

CARC Membership Meeting

Tuesday 25 May 2021 7:00 PM
NOTE THE TIME CHANGE

The May 2021 MEETING WILL BE
CONDUCTED BY VIDEO CONFERENCE!

*“Status of ARES/RACES in Collin &
Dallas Counties”
by John Galvin N5TIM*

May Meeting Announcement

The May General Membership Meeting of the Collins Amateur Radio Club will be held Tuesday, May 25th, from 7:00 to 8:30 pm via Zoom. The main program for the night will be “Status of ARES/RACES in Collin and Dallas Counties,” presented by John Galvin N5TIM.

The program is a status report and information on public service in the area and includes some opportunities for public service. John says he’s “just a public service-minded ham involved in and supportive of a number of public service activities as well as emergency communications.”

The “Zoom doors” will open at 6:30 pm to allow for socializing and adjustment of audio/video settings. In addition, we’ll keep Zoom open for 30 to 45 minutes after the meeting to allow more socializing and mentoring. Zoom login info will be emailed to all members the

weekend prior to the meeting. To help with missing emails and accidental deletes, the Zoom credentials are now posted via links in the Members Only section of the www.n5cxx.us website. Look for the “Business Table” near

the top of the Members Only section and click on the “CARC General Meeting Zoom Login” link. This information will be updated monthly. If you need the Members Only login info, please contact the Club’s webmaster.

CARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT, Frank Krizan KR1ZAN, and Jim Skinner WB0UNI participated in the Richardson emergency siren testing on 5 May. The May test went fairly well—most sirens worked well. 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. The May Garland siren test was 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 all suspicious activities to the police department.

Field Day 2021

Mark your calendars for the weekend of June 26/27. The Collins Amateur Radio Club is setting up a minimal Field Day at Winters Park in Garland, Texas. We will be collocated with the Garland Amateur Radio Club, which is not running their traditional multi-station Field Day this year.



We are planning one HF station, so we’ll be running Class 1A, and may have a 6M station. It’s a “B.Y.O.F.” operation (Bring Your Own Food). The Club will be using its newly acquired pair of Honda generators and hopes to have its new Icom IC-7300 XCVR as the main station. (Cont, on p4)

CARC OFFICERS	
PRESIDENT Frank Krizan KR5N 214-563-6679 kr5n@arri.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@yahoo.com
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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 in Conference Room A of the Methodist Richardson Medical Center, at the Bush/Renner/Shiloh intersection in Richardson. 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. **CANCELLED UNTIL FURTHER NOTICE**

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



Club Radio Room Update: As reported in last month's SIGNALS, the Club's radio equipment, ancillary equipment, tools, storage cabinets and furniture have been moved into our new radio room in building 461. It's taken a while to contact the appropriate people at the plant, but we have been told that the CARC retiree company badges have been re-activated, and access to the building and the radio room is approved. The CARC Board is planning to start an inventory of our equipment and do a site survey of the room and the roof to start plans on getting the station operational again.

The Board, at its May workshop, decided to focus on getting the necessary electrical outlets, grounding and building penetration scheduled so that a "minimal station" configuration allowing for HF and VHF/UHF operation can begin as soon as practical. Once the needed power, ground and access is completed, the station can be assembled in such a manner as to make it useable, not as a major contesting station, but one that offers practical HF/VHF/UHF communication. We will then be able to demonstrate to the Company that we have a useable radio station, once again.

The next step will be to determine how to make use of the existing antennas which are located some distance from the new radio room. This may wind up being a long-term project but, in the meantime, we will have a functional radio room.

Our go-kit projects, funded in the Annual Operating and Major Expense Budgets, are moving along. We now have a pair of Honda generators that can be operated individually or in tandem to provide 30A at 120VAC. Kerry Weeks,

K5WKS, is preparing power distribution and storage for the cables, etc. Bill Fell, KK5PB, is designing the HF and V/UHF go-kits. We've had some problems getting radios because of the semiconductor fire that occurred last year that affected most of the big amateur radio suppliers. Some of the equipment is in, but we're on the waiting list for the Icom IC-7300. We hope to have it in time for Field Day. These go-kits will be great for outdoor and special events, demonstrations, and (their primary purpose) supporting emergency communications.

And, speaking of Field Day, we have been invited to operate in a co-located fashion with the Garland Amateur Radio Club at Winters Park in Garland. The Garland ARC doesn't have a formal plan for Field Day, so they may have only a handful of folks bringing radios and antennas out for setup for a few hours. We are planning to set up a Class 1A station, perhaps with a 6M station elsewhere in the park. More details are available elsewhere in this SIGNALS. We'll be using our new pair of generators, which are equipped with extended-run fuel tanks.

We've had a few more of our members join the CARC groups.io discussion group. It would be great if a majority of our members (actually all would be the best) joined in. You can go to <https://groups.io/g/CARC> and click on the JOIN button. Be sure to include your name and call in the comments. Our discussion group is For Members Only. If you don't want to set up an account on groups.io, you can send a request to join (include your name and call) to kr5n@arrl.net. An invitation will be sent to you, which you accept, and you're then added to the group. You will receive all correspondence and can post messages; however, only registered members can change their email delivery options, review email archives, add/view files and databases, etc. Full membership is the best.

There's been a lot of discussion about the recent FCC announcement concerning RF Exposure Evaluation. The ARRL is working with the FCC to produce new engineering documents to help hams perform these evaluations. The latest info is available at <http://www.arrl.org/rf-exposure>. I'm working on a program for our Club and several other nearby clubs for club meetings which demystify the requirements and should calm a lot of fears. This program is planned for the Collins ARC at the August meeting, but I am considering offering it via Zoom in late June or early July. We'll still offer it in August.

Remember those Club business cards you received with your new name/call badge a couple of months ago? I hope you'll put them to use and hand them out to fellow Collins retirees, Collins Aerospace employees, new hams that you meet who may not yet have a club home, or other hams who would like to be part of the Collins tradition.

And consider inviting a friend to one of our meetings. If you'd like to invite someone, share the Zoom login info with

them AND let me know at kr5n@arrl.net whom you've invited.

73 de Frank KR5N

Vice President/Membership Chairman Report

Membership Chairman Report - The CARC added a new member during this reporting period. Say Hello to William (Bill) Hepting KF5FFV. Bill is a current employee of Collins Aerospace. He holds a Technician License, is a member of ARRL and is interested in Emergency Communications, public service and general operating events.

Welcome Bill!

Current Membership - 59

Full Members - 38

Associate Members - 13

Life Members - 8

The most current roster is posted on the Members Only portion of our web site. If you need a Member ID and Password for the Members Only portion you can contact Mike Hollingsworth at (C) 972-571-6060.

73s,

Bill K5MWC

Secretary's Report

27 April 2021

President Frank Krizan KR5N called the meeting to order on-line via Zoom at 1900.

The following logged into the meeting:

Brian Belcher	WA5M
Jim Brown	AF5MA
Bob Coulbourne	W4FTD
Martk Dempsey	N5MD
Bill Fell	KK5PB
John Galvin	N5TIM
Andrew Koenig	KE5GDB
Frank Krizan	KR5N
John McFadden	K5TIP
Keith Parris	WB5RBA
Jack Reed	WA7LNW
Mike Schmit	WA9WCC
John Schroeder	K5ZMJ

Clarence Sebesta	K5YO
Jim Skinner	WB0UNI
Jim Stafford	W5DTG
Dennis Strouble	KW5DS
Bill Swan	K5MWC
Matt Thomas	W5MT
Kerry Weeks	K5WKS

Officer and Committee Reports

The President's Report, Vice President's Report, Secretary's Report and Activity Manager's Report as included in the April 2021 CARC Newsletter were accepted as published. President Frank Krizan KR5N presented the Treasurer's Report for Treasurer Rohan Thomas KG5RCN.

Frank summarized the two actions of the Board of Directors at their April meeting:

1. Approved a motion to accept the new location for the CARC radio room as offered by Collins Aerospace
2. Approved a motion to pursue CARC participation in the June 2021 ARRL Field Day

Old Business

There was no old business.

New Business

There was no new business.

Introductions and Announcements

President Frank Krizan recognized the following guests:

Andrew Koenig KE5GDB, a member of the Richardson Wireless Klub (RWK) and our guest speaker for the evening

Matt Thomas W5MT, a former Collins employee living in Murphy

Jack Reed WA7LNU, a Collins Aerospace employee connecting in from a company test site near Washington, Utah

Dennis Strouble KW5DS, a member of the RWK, and

John Schroeder K5ZNJ, participating from his home in west Texas

Jack Reed WA7LNU announced that the 7th Call Area QSO Party (7QP) will be held this weekend.

John Galvin N5TIM announced that the annual Texas MS 150 bike tour will be held on May 15.

Kerry Weeks K5WKS announced that the Garland Amateur Radio club is planning a flea market to be scheduled on

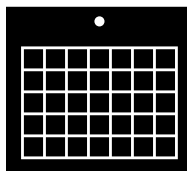
May 29. He also announced that the CARC now has two portable generators in inventory for use as needed.

Adjournment

The meeting was adjourned at 1928, followed by a presentation on "DMR Basics and the RWK DMR Repeater" by Andrew Koenig KE5GDB.

ACTIVITY MANAGER'S REPORT

by Kerry Weeks, K5WKS



Andrew Koenig, KE5GDB, did an excellent job of explaining DMR and the RWK DMR repeater at the April meeting. He gave us a great overview of all the repeater systems that the Richardson Wireless Klub maintains. Thanks Andrew! One of these days, I'll get my

DMR HT programmed and on the air.

This month (May 25th), John Galvin, N5TIM, will give us a status report on ARES and RACES in Collin and Dallas counties. As hams, we should be prepared to provide emergency communications for ourselves, our families, our neighbors and our communities. For those of you who aren't active in ARES/RACES, I think you'll find this very informative.

Upcoming meetings:

June 22 - Field Day Final Preparations - Activities Committee

July 27 - Annual Ice Cream Social (location TBD)

August 24 - Performing RF Exposure Evaluations for your Ham Station - Frank Krizan, KR5N

September 28 - TBD

October 26 - TBD

November 23 - Annual Meeting/Election of Officers

December - Christmas Dinner Party (Date and venue TBD)

If you'd like to do a program in 2021 or have a suggestion for a program (either a topic or the name of a speaker), let me know. How about operating events - which ones do you think the Club should take part in? And don't be shy about stepping up to organize our Club's involvement in a contest or Special Event. Send your ideas to weeks.kerry@gmail.com

Field Day 2021 (Continued from page 1)

We'll be using computer logging (probably N1MM Plus). As more details get ironed out, the Activities Committee will be communicating more info about our setup to those persons who have signed up to operate.

We had ten folks respond to our recent survey who indicated "Yes or Maybe I would participate in a CARC Field Day if it was in the field." The survey was anonymous - so, now it's time to let us know who you are and what times and modes you'd prefer to operate. We'll be on the air from 1 pm Saturday, June 26th to 1 pm Sunday, June 27th (24 hours). Ideally, we can get six operators who would each agree to operate for four hours (two different time blocks of two hours each would work out well, too).

So, this is a first call for operators: Send your name, call, email address and phone number (mobile # preferred) and your first, second and maybe even third preferred time slots (either a four-hour block or a pair of two-hour blocks). We'll try to accommodate everyone, but there may be some negotiation.

Winters Park has nice restrooms and plenty of parking. The restrooms are well built and are usable as storm shelters, if required.

This will be our first outdoor Field Day in some time. It should be fun. Even if you're not operating, we hope you'll come out, bring your family and some prospective ham friends, and cheer on the team.

For those of you who aren't into the "field thing," there's good news from the ARRL for 2021 - they're continuing the exemption for operation from home and allowing participants to report their score as a composite on behalf of the Club. Details on this are available at <http://www.arrl.org/news/arrl-to-extend-field-day-rule-waivers-from-2020-add-class-d-and-e-power-limit>. During June, we'll send an email to all Club members and post the info on the n5cxx.us web site about the proper name to use for our Club. At the June 22nd CARC meeting (via Zoom), we'll finalize details on the Club's operation at Winters Park and provide some suggestions for those operating from home - i.e., what the QSO exchange is, how to log, how to report, etc. J. Mitch Hopper, K9ZXO, has provided an excellent YouTube video (it's only eight minutes) which gives a great overview of Field Day and a few thoughts on getting ready. Check it out [here](#).

— the CARC Activities Committee



Sporadic SIGNALS

...captured by

Frank KR5N

This month, there's a number of nice software apps to tell you about. The first one has to do with displaying your VUCC credits on a world map:

FG80J has developed a quick script to display your VUCC credits on a world map.

- 1/ Connect to LoTW
- 2/ Go to your VUCC favorite award page and select "All credits"
- 3/ Copy the page with CTRL+A and CTRL+C
- 4/ Go to <https://fg80j.com/lotwgrid2map/>.
- 5/ Paste in the form's text area CTRL+V
- 6/ Enjoy

(Info courtesy the AMSAT News Service Weekly Bulletin for April 18, 2021)

Under the pseudonym YONIQ, a new version of the popular MMSSTV software for communication via slow TV sweep or SSTV was born. The idea is to provide the popular software with certain functionalities, to a greater or lesser extent, demanded by many of its users over time. (MMSSTV -; YONIQ). You'll find the software and documents at <https://hamssoft.ca/pages/mmsstv-yoniq.php>.

YONIQ maintains the charm and most functions of the original software, but also provides you with other functions that manage to place you within the segment of utilities intended for 21st century radio amateurs. A necessary and powerful update since the release of version 1.13 10 years ago. This has been created from the implementation of new code and modification of some of the source code provided through GITHUB under GNU license, as indicated in <http://mm-open.org>.

YONIQ is not a new program, it is a continuation and update of the wonderful work done by JE3HHT who named it MMSSTV. It is simply a version of the original software, sharing its GNU license, as is the wish of its original creator Makoto Mori.

And then for users of WSJT-X, there's a "better mouse trap" in the works:

Need another Badge or Coffee Mug?




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

JTDX means "JT, T10 and FT8 and FT4 modes for DXing." It is being developed with a main focus on sensitivity and decoding efficiency, both in overcrowded and half-empty HF band conditions. Software builds and documentation for just about every form of operating system are available at JTDX.com.

JTDX is modified WSJT-X software forked from WSJT-X r6462. JTDX supports JT9, JT65, T10, FT8 and FT4 © digital modes for HF amateur radio communication, focused on DXing and being shaped by a community of DXers. The software has gone through a number of iterations and has no guarantees. Give it a try.

Charlie Sufana, AJ9N, one of the ARISS (Amateur Radio on the International Space Station) operation team mentors provides the latest status report on ARISS:

IORS (Kenwood D710GA) Status Active.. Supporting cross-band repeater operation (145.990 up [67 Hz tone] /437.800 down MHz). Next mode change to packet operations targeting mid-June. Supporting USOS scheduled voice contacts, packet and voice repeater ops.

Service Module radios:

Kenwood D710E Status - Radio usually off. Supporting ROS scheduled voice contacts and SSTV.

The latest information on the operation mode can be found at <https://www.ariss.org/current-status-of-iss-stations.html>.

The latest list of frequencies in use can be found at <https://www.ariss.org/contact-the-iss.html>

The good news is that as Covid-19 restrictions are easing up, in-person hamfests and flea markets are springing up. This one's a bit of a drive from DFW, but it has been a fun hamfest. **The Texas City, Tidelands Hamfest is scheduled for Saturday, July 10, 2021.** The Hamfest will be held at the Doyle Convention Center, 2010 5th Avenue North, Texas City, Texas 77581 (29°23'26.54"N 94°55'27.02"W) from 8am to 2pm. TALK IN 147.14 MHz Tone 167.9 (Secondary) 442.025 MHz Tone 103.5.

There will be drawings for hourly prizes and a grand prize, swap tables, major vendor tables, food vendors, exhibits/forum, a left foot CW contest and a hidden transmitter hunt. Also planned are an amateur exam session courtesy of the Clear Lake Amateur Radio Club and an interesting amateur radio forum. The Houston Vintage Radio Association will be back again this year with their auction. They have a small admission fee, but it is well worth it. If you have anything you wish to auction off, bring it along. More info at www.tidelands.org.

Here's something from Make: magazine that would be very handy for Field Day. It's a storm warning lightning detector. Build your own wearable lightning detection system! It detects strikes and even tells you how far away they are.

The materials for building it cost less than a commercial detector, and you'll get to hone your circuit-making skills in the process. Construction info at: <https://makezine.com/projects/storm-warning-lightning-detector/>.

EVS Supply in Richardson is moving from their current location at 630 International Pkwy, STE 150, to a new nearby location in Richardson in early June. Before going to see them, give them a call at 972-231-5351 to see if they've moved. No details are available at this time on their new address. Their web site is evssupply.com

For those of you who like to keep your long-term calendars up to date, **the ARRL North Texas Mentorfest date has been changed to Saturday, October 9, 2021.** Watch the ARRL NTX web site (www.arrlntx.org) for more details as we get closer to fall. This is expected to be an in-person event.

The next ARRL NTX "Town Hall Meeting" has been scheduled for Tuesday, June 1st. This is a great place to learn about goings-on at ARRL HQ and field operations, and to ask questions and express your opinions about topics of amateur radio interest. This is expected to be a Zoom meeting. The video conferencing information should be posted on the ARRL NTX web site (www.arrlntx.org) and will definitely be sent to ARRL members who are subscribed to ARRL Section/Division emails via their profile on the arll.org web site. CARC will re-broadcast the Zoom link info once it's made available. The start time hasn't been announced yet.

... until next month, 73 de KR5N

Drive Home Net Report - MAY 2021

The Collins ARC Drive Home Net continues on Tuesdays from 5:30 to 6:00 pm on the N5CXX Repeater 441.875 MHz, +5 MHz, PL=131.8 Hz. The Net is not held on the 4th Tuesday due to the monthly membership meeting (the exception is December when net schedules work around the Christmas Dinner and Christmas Eve/Day).



All stations are invited to check in, whether a member of CARC or not. The Net is informal, operating as a roundtable. Here's the log since last month:

APRIL 20 - [5] KR5N Frank (NCS); WB0UNI Jim; K5MWC Bill; K5WKS Kerry; KC5MVE Paul.

APRIL 27 - NO NET; GENERAL MEETING

MAY 4 - [8] KR5N Frank (NCS); WB0UNI Jim; K5WKS Kerry; KI5CYA Mark; KC5MVE Paul; K5NJM Nick; KI5MHX Sharhyar.

MAY 11 - [6] KR5N Frank (NCS); K5WKS Kerry; AC5BC Bill; N5WSV George; K5YO Clarence; KC5MVE Paul.

MAY 18 - [6] KR5N Frank (NCS); K5MWC Bill; K5WKS Kerry; WB0UNI Jim; KC5MVE Paul; KI5CYA Mark.

Average participation for this period: 6

Average participation for the previous period: 5

The Drive Home Net is intended for comments on amateur radio topics, listing items for buy/trade/sell, asking questions or contacting others on frequency. We hope you'll give it a try soon. We've had some great conversations of late.

First-Time Exam Applicants Must Obtain FCC Registration Number before Taking Exam

Effective Thursday **May 20, 2021**, all amateur examination applicants will be required to provide an FCC Registration Number ([FRN](#)) to the Volunteer Examiners (VEs) **BEFORE** taking an amateur exam. This is necessary due to changes the FCC has made to its licensing system.



Social security numbers are no longer accepted at exam sessions.

Amateur candidates who already have an FCC license, whether for amateur radio or in another service, already have an FRN and can use the same number. All prospective new FCC licensees, however, will be required to obtain an FRN *before* the examination and provide that number to the volunteer examiners on the Form 605 license application. An FCC [instructional video](#) provides step-by-step instructions on how to obtain an FRN through the FCC's Commission Registration System (CORES).



The FRN is required for all new applicants to take an amateur exam and is used afterward by the applicant to download the license document from the FCC Universal Licensing System ([ULS](#)), upgrade the license, apply for a vanity call sign, and to submit administrative updates (such as address and email changes) and renewal applications.

Starting on June 29, all applications filed with the FCC must include an email address for FCC correspondence. After receipt of the initial announcement that all future applications would require an email address, ARRL was concerned for the privacy of its members and requested that amateurs' email addresses not be made public. This week the FCC agreed, stating in an email to ARRL counsel that it will continue to "mask" amateurs' email addresses from public view in the Universal Licensing System ([ULS](#)). The FCC will use the email addresses supplied by amateurs to correspond with applicants, including sending a link to the official electronic copy of the license when an application is granted.

The FCC is transitioning to fully electronic correspondence and no longer mails hard-copy licenses. Amateurs are able to view, download, and print their official license grant using

the ULS. When a license is first granted, each applicant will receive an email with a direct link to the license. Although the link expires in 30 days, the license itself will remain available in the ULS and may be downloaded at any time by signing into the licensee's account using their FCC Registration Number (FRN) and password.

On or after June 29, a valid email address must be provided with each application, and must be kept current by filing a modification application as necessary. Under the amended Section 97.23, "The email address must be an address where the grantee can receive electronic correspondence. Revocation of the station license or suspension of the operator license may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct email address."

Applicants lacking an email address should consider using the email address of a friend or family member on their FCC applications.

HAM EXAM 101 - MAY 2021

It may have been a while since you took your ham exams, or it may have been just a few weeks ago. Each month, we'll review one question from each of the pools (Tech, General and Extra) to test your Ham Knowledge. The correct answers are shown (upside down) elsewhere in this issue of SIGNALS.

- Which of the following can cause radio frequency interference?
 - Harmonics
 - Spurious emissions
 - Fundamental overload
 - All of these choices are correct
- What is a type SMA connector?
 - A large bayonet connector usable at power levels more than 1 KW
 - A connector designed for serial multiple access signals
 - A small threaded connector suitable for signals up to several GHz
 - A type of push-on connector intended for high-voltage applications
- Which of these emission modes is best for auroral propagation?
 - CW
 - SSB
 - RTTY
 - FM

Upcoming Events

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@arrl.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.

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

JUNE

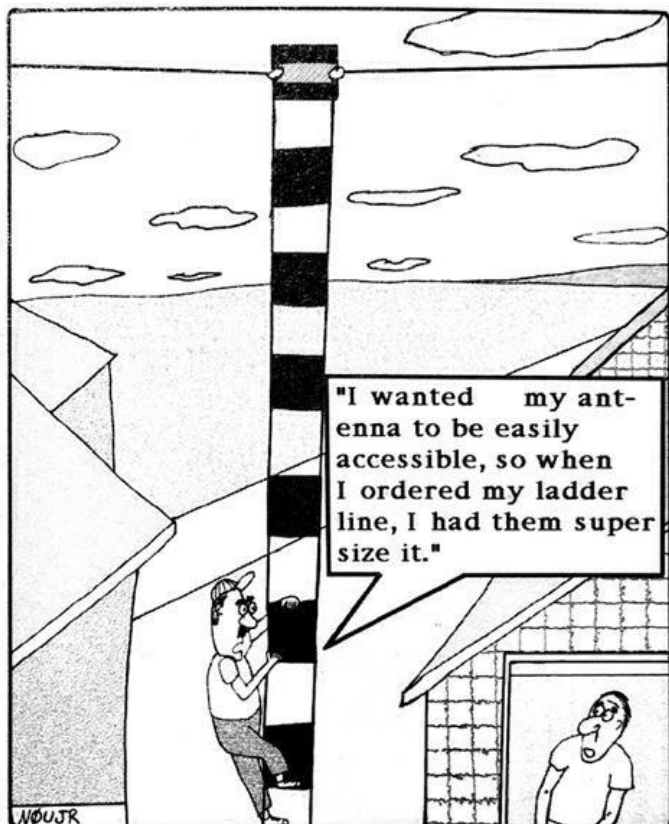
12-14 June VHF For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada. All legal modes are permitted. Details at <http://www.arrl.org/june-vhf>.

19 Kids Day Twice a year, ARRL offers an event designed to promote Amateur Radio to our youth. Share the excitement with your kids or grandkids, a Scout troop, a church or the general public! Kids Day is designed to give on-the-air experience to young people and hopefully foster interest in getting a license of their own. It is also intended to give older hams a chance to share their station and love for Amateur Radio with their children. Details at <http://www.arrl.org/kids-day>

26-27 Field Day Objective: To contact as many stations as possible on the 160, 80, 40, 20, 15 and 10 Meter HF bands, as well as all bands 50 MHz and above, and to learn to operate in abnormal situations in less than optimal conditions. Details at <http://www.arrl.org/field-day>.

JULY

10-11 IARU HF World Championship. Objective: to contact as many other amateurs, especially IARU member society HQ stations, around the world as possible using the 160, 80, 40, 20, 15 and 10 meter bands. Begins 1200 UTC Saturday and ends 1159 UTC Sunday.



"N0UJR and His Friends" Cartoons used by Permission from Greg Trook, N0UJR

Quiz Answers
 1. D (T7B03)
 2. C (G6B11)
 3. A (E3A13)



Hella Hams Amateur Radio Unit Tail-Gate Hamfest

May 29, 2021
6:00 am – 2:00 pm

2121 Rowlett Road, Garland, Texas 75043

Directions: I-30 to Bobtown Rd exit north to Rowlett rd
Left on Rowlett rd, turn right into Hella Temple Parking lot

**Lots of Fun
FREE Parking!!**

Space Donation - \$25.00 **
(parking space)

**Outdoor
TAILGATE SALES**

Talk-in Frequency: TBA

For more information, contact:
Bill AC5BC Caldwell
214.500.3472
ac5bc2@verizon.net

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 MAJOR AMATEUR RADIO CONTESTS



2021

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

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2 ARRL RTTY Roundup	3 NA Sprint CW	7 ARRL DX SSB	10 SP Polish DX	15 7QP/IN/DE New England QSO Parties	25 SEANET Contest	30 Marconi Memorial HF	4 NAQP CW	8 CWops CW Open	12 California QSO Party	18 ARRL SS CW	25 ARRL 160
9 NAQP CW	10 WPX RTTY	14 NA Sprint RTTY	17 JIDX CW	22 CQ-M DX	28 ARRL June VHF	31 IARU HF	5 WAE CW	11 WAE SSB	15 Oceania CW	22 WAE RTTY	29 ARRL 10
16 NAQP SSB	20 ARRL DX CW	27 Russian DX	30 CQMM DX	4 King of Spain	10 All Asian CW	17 CQ VHF	23 NAQP SSB	27 WA/NJ/NH QSO Parties	31 Worked All Germany	7 ARRL SS SSB	14 RAC Winter
16 ARRL January VHF	18 CQ 160 SSB	26 WPX SSB	28 Florida QSO Party	31 Contest University Dayton Hamvention	5 ARRL Field Day	12 RSGB IOTA	19 WW Digi	26 CQWW RTTY	31 CQWW SSB	7 CQWW CW	14 HAPPY HOLIDAYS
29 CQ 160 CW				29 WPX CW							

A contribution from EA3O.



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 25 May 2021 **7:00 PM**
NOTE THE TIME CHANGE
THE May 2021 MEETING WILL BE CONDUCTED BY VIDEO CONFERENCE!

NEXT SIGNALS INPUTS DEADLINE:
→→→ 11 June 2021 ←←←