for the remainder of 2025:**

May 27 - Elmer Night/Workshop for DigiPi assembly

Jun 24 - Club Family Dinner at Spring Creek BBQ, Richardson

Jun 28/29 - FIELD DAY

Jul 22 - Antennas-Ladder-Line J-Pole & 80-10M EFHW

Aug 26 - Elmer Night/Workshop to build either J-Pole or EFHW

Sep 23 - Ice Cream Social

Oct 28 - HamClock using RPi

Nov 18 - Annual Meeting/Elections/Elmer Night/Workshop for HamClock assembly

Dec 9 - CARC Christmas Dinner - Aboca's Italian Grill



**ORI Aims for Earth-Venus-Earth Communications**

Open Research Institute (ORI) has begun an ambitious effort to bounce radio signals off Venus and back to Earth. A project plan is in place that outlines feasibility, requirements, and timing.

"We've shown that with access to some of the largest amateur dishes, such as at DSES, Dwingeloo, Stockert, and potentially other sites, that amateur radio equipment and techniques can potentially bounce signals off Venus," a spokesperson at ORI said.

Hams are encouraged to participate in the project.

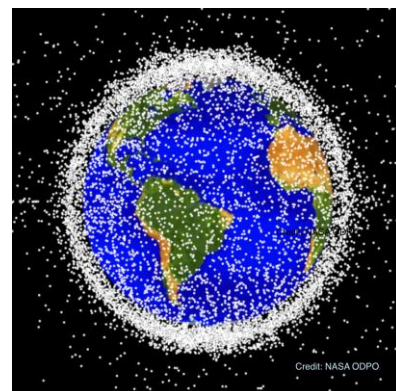
Source: *Open Research Institute (March 21, 2025)*



The increasing threat from space debris calls for both higher maneuverability in orbit and a reduction of the amount of junk. British startup Magdrive claims it can help with both, via a new propulsion system for spacecraft that will launch into space for the first time later this year and will be fueled by solid metal.

The first incarnation of the Magdrive system - called Warlock - is set to launch into orbit in June 2025. It works by creating power using onboard solar panels to ionize metal. Once det-onated, the metal is turned into extremely hot and dense plasma, or electrically-charged gas.

For now, the system is not refuelable. In the more distant future, however, the system could obtain its fuel from existing space junk, by harvesting dead satellites for metal to use as propellant. (ANS thanks CNN Science for the above information.)



[Source: ANS-082  
AMSAT News Service Weekly Bulletins for March 23, 2025]



# Cosmic Rays Spark Lightning

## NEW EVIDENCE THAT COSMIC RAYS SPARK LIGHTNING

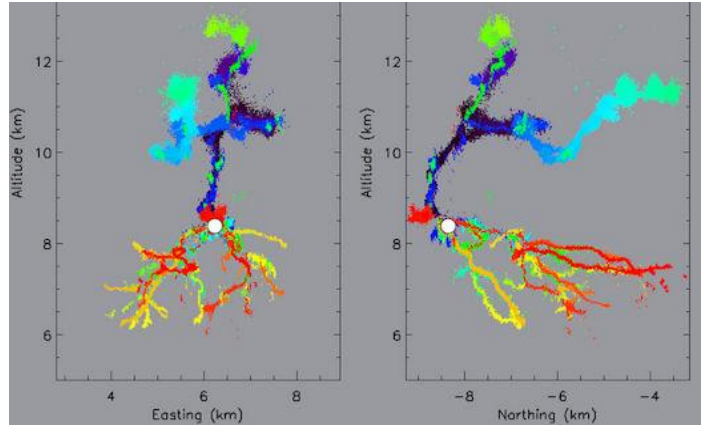
Every second, almost 50 bolts of lightning zig-zag across the skies of Earth. Despite centuries of study, however, researchers still aren't sure how the bolts get started. Electric fields in thunderclouds are often too weak to ignite a powerful discharge.



A lightning bolt over Brazil. Photo credit: Sergio Mazzi

A [new study](#) just published in the *Journal of Geophysical Research* may have solved the mystery.

"We believe that that most lightning flashes in thunderstorms are ignited by cosmic ray showers," says the study's lead author Xuan-Min Shao, a senior scientist at the Los Alamos National Laboratory in New Mexico. To investigate the earliest moments of lightning formation, Shao and colleagues built a radio interferometer named "[BIMAP-3D](#)." Consisting of an array of 8 antennas in Los Alamos, BIMAP-3D can make three dimensional images of lightning and pinpoint the bolts inside thunderclouds. Here's an example:

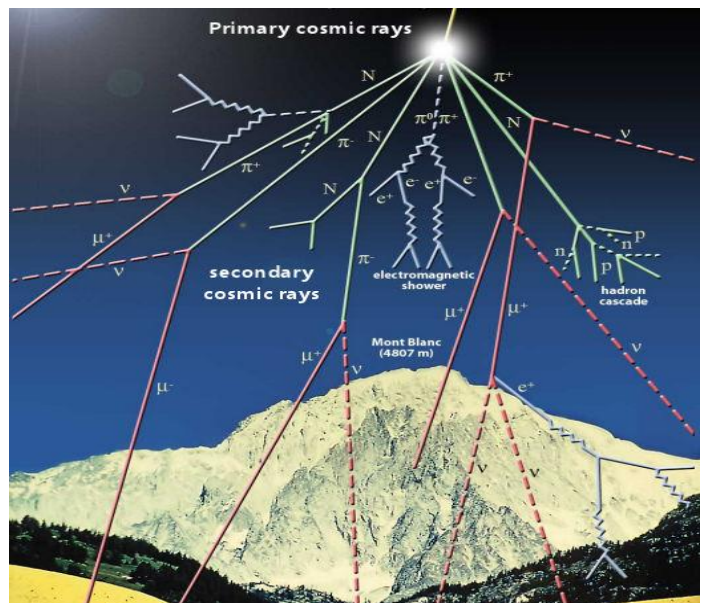


Colors in the image represent time. Blue traces the earliest moments of the bolt, while red denotes the end.

This is a lightning bolt from a massive thunderstorm that passed by Los Alamos on July 30, 2022. BIMAP-3D imaged more than 300 bolts during the 90-minute storm. It was a treasure trove of data.

The experimenters realized that some of the bolts they observed happened in parts of the storm where electric fields were too weak to cause the "Initial Breakdown Event" (IBE) - the initial spark that sets the lightning in motion. Modern theories of relativistic electron avalanche couldn't explain what they saw. Their suspicions soon focused on cosmic rays.

Cosmic rays are high energy particles that come from distant supernova explosions and other violent events across the cosmos. They strike Earth's atmosphere all the time, creating a secondary spray of particles called "cosmic ray showers." Regular readers are familiar with these showers because we routinely monitor them using Earth to Sky cosmic ray balloons over California.



One of the important things about cosmic ray showers is that they contain anti-matter positrons as well as ordinary electrons. The Los Alamos 3D lightning maps contained strong evidence for positrons. Electrons and positrons are bent in opposite directions by Earth's magnetic field, so they leave opposite imprints on [the lightning's polarization](#), which BIMAP-3D also measured.

"It took me a while to figure this out," admits Shao. "I started with electrons only at the beginning, but could not explain the observations. With both electrons and positrons involved, all the observations can be consistently explained."

Positrons clinched the case for cosmic rays. "The fact that a cosmic ray shower provides an ionized path in the cloud that otherwise lacks free electrons strongly favors the inference that most lightning flashes are ignited by cosmic rays," the authors wrote.

In fact, it's still unclear how much of Earth's lightning is sparked by cosmic rays. Many more storms need to be studied with this method to improve the statistics. "This will require a lot of long-term and good quality lightning data," Shao says.

Stay tuned! And meanwhile, read the original research [here](#).

[Article used by implied permission of SpaceWeather.com, issue dated 20 March 2025]

## 9-11 Special Event

The following special event information is from the Alabama Contest Group.

**It was 25 years ago but We Do Remember You as if it was yesterday and always will.**

Special Event to Honor the Victims of 9-11: New York City, Shanksville PA. and Washington D.C.

Begin: September 06, 2025 00:01 GMT / 7:00 PM Central time

End: Thursday September 12, 2025 23:59 GMT / 6:59 PM Central time

Many members of the Alabama Contest Group will activate K4A for the fifth year. This year's event will be called "9-11 We Do Remember." We will operate all modes: SSB, FT8, CW, and RTTY. We will try to be on all bands 160 through 10 meters, including WARC bands.

This year a new special QSL and certificate "We Do Remember" theme will be available.

To those who contact K4A on three bands using any combination of bands/modes we will offer a full color glossy certificate on heavy paper which will be mailed in a full-size manila envelope, all postage paid by the Alabama Contest Group, even if you are DX.

If you qualify for the certificate, send your QSL to WA1FCN. Put each QSO information on your QSL. We request a \$3.00 donation to help cover cost of Special Event.

Or, for our QSL only (no certificate), send your QSL and your SASE to Bob Sarnecki NF7D.

Mailing Addresses:

WA1FCN  
Robert Beaudoin  
970 Mountainview Rd  
Cordova, AL 35550

NF7D  
Bob Sarnecki  
591 DEER RUN RD  
Alabaster, AL 35007-9502

Source: Alabama Contest Group (April 4, 2025)

## Texarkana's Tailgate Mini-Fest



Sponsored by the Four States Amateur Radio Club

**WHERE:** PAVILION AT TRAILHEAD PARK  
117 SE Front St. New Boston, TX 75570

**WHEN:** MAY 31, 2025 8:00 AM to 2:00 PM

**RADIOS GIVEN AWAY EVERY HALF HOUR!**

- TICKETS MAY BE PURCHASED UP TO THE TIME OF DRAWING. MUST BE PRESENT TO WIN. FREE DOOR PRIZE TICKET FOR ADULTS.
- RAFFLE PRIZES GIVEN AWAY ON THE HOUR. DOOR PRIZES GIVEN AWAY ON THE HALF-HOUR.
- 10'X10' SPACE FOR RENT UNDER PAVILION: \$5.00.
- LIMITED NUMBER OF TABLES FOR RENT FOR THOSE SPACES UNDER PAVILION: \$5.00 EACH.
- FREE TAILGATE SET UP OUTSIDE OF PAVILION.

HAMBURGERS, HOT DOGS AND ALL THE TRIMMINGS WILL BE SERVED. DONATIONS APPRECIATED.

TALK IN FREQUENCIES: 146.620/100 OR 147.200/100

FOR MORE INFORMATION  
PHONE OR TEXT: 903-276-0552  
EMAIL: 4SARCEVENTS@GMAIL.COM





## Upcoming Events

	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 7106 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. 441.875 (+5) MHz, PL=131.5 Hz (N5CXX 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>APRIL</b>	
<b>19-20</b>	<b>CQMM DX.</b> We have an ambitious goal to achieve (set in 2010 to be achieved by 2025), which is to try to receive 2,500 LOGs. Starts: 0000 UTC Saturday, Ends: 2359 UTC Sunday. Details at <a href="https://www.cqmmDX.com/">https://www.cqmmDX.com/</a> .
<b>MAY</b>	
<b>24-25</b>	<b>CQ WPX CW.</b> The WPX Contest is based on an award offered by CQ Magazine for working all prefixes. Held on the next-to-last weekend of May, the contest draws thousands of entries from around the world. Starts: 0000 UTC Saturday, Ends: 2359 UTC Sunday. Details at <a href="https://www.cqwpX.com/">https://www.cqwpX.com/</a> .
<b>JUNE</b>	
<b>7-8</b>	<b>International Digital Contest—</b> Amateurs worldwide contact and exchange QSO information 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 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>14-16</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 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.

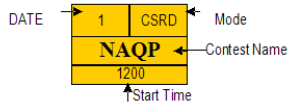
**BALANCED** - Radio is an avocation, never interfering with duties owed to family, job, school or community.

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

CDXA Periodic Table of Contests - 2025

January	February	March	April	May	June	July	August	September	October	November	December
4   R RTTY Roundup 1800	1   CSRD VT QSO Party 0000	1   S ARRL DX - SSB 0000	5   CSRD LA QSO Party 1400	3   CSRD 7th Area QSO Party 1300	7   CSRD KY QSO Party 1300	1   CS RAC Canada Day 0000	2   C NAQP - CW 1800	6   C CWops Open 0000	4   CS CA QSO Party 1600	1   C Sweepstakes - CW 2100	5   CS ARRL - 160M 2200
11   C NAQP - CW 1800	1   CSRD MN QSO Party 1400	8   CSRD OK QSO Party 1400	12   CSRD NM QSO Party 1400	3   CS IN QSO Party 1600	7   D ARRL - INT. Digi 1800	12   CS IARU 1200	9   C WAE DX - CW 0000	7   CSRD TN QSO Party 1700	11   R Makrothen - RTTY 0000	8   R WAE DX - RTTY 0000	6   D FT Challenge 1800
18   S NAQP - SSB 1800	1   CSRD BC QSO Party 1600	8   C Stew Perry TBC 1500	12   CS GA QSO Party 1800	3   CSRD DE QSO Party 1700	14   CSRD ARRL - VHF 1800	19   CSRD CQWW - VHF 1800	9   CSR MDC QSO Party 1400	13   S WAE DX - SSB 0000	11   CSRD NV QSO Party 0300	15   S Sweepstakes - SSB 2100	13   CS ARRL - 10M 0000
20   CSRD ARRL - VHF 1900	2   C NA Sprint - CW 0000	8   CSRD ID QSO Party 1900	19   CSRD MI QSO Party 1600	3   CSRD New England QSO Party 2000	21   C Stew Perry TBC 1500	19   R NAQP - RTTY 1800	16   S NAQP - SSB 1800	13   CSRD ARRL - VHF 1800	11   CSR AZ QSO Party 1500	22   C CQWW - CW 0000	27   CS RAC Winter 0000
24   C CQ - 160M CW 2200	8   R CQWW WPX - RTTY 0000	9   R NA Sprint - RTTY 0000	19   R CQMM DX 0900	10   CS CQM DX 1200	21   CSRD WV QSO Party 1600	26   CS RSGB IOTA 1200	23   CSRD HI QSO Party 0400	14   C NA Sprint - CW 0000	11   CSRD PA QSO Party 1600	All   C K1USN Test 0000	27   C Stew Perry TBC 1900
25   R BARTG RTTY Sprint 1200	15   C ARRL DX - CW 0000	9   CSRD WI QSO Party 1800	18   CS ON QSO Party 1800	17   CSR AR QSO Party 1400	All   C K1USN Test 0000	All   C K1USN Test 0000	23   CS OH QSO Party 1600	20   C SAC - CW 1200	11   CSRD SD QSO Party 1800	All   C IWC Test 1300	All   C K1USN Test 0000
All   C K1USN Test 0000	21   S CQ - 160M SSB 2200	15   R BARTG RTTY 0200	20   CS QC QSO Party 1200	24   C CQWW WPX - CW 0000	All   C IWC Test 1300	All   C IWC Test 1300	30   D WW Digi DX 1200	20   CS NJ QSO Party 1400	18   CSRD NY QSO Party 1400		All   C IWC Test 1300
All   C IWC Test 1300	22   CSRD SC QSO Party 1500	15   CSRD VA QSO Party 1800	26   CS FL QSO Party 1600	All   C K1USN Test 0000			30   CSRD KS QSO Party 1400	20   CSRD TX QSO Party 1400	18   CS Worked All Germany 1500		
	22   R NAQP - RTTY 1800	23   R NA Sprint - SSB 0000	All   C K1USN Test 0000	All   C IWC Test 1300			Mondays   C K1USN Test 0000	20   CSRD NH QSO Party 1600	18   C Stew Perry TBC 1500		
	23   CSRD NC QSO Party 1500	29   S CQWW WPX - SSB 0000	All   C IWC Test 1300				All   C IWC Test 1300	20   CSRD WA Salmon Run 1600	19   CSRD IL QSO Party 1700		
	All   C K1USN Test 0000	All   C K1USN Test 2000						21   R NA Sprint - RTTY 0000	25   S CQWW - SSB 0000		
	All   C IWC Test 1300	All   C IWC Test 1300						27   R CQWW - RTTY 0000	All   C K1USN Test 0000		
								27   CS ME QSO Party 1200	All   C IWC Test 1300		
								All   C K1USN Test 0000			
								All   C IWC Test 1300			

**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

**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.

<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, N5CXX-N2 &amp; N5CXX-N3 HSMN-MESHNET Nodes 2.4 GHz</b></p>
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<p><b>Membership Meeting</b> Tuesday 22 April 2025 5:30 PM THE MEETING WILL BE AT <b>Woodcreek Church Richardson TX</b></p>
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<p><b>NEXT SIGNALS INPUTS DEADLINE:</b> <b>→→→ 16 May 2025 ←←←</b></p>
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