

CARC Membership Meeting

Tuesday 23 May 2023 5:30 PM

The Meeting will be at
Woodcreek Church Richardson TX

**"How to participate in Field Day
2023"**

by Frank Krizan KR1ZAN

The May Meeting is at a New Location

The May 23rd meeting of the Collins Amateur Radio Club will be held at our new meeting location: Woodcreek Church, 3400 E. Renner Rd., Richardson, TX 75082. The meeting this month will begin at our traditional time of 5:30 pm.

The Woodcreek Church is located a short distance east of the Collins Aerospace facilities on Renner Road. A map and link to additional driving and parking info is available on our web site at n5cxx.us. Also, a special mailer is being sent to all Club members prior to the May meeting.



This photo shows the marker at the church entrance off Renner Rd. Driving east, the driveway is just before the sign. Driving west; turn in just past the sign.

There is plenty of parking to the west of the church, including handicapped parking. Park in any marked parking spaces and enter through the Main Entrance (it's got a big sign above the doors) and follow signage inside the hallways directing you to the meeting room we're using on any particular night.



The CARC business meeting begins at 5:30 pm and will be followed by a program on "How to participate in Field Day 2023" presented by Frank Krizan, KR1ZAN. CARC is not hosting a Field Day operation this year, so if you plan to operate from home, Frank will provide information on the classification to use, where to find the rules, some new rules updates for 2023 and how to report your results. He will also have information on what and where several local clubs are hosting Field Day, in case you'd like to drop in and operate.

Annual Armed Forces Day Crossband Test Report

N5CXX worked the Annual Armed Forces Day Crossband Test on May 13, 2023 at 1907 UTC. N5CXX worked NSS (US Naval Academy in Annapolis, MD) on CW. NSS was on 14,487.5 kHz and N5CXX was on 14.033.

(Contributed by Dennis Cobb WA8ZBT)

CARC OFFICERS	
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MEMBERSHIP Bill Fell KK5PB 972-424-0496 kk5pb@arrl.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 **Woodcreek Church, 3400 E. Renner Rd Richardson TX 75082**. 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 weekends.**

Garland testing is held on the fourth Thursday of each month, excluding November, and begins at 1930 sharp. Location is Freeman Heights Baptist. Church, 1120 N Garland Ave, Garland (between W Walnut and Buckingham Rd). Enter via the north driveway. A HUGE parking lot is located behind the church. Both the parking lot and the Fellowship 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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— . . . — . . . **de The Prez**

Our May meeting is coming up on the 23rd, and it will feature Frank Krizan, KR1ZAN, who will give us a presentation on Field Day, the rules, and some thoughts on how to operate during this annual event. While the club has made the decision to not participate in Field Day as a club event, individual members may use their home stations or perhaps join other club's Field Day events. This presentation will provide some valuable information that will help you enjoy the day.

A very important decision is before the membership concerning the future of the HF radio station and the club room located in Building 461. A position statement was prepared and approved by the BOD and the officers for presentation to the membership for consideration. That position was distributed earlier via HCOL, providing the opportunity to vote on line, and that position is repeated in this newsletter issue. If you have not already submitted your vote online, another opportunity to vote will be offered at the May meeting. Your vote is very important

THE CARC HAS MOVED: The 23rd May meeting marks the first time we will meet at the new location; The new location is the Woodcreek Church located at 3400 E Renner Road.

This location offers a much larger meeting area, installed AV capability and extra rooms where training and VE exams can be conducted. Additional information concerning location, parking etc., has been distributed by HCOL and the club's web site. The meeting will start at 5:30 pm.

The club's BIG PROJECT initiative continues to take shape. Frank Krizan, KR1ZAN, has been appointed as the chairman of the Special Interest Group (SIG) that will begin to plan how the BIG PROJECT principles will be achieved and implemented. The first action that Frank will be working on is to assemble a committee made up of members of the club. If Frank asks you to be a part of this SIG, consider joining. Your involvement will be important to making our BIG PROJECT a reality.

A position statement will be prepared relating to the future of our 70 cm repeater. Once it is developed, reviewed and approved it will be submitted to the membership for consideration. Kerry Weeks, K5WKS and Bill Swan, K5MWC have agreed to prepare this position for presentation to the BOD at the June Board meeting.

The development of a unique CARC Challenge Coin that could be given or sold to our members and also used as an honorarium for our program speakers was discussed by the board. Jim Brown, AF5MA, and Frank Krizan, KR1ZAN, will work on a design to be presented to the Board at the June meeting.

You will see this in every President's article that I write as I sincerely want to serve you, our members.

As I close this newsletter entry, I commit to you that I will work to continue the work of the CARC, a work focused on providing fellowship and value. Let me know if you have suggestions or comments on how we can work together to make the CARC shine.

73, Bill, K5MWC

Secretary's Report

25 April 2023

President Bill Swan K5MWC called the meeting to order at 1730. 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:

- Bill Swan, K5MWC (President)
- Bill Fell KK5PB (Vice President/Membership)
- Frank Krizan KR1ZAN (Activities/Training)
- Jim Stafford W5DTG (Secretary)
- Kerry Weeks K5WKS (Treasurer)
- Jim Skinner WB0UNI (Signals Editor)

- Gene Duprey K1GD
- David Cheek WA5MWD
- John McFadden K5TIP
- Bill Owens AD5EW
- Clarence Sebesta K5YO
- Milton Withers AD5XD
- Mark Dempsy N5MD
- David Russell W2DMR

The following logged in via Zoom:

- Bob Chandler KI5KRN
- John Galvin N5TIM

1. Welcome and Pledge of Allegiance
2. Member and Visitor Recognition
3. Officer Reports – Included in the April Newsletter. Frank Krizan, KR1ZAN, reported on the four-question survey regarding monthly meeting time change. Monthly Meeting starting time to remain at 5:30pm. Kerry Weeks, K5WKS, provided verbal report on bank account.
4. CARC Field Day 2023 – Review of Officer Prepared Position Paper – Request for membership approval:

The CARC 2023 ARRL Field Day participation was discussed by the officers with the intent of expediting and presenting a draft proposal for review, discussion, and consideration by the membership at the April meeting. Based on a review of the time remaining to complete planning for Field Day, the availability of people to assist in operating a Field Day station based on recent experience, and the lack of having a radio room in the company facility, the officers recommend that CARC not participate as a club in the 2023 Field Day. The members of CARC are encouraged to participate either as an individual home station or perhaps as a participant with another club in the area. To assist member participation, the May meeting will include a presentation and packet of information to aid members understanding of the rules and available resources.

Additionally, the CARC is encouraged to plan and implement a POTA event at a later date. POTA has grown in popularity and provides the ability to address many of the objectives of Field Day as well as providing greater flexibility in scheduling and implementation.

The officers respectfully submitted this recommendation to the membership for approval.

Gene Duprey made the motion, Frank Krizan, KR1ZAN seconded, approval was unanimous.

5. Big Project – Overview and planned action approved in Principle by Officers Presented by Frank Krizan, KR1ZAN

The Big Project - "STEM for Youth of all Ages" – Frank, KR1ZAN proposed a “concept” and “in-principle” for CARC to attract people from all age groups into amateur radio.

Year 1 - Detached Radio Room, expand membership to include area Raytheon employees, contractors and retirees, One-Day Tech licensing classes.

Year 2 - Two-Day General licensing classes, Tuesday night "in the shack", Radio in the Park, Radio Merit Badge (BSA) and Radio Patch (GSUSA) training for area units, JOTA, TDOTA.

Year 3 - Extra licensing class, develop STEM support activities for scouts and schools, implement EMCOM support function for area cities and counties; develop “Train the Trainer” for Radio MB and Radio Patch.

Action: A special interest group should be created to pursue this in-principle program. The special interest group members will consist of club members who are interested in this program and will be led by a CARC Board member.

Exciting opportunity to meet the educational brand of our Club. Those brands are:

Service, Education, Fellowship

6. Move to Woodcreek Church 3400 W Renner Rd. Richardson, TX – Resolutions included in April Signals and actions to provide important information to the membership

Two supporting resolutions were passed to codify this upcoming move of our club meeting location – Full Text of those resolutions is included in the newsletter. Information regarding the move, such as location, parking issues, access, etc., will be sent out to the full membership. The May meeting will be held at the new location

Ask the membership to help spread the word to those that are not at this meeting or who may not be aware of the plan to move our meeting location.

7. HF radio station relocation and 70 cm repeater status at the Collins Aerospace site: Will address issue in May.

8. May Program – Field Day Information and Big Project Discussion

9. Other - John McFadden provided information on the Richardson Remote Control Club activity at Bratonia Park on Lake Lavon on April 29. Jim Stafford to distribute Flyer to club members via HCOL.

10. Adjourned Business Meeting at 1827 hours.

Tonight’s Program, HF Radio Go Kit, Presented by Bill Fell KK5PB. Bill demonstrated the HF Go Kit components and how the equipment was packed, configured, and deployed. All based around the ICOM IC-7300 HF Transceiver. Program ended at 1853 hours.

Results of Meeting Start Time Survey

In April, a survey was conducted among the CARC membership to determine member’s preferences as to the best time for our monthly meetings. Members were asked to indicate their first choice for meeting times, as well as a second choice.

21 members out of 49 responded, which is 43%. However, if we further assume that our membership is limited to those who have attended at least one meeting in the past year or responded to the survey, the ratio becomes 21 out of 28 or 75%. This should represent a major portion of our membership.

Unfortunately, in evaluating the results, a virtual tie exists between keeping the current start time of 5:30 pm and changing the start time to 7:00 pm. The details of the survey results are included below, and here is a tabulation of the First Choice and Second Choice times:

START TIME - PM	QUES #1	QUES #2	QUES #2 + (QUES #1 X WT)			
			Wt 1	WT 2	Wt 3	WT 4
5:30	8	4	12	20	28	36
6:00	2	5	7	9	11	13
6:30	2	2	4	6	8	10
7:00	6	8	14	20	26	32
7:30	3	2	5	8	11	14
8:00	0	0	0	0	0	0

The four columns to the right represent an application of weighting favoring the respondents first choice with multipliers of 1, 2, 3 and 4. The tabulations shown in those columns are the sum of the total score for Question 2 (Second Choice) and Question 1 (First Choice) multiplied by the weighting factor.

Question No. 3 may have been misunderstood, but is roughly split 50/50. The final Question (#4), relating to the day of the week, soundly prefers continuing meeting on Tuesday evenings.

The CARC Board of Directors has concluded that the results are not conclusive, but have observed from both the First Choice and Second Choice scores that an interest in moving the meeting start time to a later time is desirable. As a result of extensive discussion, a motion is to be presented to the membership at the May 2023 meeting proposing a change of meeting start time to 7 pm and offering VE Testing Sessions beginning at 5:30 pm.

What follows is the tabulation of the survey results with a summary of the membership categories who responded:

HamClubOnline - Election Results (CARC)

Collins Amateur Radio Club

CARC Survey on Changing Meeting Time APR 2023 RESULTS (Voting from 2023-04-14 12:46 CDT thru 2023-04-24 00:00 CDT):

#1: First Choice Meeting Start Time

The CARC Board of Directors is considering changing the start time of our Monthly General Membership Meetings. Please respond with your first choice and second choice for Meeting Start Times in the questions below. Your responses are completely anonymous. We will adjust the time for the VE Test Session accordingly.

Which of the following start times would you prefer?

- 1. 5:30 pm (Same as now) (8 votes, 38.1%)
- 2. 6:00 pm (2 votes, 9.5%)
- 3. 6:30 pm (2 votes, 9.5%)
- 4. 7:00 pm (6 votes, 28.6%)
- 5. 7:30 pm (3 votes, 14.3%)
- 6. 8:00 pm (0 votes, 0.0%)

#2: Your second choice for meeting start time

Which of the following start times would be your second preference?

- 1. 5:30 pm (Same as now) (4 votes, 19.0%)
- 2. 6:00 pm (5 votes, 23.8%)
- 3. 6:30 pm (2 votes, 9.5%)
- 4. 7:00 pm (8 votes, 38.1%)
- 5. 7:30 pm (2 votes, 9.5%)
- 6. 8:00 pm (0 votes, 0.0%)
- 7. None of the above (0 votes, 0.0%)

#3: Regularly attend meetings?

Do you regularly attend Collins ARC Monthly Membership Meetings?

- 1. YES (11 votes, 52.4%)
- 2. NO (10 votes, 47.6%)

#4: Change meeting night?

We currently meet on Tuesday evenings. Which of the following days of the week (evenings) would be acceptable to you to attend Club meetings? You may pick up to five choices. (We currently have a good turnout on Tuesday evenings and do not want to change the meeting day unless a great majority requests such.)

- 1. Monday (2 votes, 9.5%)
- 2. Tuesday (we currently meet on the 4th Tuesday) (17 votes, 81.0%)

- 3. Wednesday (0 votes, 0.0%)
- 4. Thursday (2 votes, 9.5%)
- 5. Friday (0 votes, 0.0%)
- 6. None of these. (0 votes, 0.0%)

Election Statistics:

21 ballots cast, 49 ballots sent = 43% voted

Of the respondents, here's the Rank and Type breakdown:

Associate: 4

Full: 17

Life: 4 (included in Full count above)

Employee: 2

Retiree: 15

General Public: 4

Your Vote Is Important

The following board approved position has been presented to the membership for a Yes or No vote via a HCOL message. A vote for those who have not already voted will also be taken by paper ballot at the 23 May meeting. Please vote on this important issue. Thank you.

The consensus position is to develop a forward-looking plan for the CARC HF radio station that:

- Results in the orderly removal and storage of the club equipment, furniture, and any other ancillary assets from the in-plant location
- Provides the flexibility for deploying the HF radio capability under the full control of the CARC
- Provides the ability to increase participation and use of the equipment including a focus on education of the radio art and support to emergency communication
- Allows the sale or disposal of equipment no longer needed

This position, if approved by the membership, is effective immediately, and the company will be advised that we will not be restoring the Club radio station in the company facility.

CARC May Board Meeting Minutes

Date: 09 May 2023

The CARC Board Meeting was conducted by Zoom.

Bill Swan, K5MWC, called the meeting of the Collins Amateur Radio Club Board of Directors Meeting to order at 1905 CDT.

Board Members Present:

President: Bill Swan, K5MWC
 Vice-President/ Membership Director: Bill Fell, KK5PB
 Secretary: Jim Stafford, W5DTG
 Treasurer Kerry Weeks, K5WKS
 Immediate Past President / Director at Large: Frank Krizan, KR1ZAN

Visitors:

Jim Brown, AF5MA

1. Motion to approve the Consent Agenda
 - Item A: Minutes of the 11 April 2023 and 18 April 2023 Special Board Meeting, previously distributed.
 - Item B: Minutes of the 25 April 2023 Club Meeting, previously distributed.
 - (Motion by Kerry Weeks, K5WKS. Seconded by Frank Krizan, KR1ZAN. Approved unanimously).
2. HF Radio Station – Presentation to be made at May Membership meeting:
 - A. Board to review and consider for approval the final position statement as recorded herein.
 - B. The consensus position is to develop a forward-looking plan for the CARC HF radio station that:
 - Results in the orderly removal and storage of the club equipment, furniture, and any other ancillary assets from the in-plant location
 - Provides the flexibility for deploying the HF radio capability under the full control of the CARC
 - Provides the ability to increase participation and use of the equipment including a focus on education of the radio art and support to emergency communication
 - Allows the sale or disposal of equipment no longer needed

This position, if approved by the membership, is effective immediately, and the company will be advised that we will not be restoring the radio club station in the company facility.

Motion to move forward made by Kerry Weeks, K5WKS. Seconded by Bill Fell, KK5PB. Approved unanimously.
3. Review of information package to aid in members moving to the new meeting location – Frank Krizan - Notices

to be distributed by HCOL, Newsletter, Webpage. Frank to post signs at meeting facility.

4. Proposed changes to CARC membership Rank and Type – Frank Krizan

Per the CARC Constitution, Section 3 - Classes of Membership, there shall be three classes of members:

1. Full Members – Persons interested in amateur radio, both licensed and unlicensed, who are full-time, part-time or contract employees of the Company or retirees of the Company or any of its predecessor or successor organizations qualify as full members with voting rights.
2. Associate Members – Associate membership is available to dependents of full members as above and to others not affiliated with or retired from the Company as defined in (1) above. Such members shall have an interest in amateur radio. Associate members are not granted voting rights.
3. Honorary Lifetime Members – Honorary lifetime membership may be bestowed upon anyone who has been of great benefit to the CARC. This membership must be approved by a quorum. Lifetime members are exempt from dues assessments for life but have the same privileges as Full Members. The spouse of an Honorary Lifetime Member shall be automatically granted lifetime status either as a Full Member or an Associate as defined in (1) and (2) above.

The Board agreed to change the HCOL Rank Status by deleting “Full-Life Member” and change Member Type of “Spouse-Life” to “Life-Spouse”.

CARC has defined a series of Ranks and Types in Ham Club Online for managing membership in accordance with the Club Constitution. In order to adapt to changes in HCOL and to be consistent with the Constitution, the Board agreed by consensus to change the HCOL Rank Status by deleting “Full-Life Member” and change Member Type of “Spouse-Life” to Life-Spouse.” No changes are being made to the Constitution.

5. Repeater status
 - Recommended action – Prepare a position paper with the same procedural intent as the HF Station position paper to present at the June board meeting. Bill Swan ,K5MWC and Kerry Weeks, K5WKS will work together on this action item.
6. The Big Project – Special Interest Group (SIG) initial actions:
 - A. Name SIG Chairman – Frank Krizan, KR1ZAN appointed Chairman.

- B. Plan to recruit members will be initiated by Frank Krizan, KR1ZAN.

7. Discussion of Meeting Start Time Survey and consideration of the following:

MOTION: In consideration of the recent membership survey regarding the meeting start time, the Board of Directors of the Collins Amateur Radio Club recommends a Motion be presented to the Club membership to change the monthly meeting start time to 7 pm and that the Club further provide for open discussion and socializing, as well as VE testing beginning at 5:30 pm. This change shall be effective with the June 27, 2023, meeting.

Frank Krizan, KR1ZAN presented the results of the survey and discussed what other area clubs do regarding meeting times. The Board discussed pros and cons of making a change. There is no conflict with the church regarding such a change. The Board recommended that attendance at meetings and opinions of members be re-evaluated at the end of this year if such a change is made.

Motion to move forward made by Kerry Weeks, K5WKS. Seconded by Bill Fell, KK5PB. Approved unanimously.

8. Other

Recent email from Frank with the suggestion for our Club to create a Challenge Coin, which can be given or sold to our members and can be used as an honorarium for our program speakers. The Garland ARC has created a challenge coin and is purchasing for the same purposes discussed for CARC. Each coin would cost approximately \$5.

Frank Krizan, KR1ZAN and Jim Brown, AF5MA agreed to work on a design and submit to Board at the next CARC Board Meeting.

9. Program Reminder: 23 May – 2023 Field Day Review of Rules and Operation considerations Frank, KR1ZAN will present an overview of Field Day 2023 rules

10. Adjournment: Bill Swan adjourned meeting at 2022.

May CARC VE Test Session Report

ARRL VE Test Sessions are held immediately following the monthly CARC Meetings, and beginning this month (May 2023), test sessions will be held at our new meeting location, Woodcreek Church, 3400 E. Renner Rd, Richardson, TX 75082.

All levels of exams are being offered;
BUT YOU MUST REGISTER IN



ADVANCE IN ORDER TO BE ASSURED A SEAT. We also need to know who's coming in case we have to cancel due to Covid-19 declarations or weather.

Contact Kerry Weeks, K5WKS, at 214-478-3230 or via email: weeks.kerry@gmail.com to register. Kerry will discuss the exam fees, what you need to do prior to the exam and what to bring to the test session. More info is available at: <http://www.arrl.org/what-to-bring-to-an-exam-session>

We had no candidates for testing in April.

If you are an ARRL VE and would like to volunteer for future test sessions, contact Kerry at the email/phone shown above. If you are accredited through another VEC, Kerry can give you info on how to get accredited with the ARRL VEC.

ARRL Helps Radio Amateurs Comply with New RF Exposure Evaluation Rules

ARRL The National Association for Amateur Radio® provides free, comprehensive resources to help radio amateurs ensure they are compliant with the new RF exposure rules.

On May 3, 2021, new FCC rules governing RF exposure evaluations went into effect. While the exposure limits were not changed, the requirement to conduct an evaluation was made more broadly applicable to amateur licensees. A 2-year transition period was implemented to allow existing amateur licensees to conduct evaluations and make any changes necessary to ensure that their station complies with the exposure rules. On May 3, 2023, the transition period ended. All licensees must now conduct evaluations of their current station and reassess compliance when making changes to their stations that would affect exposure going forward.

As detailed in a [May 2023 QST article by Greg Lapin, N9GL](#) ([www.arrl.org/files/file/Lab/RF Exposure/2023-05 Lapin FCC Exposure Rules.pdf](http://www.arrl.org/files/file/Lab/RF%20Exposure/2023-05%20Lapin%20FCC%20Exposure%20Rules.pdf)), the rules now require amateur radio operators to perform station evaluations. The Amateur Radio Service is no longer categorically excluded from certain aspects of the RF exposure rules, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level.

The ARRL website features an [RF Exposure landing page](#) (www.arrl.org/rf-exposure) with resources, such as an RF exposure calculator, the entire RF Safety section from the 100th Edition of the ARRL The Handbook, a video explaining the topic, FAQs about the subject, and more. These tools and resources are available to the public without an ARRL membership or website account.

For further assistance with technical matters, ARRL members enjoy the additional resources of the [ARRL Technical Information Service](#) (www.arrl.org/technical-information-service), and access to the experts within the ARRL Lab.

This information courtesy ARRL News.

ARLX001 National Hurricane Center Amateur Radio Station Annual Test

Special Bulletin 1 ARLX001

From ARRL Headquarters

Newington CT May 16, 2023

To all radio amateurs

SB SPCL ARL ARLX001

ARLX001 National Hurricane Center Amateur Radio Station Annual Test

The amateur radio station of the National Hurricane Center, WX4NHC (NHC), located on the campus of Florida International University in Miami, will conduct their on-the-air Annual Communications Test on Saturday, May 27, 2023, from 9 AM - 5 PM EDT (1300z-2100z).

This is the NHC's 43rd year of public service. NHC Amateur Radio Assistant Coordinator Julio Ripoll, WD4R/WX4NHC, reports that the purpose of this event is to test amateur radio equipment and antennas at the NHC as well as operators' home equipment, antennas, and computers prior to this year's hurricane season. The 2023 hurricane season begins June 1 and runs through November 30.

This event is good practice for amateur radio operators worldwide to practice amateur radio communications during times of severe weather.

Ripoll said WX4NHC will be on HF, VHF, UHF, 2- and 30-meter APRS, and Winlink. To contact the NHC's amateur radio station send an email to, wx4nhc@winlink.org. The subject of the email must contain //WL2K.

The Hurricane Watch Net will try to stay on 14.325 MHz for most of the time, as well as 7.268 MHz depending on propagation. They may also change frequencies due to potential QRM.

You may be able to find WX4NHC on HF by using one of the DX spotting networks, such as the DX Summit website at, <http://www.dxsummit.fi>.

The VoIP Hurricane Net will also be active from 4 PM - 5 PM EDT (2000-2100z), on IRLP node 9219/EchoLink WX-TALK Conference node 7203. Visit their website at <https://voipwx.net> for more information.

WX4NHC will also make a few contacts on local VHF and UHF repeaters, as well as the Florida Statewide Amateur Radio Network (SARnet) system to test station equipment.

QSL cards are available via WD4R with a self-addressed stamped envelope. More information about the NHC is available at their website <https://w4ehw.fiu.edu/>. NNNN

Vacuum Tube-Making on the Comeback in the U.S.

by Colin Butler

American-made vacuum tubes are poised to make a comeback onto the market this summer.

As the rising cost of vacuum tubes manufactured mostly in China and Russia increasingly cramps audiophiles, musicians and others seeking a particular audio quality, one factory in the US southeast is preparing to bring tube-manufacturing back home.

With assembly line workers getting down to business inside his Western Electric plant in Rossville, Georgia, entrepreneur Charles Whitener expects to restore American-made vacuum tubes to the worldwide market in just a few months. According to reports on such websites as wired.com and audioexpress.com, Whitener's goal is to resume production of the single-ended triode tube known as the 300B, a design that dates back to 1938. His plant, known as the Rossville Works, is home to the Western Electric vacuum tube brand which Whitener bought in 1995 from AT&T.



This summer he expects to introduce a reimagined version of the audio vacuum tube known as the 12AX7, a dual triode tube commonly found in amplifiers for guitars. According to Wired.com, it will be the first US-made tube in decades and it is expected to be followed by numerous other US-made models.

This article courtesy ICQ Amateur/Ham Radio Podcast
https://www.youtube.com/channel/UC-qrD_IPIZBLNPJ049IEDKTQ

ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a Notice of Proposed Rulemaking (NPRM) on April 21, 2023, that deals with the band. In a prior petition, ARRL, The National Association for Amateur Radio, urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.



Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).

The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

In 2017, ARRL petitioned the FCC to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit.

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date."

In the NPRM, the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested." The NPRM can be found online at, <https://www.fcc.gov/>.

The FCC proposed to allocate the 15 kHz bandwidth but stopped short of making a proposal on whether the existing channels should remain allocated to amateur radio and what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks [Ed: should have ben mid May 2023].

News source: ARRL Bulletin 6, April 28, 2023

CARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson emergency siren testing. The May 2023 test was conducted on 3 May. All sirens were reported fully operational except one. 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 following CARC members participated in the May 3rd City of Garland Siren Test: Frank Krizan KR1ZAN and Jim Stafford W5DTG. The Garland test observations report on a Net conducted on the GARC 146.66 repeater..

Crime Watch Patrol Jim Skinner WB0UNI participates in Richardson Duck Creek Crime Watch Patrol (CWP). CWP members, after successful completion of Richardson Police Department training, patrol their neighborhoods and report all suspicious activities to the police department.

Congresswoman Lesko Reintroduces Bill to Replace Symbol Rate Limit with Bandwidth Limit

Congresswoman Debbie Lesko (AZ-08) introduced The Amateur Radio Communications Improvement Act (H.R. 3241) on May 11, 2023, to require that the Federal Communications Commission (FCC) eliminate the obsolete HF digital symbol rate limit with a 2.8 kHz bandwidth limit.

After being petitioned by ARRL The National Association for Amateur Radio® in 2013 (RM-11708) for the same relief, in 2016 the Commission issued a Notice of Proposed Rulemaking (WT Docket No. 16-239) in which it agreed that the HF symbol rate limit was outmoded, served no purpose, and hampered experimentation. But the Commission questioned whether any bandwidth limit was needed in its place. Most amateurs, including the ARRL, objected to there being no signal bandwidth limit in the crowded HF bands given the possibility that unreasonably wide bandwidth digital protocols could be developed. Since 2016 there has been no further FCC action.

Congresswoman Lesko introduced a similar bill (H.R. 9664) in the 117th Congress in 2022. Read ARRL's coverage of that bill at this link (<http://www.arrl.org/news/rep-lesko-introduces-bill-to-replace-symbol-rate-limit-with-bandwidth-limit>).

Lesko has long demonstrated an interest in supporting Amateur Radio. Earlier in 2023, she spoke at a Hamfest in Phoenix, Arizona where she met with and praised the work of ARRL Volunteers in the state.

"Increased amounts of data can be put on the spectrum due to advances in modern technology, so there is little need for

the FCC to place limits on symbol rates,” said Congresswoman Lesko. “That is why I am proud to reintroduce this important legislation to update the FCC’s rules and increase the speed of transmission so that amateur radio operators can more efficiently and effectively transmit messages during times of crisis, such as natural disasters.”

ARRL President Rick Roderick, K5UR, hailed reintroduction of the bill, stating that “the biggest effects of the FCC’s delay in removing this outdated restriction have been to require totally inefficient spectrum use on the already-crowded amateur HF bands and to remove incentives for American amateurs to innovate with new and better digital protocols. It also has necessitated multiple requests for waivers by the ARRL to facilitate communications during disasters, especially during hurricane season when corresponding amateur stations in the Caribbean, some of which have received assistance from the International Telecommunications Union (ITU) for disaster communications, use faster protocols than currently allowed in the U.S. I hope that the Commission will act to remove this harmful limitation without waiting for the bill to be passed.”

ARRL Legislative Advocacy Committee Chairman John Robert Stratton, N5AUS, added that “the symbol rate limit hampers experimentation and development of more efficient HF data protocols by U.S. amateurs. For all practical purposes the field has been ceded to amateurs outside the U.S., where there is no comparable limit. Removing the restriction not only will allow U.S. amateurs to use the most efficient data protocol suitable for their purpose, but it also will promote and incentivize U.S. amateurs to experiment with and develop even more efficient protocols.”

This article courtesy ARRL Web News 11 May 2023

ARRL extends its deepest appreciation to Congresswoman Debbie Lesko for her continued leadership on behalf of Amateur Radio licensees, and her supportive actions on communications issues that impact her constituents and the nation,” said The American Radio Relay League’s (ARRL) Legislative Committee. “The introduction of the Amateur Radio Communications Improvement Act by Congresswoman Lesko to remove the long-outdated symbol rate limit restricting the speed of amateur digital transmissions will substantially increase the ability of amateur radio to provide more timely and efficient message handling during natural disasters such as hurricanes, tornadoes, floods, and forest fires. Congresswoman Lesko’s foresight in introducing this legislation will serve as a model for the elimination of regulatory barriers to more intensive spectrum sharing.”

A link to the full text of the bill will be provided on the ARRL website as soon as it is available, which is usually several days after introduction. The bill was referred to the House Committee on Energy and Commerce for consideration.

Excerpt from Jack, W5TFB’s Book

Another excerpt coming soon.

To Be Continued

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.

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. 442.7 (+5) MHz, PL=110.9 Hz (K5QHD repeater), 5:30-6:00pm (no net 4 th Tuesday.)
1st Wednesday	Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
2nd Wednesday	ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm

MAY

No ARRL Contests - don't forget our year-long Volunteers On The Air Event:
vota.arrl.org

JUNE

3-4	International Digital Contest —Amateurs worldwide contact and exchange QSO information with other amateurs using any digital mode (excluding RTTY) that supports the 4-digit Grid Square exchange — attended operation only -- on the 160, 80, 40, 20, 15, 10 and 6 meter bands (Technicians are limited per FCC Rules to the 10 and 6 meter bands). Stations may only be worked once per band. Each claimed contact must include contemporaneous direct initiation by the operator on both sides of the contact. Begins 1800 UTC Saturday, ends 2359 UTC Sunday, Details at http://www.arrl.org/arrl-digital-contest .
10-12	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 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 http://www.arrl.org/june-vhf
17	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

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—  —

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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

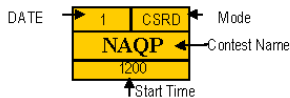
**Join Us On Tuesdays
 for the Collins ARC
 Drive Home Net
 5:30pm 442.7 MHz
 +5MHz, PL=110.9Hz
 (No Nets on Meeting Nights)**

Logs now available on n5cxx.us website

CDXA Periodic Table of Contests - 2023

January	February	March	April	May	June	July	August	September	October	November	December		
7 R RTTY Roundup 1800	4 CSRD VT QSO Party 0000	4 S ARRL DX - SSB 0000	1 CSRD LA QSO Party 1400	6 CSRD 7th Area QSO Party 1300	3 CSRD KY QSO Party 1300	1 CS RAC Canada Day 0000	5 C NAQP - CW 1800	2 C CWops Open 0000	7 CS CA QSO Party 1800	4 C Sweepstakes CW 2100	2 CS ARRL - 160M 2200		
14 C NAQP - CW 1800	4 CSRD MN QSO Party 1400	11 CSRD OK QSO Party 1800	TBD CSRD MS QSO Party TBD	6 CS IN QSO Party 1800	3 D ARRL - INT. Digi 1800	IARU 1200	12 C WAE DX - CW 0000	2 CSRD CO QSO Party 1300	14 R Makrothen - RTTY 0000	11 R WAE DX - RTTY 0000	3 D FT Roundup 1800		
21 S NAQP - SSB 1800	4 CSRD BC QSO Party 1800	11 C Stew Perry TBC 1500	1 CSRD MO QSO Party 1400	6 CSRD DE QSO Party 1700	10 CSRD ARRL - VHF 1800	16 CSRD CQWW - VHF 1800	12 CSRD MDC QSO Party 1400	3 CSRD TN QSO Party 1800	14 CSRD NV QSO Party 0300	18 S Sweepstakes SSB 2100	10 CS ARRL - 10M 0000		
21 CSRD ARRL - VHF 1900	5 C NA Sprint - CW 0	11 CSRD ID QSO Party 1900	4 S NA Sprint - SSB 0000	6 CSRD New England QSO Party 2000	17 C Stew Perry TBC 1500	15 R NAQP - RTTY 1800	19 S NAQP - SSB 1800	9 S WAE DX - SSB 0000	14 CSRD AZ QSO Party 1500	25 C CQWW - CW 0000	17 CS RAC Winter 0000		
27 C CQ - 160M CW 2200	11 R CQWW WPX - RTTY 0000	12 R NA Sprint - RTTY 0	8 CSRD NM QSO Party 1400	20 CSRD AR QSO Party 1400	17 CSRD WV QSO Party 1600	29 CS RSGB IOTA 1200	26 CSRD HI QSO Party 0400	9 CSRD ARRL - VHF 1800	14 CSRD PA QSO Party 1800	All K1USN, ICWC & CWA Stew Perry TBC 1900			
28 R BARTG RTTY 1200	18 C ARRL DX - CW 0000	12 CSRD WI QSO Party 1800	8 CS GA QSO Party 0000	27 C CQWW WPX - CW 0000	All K1USN, ICWC & CWA		26 D WW Digi DX 1200	TBD CP AL QSO Party 1800	14 CSRD SD QSO Party 1800	All K1USN, ICWC & CWA			
All K1USN, ICWC & CWA 2200		24 S CQ - 160M SSB 0200	TBD CSRD ND QSO Party TBD	All K1USN, ICWC & CWA		26 CSRD KS QSO Party 1400		10 C NA Sprint - CW 0000	21 CSRD NY QSO Party 1400				
25 CSRD SC QSO Party 1500		25 S CQWW WPX - SSB 0000	15 R CQMM DX 0900			27 CS OH QSO Party 1600		TBD CSRD IA QSO Party 1400	21 CS Worked All Germany 1500				
25 R NAQP - RTTY 1800		All K1USN, ICWC & CWA		15 CS MI QSO Party 1600			All K1USN, ICWC & CWA		16 CSRD NH QSO Party 1600	21 C Stew Perry TBC 1500			
26 CSRD NC QSO Party 1500				15 CS ON QSO Party 1800					16 CSRD TX QSO Party 1400	22 CSRD IL QSO Party 1700			
All K1USN, ICWC & CWA				29 CS FL QSO Party 1800					16 CS NJ QSO Party 1800	28 S CQWW - SSB 0000			
										16 CSRD WA Salmon Run 1800	17 R All K1USN, ICWC & CWA		
										17 R NA Sprint - RTTY 0000			
										23 R CQWW - RTTY 0000			
										23 CS ME QSO 1200			
										C All K1USN,			

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





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Membership Meeting
 Tuesday 23 May 2023 5:30 PM
 THE MEETING WILL BE AT
Woodcreek Church Richardson TX

NEXT SIGNALS INPUTS DEADLINE:
→→→ 16 June 2023 ←←←