

CARC Membership Meeting

Tuesday 14 November 2023 5:30 PM

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

**CARC Annual Meeting: Review
of past year, approval of 2024
Budget and Election of Officers**

NOVEMBER IS CARC ANNUAL MEETING

The Annual Meeting of the Collins Amateur Radio Club of Richardson, Texas will be held on Tuesday, November 14th, beginning at 5:30 pm at Woodcreek Church, 3400 E. Renner Rd., Richardson. **PLEASE NOTE THE DATE CHANGE TO THE SECOND TUESDAY IN ORDER TO AVOID CONFLICT WITH THE THANKSGIVING HOLIDAY.**

This meeting will feature a review of the highlights and accomplishments of the Club in 2023, a review and approval of the 2024 Budget and the election of officers. The meeting will also be streamed via Zoom.

All offices of the Club are open for election this year. We hope all our members will consider the importance of leading the Club in 2024 and submit their names for nomination as President, Vice-President, Secretary or Treasurer. Nominations will be accepted from the floor; however, it's best to contact the current VP to discuss the open positions and add your name to the list of nominees.

No formal technical program is planned for this meeting.

WOCXX SPECIAL EVENTS ON PAGE 7

CARC Christmas Dinner

Join your fellow Club members, family and friends at Aboca's Italian Grill in Richardson for the CARC Annual Christmas Dinner on Tuesday, December 5th, 5:30 p.m.

Seating begins at 5:30 pm, with meal orders starting at 6 pm. Everyone will order off the regular menu and be responsible for their own check. As always, in the spirit of the season, please be charitable in your gratuity to the servers.

No formal program is planned, other than the traditional door prizes. This year we have HRO Gift Certificates of \$100, \$50, \$25 and \$25 and an Aboca's Gift Certificate of \$25. An anonymous donor has contributed some additional prizes to add to the fun.



Aboca's has a full-service bar, but also allows you to BYOB and order setups, if preferred. They're located at 100 Central Expwy, Suite 63, Richardson. More information and their menu are available at <https://www.abocas.com>

NOW THE IMPORTANT PART: RSVP to kr1zan@arri.net with the names and call signs of all persons in your party. Please include your email address and mobile number.



CARC OFFICERS			
PRESIDENT		VICE-PRESIDENT	
Bill Swan	K5MWC	Bill Fell	KK5PB
972-529-3906		972-424-0496	
president@n5cxx.us		vp@n5cxx.us	
SECRETARY		TREASURER	
Jim Stafford	W5DTG	Kerry Weeks	K5WKS
		214-478-3230	
secretary@n5cxx.us		treasurer@n5cxx.us	
ACTIVITIES CHAIRMAN		WEBSITE MANAGER	
Frank Krizan	KR1ZAN	Mike Hollingsworth	W5QH
214-563-6679		972.571.6060	
director@n5cxx.us		webmaster@n5cxx.us	
STATION TRUSTEE		NEWSLETTER EDITOR	
Bob Kirby	K3NT	Jim Skinner	WB0UNI
319.360.0500		214.535.5264	
k3nt@arrl.net		newsletter@n5cxx.us	
MEMBERSHIP		N5CXX CLUB STATION	
Bill Fell	KK5PB	Phone Number/Mail Station	
972-424-0496		Unavailable until further notice	
vp@n5cxx.us			

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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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 in advance of the test.

Dallas tests are held on the fourth Saturday of each month at 1000 hrs. 13350 Floyd Rd. (Old Credit Union) Contact Bob West, WA8YCD 972.917.6362

Irving tests are held on the third Saturday of each month at 0900. Fifth and Main St. Contact Bill Revis, KF5BL 252-8015

McKinney VE test sessions are held at the Heard Museum the first Sunday of the month. The address is 1 Nature Place, McKinney TX. The time of the testing is 1430, ending no later than 1645. **Note: no tests given on holiday weekends.**

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

*The
President's
Pen*



de The Prez

Our November meeting is coming up on the 14th. The November meeting is being held on the second Tuesday so that we do not interfere with the celebration of Thanks-giving. This is our annual meeting where we take a look at the accomplishments of the past year, present a budget for review and approval, and elect the leadership team for 2024.

The October program “nanoVNA, a Primer,” presented by Shawn Prestridge, KI5PXG was well presented and most informative. Shawn provided insight into what the device’s features are and also coupled that with a live demonstration of how to use it. My guess is that the sale of the nanoVNA probably went up among our members.

As a reminder, I wanted to repeat what I included in the October message about our Christmas dinner.

The Christmas Dinner event will be held on 5 December, and it will be a great time for fellowship and good food. As it has in the recent past, it will be held at Aboca’s Italian Grill, 100 S. Central Expwy, Suite 63 in Richardson. Frank Krizan and Kerry Weeks are working to get some great door

prizes once again from Ham Radio Outlet. I hope to see you there.

Be watching out for information about our new website which is under development. Our current website has served us well for a long time, but it is time to update it. That update will include a new website look, a focus on the members-only section, easier and more intuitive site navigation and other features that will make our website the go-to place for our members and for those interested in joining our club.

One of the three words that define what our club stands for is the word Service. While we all have a great deal of fun in being a “ham” it is also important to remember that the FCC refers to amateur radio as a service and not a hobby. I look upon Service as a reminder that we are to use our skills as communicators, the equipment that we have and the operating knowledge that we develop from such activities as contesting, field day, POTA, fox hunting, Sky Warn and satellite communication for the benefit of advancing the state of the art and for assisting the general public during times when emergency communications are needed. Service also includes encouraging the future of amateur radio through programs that are aimed at attracting the next generation. We have undertaken as a club the “Big Project” as our contribution to being a Service. As this project evolves, I encourage all of our members to be involved. Education, Fellowship and Service: The field is wide open for us to make those words turn into reality.

Looking forward to seeing each of you at our November 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 strive to continue the work of the CARC, a work focused on providing fellowship, transparency, and value. Let me know if you have suggestions or comments on how we can work together to make the CARC shine and grow.

73s,
Bill K5MWC

Vice-President’s Report

I have prepared a budget for FY2024 for the board’s consideration and ultimate adoption by the CARC membership. I will have challenge coins available for purchase at \$5 each at our next GMM. I will still be taking nominations for potential FY2024 CARC officers at the November GMM. Officer elections will be held at the November GMM.

Membership Committee – No membership committee activity this past month.

Current Active Membership = 57

Full Members = 41 (includes life and retiree members)

Associate Members = 16

Members moved to Inactive Status = 0

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

24 October 2023

President Bill Swan K5MWC called the meeting to order at 1732 CDT. The meeting was in-person at our meeting site at Woodcreek Church. 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) was absent and Frank Krizan was appointed Secretary Pro-Tem.
- Kerry Weeks K5WKS (Treasurer)
- Jim Skinner WB0UNI (Signals Editor)
- Shawn Prestridge KI5PXG (Presenter / Visitor)
- Jim Brown AF5MA
- Gene Duprey K1GD
- John McFadden K5TIP
- Dennis Cobb WA8ZBT
- Bob Coulbourne W4FTD
- Jeff Box WA5TCA
- Mark Dempsky N5MD
- Milton Withers AD5XD
- Brandon E. Bearden KG5EZZ
- Wayne Collins KI5YOQ (Visitor / Woodcreek Church coordinator)
- Joaquin Cruz KI5WZV (visitor)

The following logged in via Zoom:

- Bob Chandler KR5BC

Mike Montgomery WD5TX

Preliminaries

1. Opening Remarks and Pledge of Allegiance
 - a. Bill Swan recognized Bob Chandler for passing the Extra exam
 - b. Cameron Prince KJ5CXO was awarded the First QSO certificate by Frank Krizan. Cameron was not present.
2. Member and Visitor Introductions
3. Officer Reports - Included in the October Newsletter.
 - a. President Bill Swan indicated that officer reports were published in the October issue of SIGNALS and asked if there were any questions about the reports or additions from the officers. Bill Fell KK5PB, Vice President, mentioned that he had the challenge coins available for a donation of \$5 each. He also announced that the November meeting will include elections and asked for anyone wishing to serve as an officer to contact him. He reported that we now have 57 active members, of which 12 have memberships expiring at the end of 2023.
 - b. Kerry Weeks provided a verbal report on the Club bank account balance.
 - c. Bill Swan commented on the 2023 Expense Plan which projects through the end of the year. The 2024 plan is to be reviewed and approved at the November Annual Meeting
4. **Old Business** - None
5. **New Business** - None

Announcements

1. Frank Krizan KR1ZAN, Director, discussed the annual Christmas dinner which will take place on Tuesday, December 5th, beginning at 5:30 pm at Aboca's Italian Grill, 100 S. Central Expwy, Unit 63, Richardson. Everyone will order off the regular menu beginning around 6 pm and be responsible for their own bill. Over \$200 in door prizes will be awarded. If you plan to attend, please send an email with names and call signs (if applicable) to kr1zan@arrl.net.
2. The November Board of Directors meeting has been moved to Tuesday, October 31st, at 2000 via Zoom in order to accommodate the date change for the Annual Meeting. All members are welcome to attend Board meetings.
3. The CARC Annual Meeting and Election of Officers will be held on Tuesday, November 14th, at 5:30 pm at Woodcreek Church. This is a date change to accommodate festivities associated with Thanksgiving. The

meeting will also be held via Zoom. The Annual Meeting consists of a review of the past year, adoption of the 2024 budget and election of officers for 2024.

4. The CARC challenge coins are available for a donation of \$5. Bill Fell has them available at all membership meetings. Out-of-town members must pay for postage and handling.

Adjourn Business Meeting at 1802 CDT.

There being no further business, President Bill Swan declared an adjournment of the business meeting at 1802 CDT, and, introduced the speaker for the evening: Shawn Prestridge, KI5PXG, who gave a very interesting program entitled "nanoVNA - A Primer."

The presentation concluded at 1900 CDT. President Swan presented a CARC challenge coin to Mr. Prestridge as an honorarium for this excellent program.

Minutes respectfully recorded and submitted by:

Frank Krizan KR1ZAN, Secretary Pro-Tem

CARC Board Meeting Minutes

Date: 31 October 2023

Bill Swan K5MWC called the Collins Amateur Radio Club of Richardson, Texas Board of Directors meeting to order at 2000 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 Present:

Jim Brown AF5MA

Bob Chandler KR5BC

1. Welcome
2. Motion to approve the Consent Agenda

Item A: Minutes of the 24 October 2023 General Membership Meeting, previously distributed

Item B: Minutes of the 10 October 2023 Board Meeting, previously distributed

Item C. Agenda for 31 October 2023 Board Meeting, previously distributed

Motion made by Frank Krizan, seconded by Bill Fell. Motion passed unanimously.

3. FY2024 Budget Planning Committee – Bill Fell
 - a. Reviewed Proposed Budget and planned projects as submitted by Bill Fell.
 - b. Board members to send individual suggestions and changes to Bill Swan no later than November 6.
 - c. Bill Swan will send final budget draft to Board members by November 9 so the FY2024 budget can be presented to the Membership at the Annual Meeting on November 14.
 4. Station Restoration Project Status – Jim Skinner
 - a. Bill Swan reported on conversation with Jim Skinner that one antenna rotator is being repaired. The other two will be sent after the club receives the repaired rotator.
 - b. Jim Skinner reported KPA-500 Linear Amplifier has been repaired, but the costs have not been submitted to the Treasurer.
 5. CARC Officer Transition Guide Review
 - a. Jim Brown emailed the Board members his latest draft with needed input from the Board members.
 - b. The initial version of this guide will be available in January 2024.
 6. Items to Resolve
 - a. Action Plan development with timeline
 - i. Searchable Filing System – Stafford

Requirements:

To be accessed by” Member’s Only” from the N5CXX.us website.

Used to search and retrieve electronic documentation from the “Word Press” CARC database

Search functions

 - Keywords
 - Dates
 - Categories of Documents

Officers must be able to make update and change data.

Document categories must have ability to be added and deleted.

Initial document categories

 - Monthly Membership Meeting minutes
 - Monthly Board Meeting minutes
 - Annual budget
- Monthly income / expense reports
 - Current membership data
 - Standing operating policies
 - N5CXX equipment inventory
 - N5CXX station operating instructions
 - N5CXX equipment operating and service manuals
 - Liability insurance Info
 - N5CXX station license
 - W5ROC and N5CXX history
 - ii. Financial reporting and record keeping - Kerry Weeks and Bill Fell
In Progress
 - iii. Website update and revision – Krizan
A team composed of Mike Hollingsworth, Cameron Prince and Frank Krizan have begun developing a new website using WordPress for the Collins ARC. We are fortunate in that Cameron has experience with WordPress. The content of the old website (n5cxx.us) has been moved to the new site, and a theme will next be chosen which is attractive and represents the values of the Club. When the material has been linked to navigation buttons, etc. and appears somewhat stable, the team will notify the Board and ask for comments. Right now, this is a work in process. Our goal is to have a useable website using WordPress by Jan. 1, 2024.
- b. The initial version of these documents will be available in January 2024.
7. Annual meeting presentation package (to include but not be limited to FY2023 club accomplishments and the FY2024 budget), and slate of officers for the FY2024 club officers
 - a. Bill Swan will prepare a draft before 7 November.
 - b. The final document will be sent to the Board on 9 November.
 - c. The presentation package will be made at the November General Meeting on 14 November.
8. Christmas Dinner Planning – Frank Krizan

Arrangements have been made with Aboca's Italian Gril for our Christmas dinner party on Tuesday, December 5th. An initial announcement was included in the October SIGNALS and will be further promoted in the November SIGNALS and via emails to Club members.

Seating will be available beginning at 5:30 pm, with participants being able to begin ordering meals at 6 pm. Everyone will order off the regular menu. There is no buffet or special menu. When most people have finished their meal / dessert, a program consisting of a speech by the President will begin, followed by door prizes. We have HRO gift certificates of \$100, \$50, \$25 and another \$25 donated by HRO. There is also a \$25 gift certificate for Aboca's. It is possible that one or two other door prizes may be donated by members. Attendees are asked to send their RSVP to kr1zan@arrl.net (names and calls of all those planning to attend).

9. Report on The Big Project – Frank KR1ZAN

The Big Project Team held its final meeting of the year on Tuesday, October 18th. No other meetings will be held for the remainder of 2023 due to the holidays. The Big Project will not be one single project or program. Instead, it should consist of multiple projects, programs, activities, tasks, or assignments focusing on one of the brand themes of Service, Education or Fellowship. Additionally, every project, program, activity, task, or assignment should have a STEM component (Science, Technology, Engineering and Math). The goal of The Big Project is to get every stakeholder involved in some aspect of the Club -- in other words "Something for everyone and everyone in something." The Big Project Team also has addressed a need to measure participation and performance of every activity. The team discussed this aspect at the October meeting. The future of The Big Project will depend on the desires of the incoming Board of Directors.

10. Election of Officers – Constitution Article VI, Section 2, and Article IX

- a. Bill Fell, VP, will conduct the election process. Bill Fell stated that the President, Vice President, Secretary, and Treasurer positions will be open.
- b. Bill Fell reported that he has nominees for President and Treasurer.

11. Sale of Equipment Process Discussion

- a. The goal is to develop a process that is open to all club members who want to purchase an item that is deemed excess to club needs.
- b. Bill Swan will develop a strawman document.

12. Program Reminder – 14 November 2023 Annual Meeting and Election of FY2024 Board Officers

13. Board Meeting adjourned at 2115 CDT.

Minutes recorded by
 Jim Stafford, W5DTG
 CARC Secretary

Upcoming Meeting Programs

Here's what's coming up in the next few months at Collins ARC meetings:

Dec 5 - CARC Christmas Dinner - Aboca's Italian Grill

*** **NOTE:** The November and December meeting dates are not the 4th Tuesday and are changed to accommodate the holidays. ***



[2024]

Jan 23 - Show and Tell Night

Feb 27 - ARRL Night - Steven Lott Smith, KG5VK (ARRL NTX SM)

We're working on a program on Getting Started with the Raspberry Pi and a speaker on the AMSAT Fox-Plus Project. If you have suggestions for meeting topics that would interest our members, send them to kr1zan@arrl.net.

In May, we anticipate a program on final plans for Field Day, and, of course, July is our Annual Ice Cream Social. November is the Annual Meeting, and Elections and December is our Christmas Dinner Party.

Dubya...Dubya...Dubya

Web sites for Hams ...

We all have our favorite web sites for various amateur radio topics and resources. To help in the sharing of that info, we're starting a monthly collection of useful web sites on a different topic each month.



This list isn't all inclusive...and we're sure you have others that could benefit your fellow members. So we'd like to ask that you send along your URLs (website addresses) along with a short description of what's important on the web-

site to kr1zan@arrl.net. We'll publish your added links in the following month's SIGNALS.

Also, if you have a favorite website that's not associated with this month's topic, send it along with a brief description to kr1zan@arrl.net and we'll include it in the ETC section of next month's Dubya-Dubya-Dubya.

This month, our focus is on "Frequencies"... our coverage is not comprehensive, so we hope you'll send in your favorite websites for frequency lists and special frequencies you enjoy. We'll print those next month in ETC below.

ARRL Ham Band Chart

<https://www.arrl.org/files/file/Regulatory/Band%20Chart/Band%20Chart%20-%202011X17%20Color.pdf>

ARRL Band Plans

<https://www.arrl.org/band-plan>

IARU (International Amateur Radio Union) Band Plans

<https://www.iaru.org/reference/band-plans-2/>

(Reminder: We're in Region 2)

Repeater Frequencies - RepeaterBook

<https://www.repeaterbook.com/index.php/en-us/>

Apps for RepeaterBook are available for iOS and Android

Texas Coordinated Repeaters - Texas VHF FM Society

<http://www.txvhffm.org>

Dallas / Fort Worth Repeater List

<https://hamencounters.com/201807/dallas-fort-worth-repeaters-quicklist/>

Shortwave Broadcast Quick Reference List (C. Crane)

<https://ccrane.com/shortwave-frequency-list/>

The Ultimate Shortwave Broadcast Station Guide and Info

<https://www.short-wave.info/index.php>

Comprehensive AM and FM Station Info

<https://radio-locator.com>

U.S. Frequency Allocations: The Radio Spectrum Chart

<https://www.nist.gov/image/january2016spectrumwall-chart.png>

NIST Time & Frequency Division - follow through Time & Frequency Distribution and check out WWV, WWVH and WWVB.

<https://www.nist.gov/pml/time-and-frequency-division>

ETC ...

No contributions were received from our readers this past month, so ETC is empty. If you have some favorite and useful URLs that would interest other hams in CARC, send the links to kr1zan@arrl.net.

CARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson outdoor warning siren testing. The November 2023 test was conducted on 1 November. All sirens worked perfectly except number 3 which was totally nonfunctional. 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 November City of Garland Siren Test: Bob Jones, W5BJ, 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.

W0CXX SPECIAL EVENTS

The Collins Amateur Radio Club station, W0CXX, in Cedar Rapids, Iowa, has planned three special events to celebrate the 90th anniversary of Collins Radio. Arthur A. Collins (1909-1987) founded Collins Radio Company in 1933 and produced shortwave equipment before supplying equipment for the commercial broadcast industry.

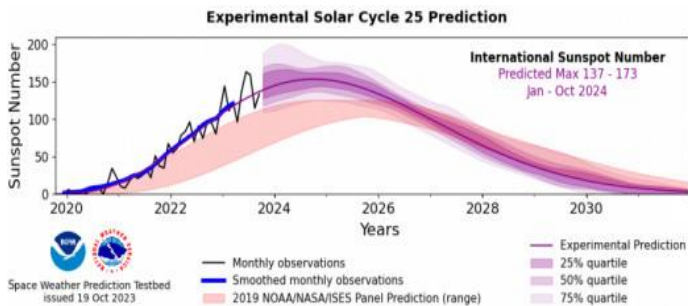
The company also built radios for amateur use, including the KW-1, KWS-1, KWM-1, KWM-2/2A, and KWM-380, as well as the classic S line consisting of the 75S-3A, 32S-3, 51S-1, 30S-1, and 30L-1. After several mergers and acquisitions, the company began producing avionics for the aviation and aerospace industries and is now Collins Aerospace, a subsidiary of Raytheon Technologies.

On September 9, 2023, W0CXX was host to a special event station celebrating Arthur Collins' birthday. On October 14, 2023, a special event station was in operation from 14:00 UTC to 20:00 UTC to celebrate the 90th anniversary of Collins Radio. On November 18, 2023, a third special event station will operate from 15:00 UTC to 21:00 UTC to celebrate the 40th anniversary of the club's charter. More information is available on the club's website (w0cxx.us) and on QRZ.COM (see W0CXX).

NOAA FORECASTS QUICKER, STRONGER SOLAR MAX

When Solar Cycle 25 began in 2020, leading forecasters [thought it would be weak](#) and slow to develop. Fast forward

three years: NOAA is now predicting a quicker, stronger solar cycle. The revised forecast, published October 25th, shows Solar Max coming sometime between January and October 2024:



NOAA's original prediction for Solar Cycle 25 is shown in pink (), the broad band indicating the uncertainty of the forecast. It has become clear in recent years that the original prediction was too low, which prompted NOAA to issue a new one. The magenta line () traces the new forecast, and takes into account recent high sunspot counts.

Uncertainties in the new forecast are bounded by different shades of magenta. There is roughly a 25% chance that the smoothed sunspot number will fall within the dark-shaded region; a 50% chance it will fall in the medium-shaded region; and a 75% chance it will fall in the lightest of the shaded regions.

If this new forecast is correct, Solar Cycle 25 could land in the ballpark of [Solar Cycle 23](#), which peaked in 2000-2001, and produced the famous [Halloween Storms of 2003](#). However, the odds still favor Solar Cycle 25 being a bit weaker than Solar Cycle 23. Either way, next year's Solar Max could be potent.

NOAA plans to update this new forecast every month. Check out their Space Weather Prediction Testbed for [the latest prediction](#).

[This article from [SpaceWeather.com](#), issue Oct. 26, 2023, used with permission of the author, Dr. Tony Phillips]

NEW NASA APP

On Thursday, November 2nd, NASA launched a new app to make it easier than ever to spot the International Space Station in the night sky. NASA has long operated the Spot the Station website, but its new app, available on both iPhone and Android, brings augmented reality features and a handy interface to learn more about the orbiting laboratory.

Find the app at the Apple App Store or at Google Play. The app is simply named "NASA". [ANS thanks Clint Bradford,

K6LCS, and JoAnne Maenpaa, K9JKM, for this information.]

[This article courtesy the AMSAT News Service Bulletin ANS-309 dated Nov. 5, 2023]

New SMS Gateway for APRS

With [SMSGTE](#) shutting down services due to increased spam and regulations requirements, the world of ham radio lost its interface to SMS text messaging via APRS. Recently, NA7Q has stepped in with an updated solution to reintroduce the ability for hams to send SMS text messages through APRS.

While the service has yet to be assigned an official name, details on how to get started may be viewed at <http://the-connectdesk.com/SMS/>.

[Source: NA7Q, November 5, 2023]

Excerpt from Jack, W5TFB's Book

Here is the next excerpt from Jack's book.

Here is the next excerpt from Jack's book. Mae ends the chess tournament victorious. For those who know the game, there is an abundance of technical information.

I said to Sue, "Thank you, I will bear that in mind for next time. Back to Mae, she is not unique, nor is the problem restricted to females, although it seems females have the edge, that is to say they use it more, but society may force them into it by severely limiting the choices women have. Yet they develop the habit in Middle School (formerly Jr. High), surely long before these adult world concerns appear. I believe they do it because having the power is fun, and I think it started when they were little girls who could control their daddies. You didn't do that, although your body was so perfect I thought there should be a statue like you in a garden somewhere."

"Thank you, but I thought I was fat and was afraid of my unusual breasts which attracted unwanted attention. Marie did not have a daddy around to control. If she uses that as an adult it will have to be an original, for she has never seen anyone I know of act that way. Don't expect Mae to change into sexy clothes or put on makeup just to distract Craig. Anyway I don't think it would work."

"No, on reflection I agree it wouldn't. Craig has told me how he can concentrate so intensively. However, he is denying himself valuable clues which come from the behavior of his opponent. I noticed you have a book by Pal Benko, Winning with Chess Psychology. Mae has probably read it, because that element of the game has played a major role in her approach. In all but the first game she knew something about the style of her opponent, and in the first game she was assuming that the players preferred open games.

Every opening I know of has a sound closed defense, that against an aggressive damn the torpedoes approach is a sure winner. Mae and I talked about this at some length. After the first round she had some evidence that gave her a hint. Craig told her how to beat the player she played in the fourth round, but she stuck with her first choice, 1 c4, the English opening.”

“Don’t you think that is a good sign?”

“Oh yes.”

“What do you do against 1 d4?”

“Lately, the King’s Indian. If White does not play 9 a3 then I have never lost, although draws are common. I don’t know how to handle the a3 move, but it is rarely played. The first 8 moves are 1 d4 Nf3 2 c4 g6 3 Nc3 Bg7 4 e4 d6 5 Nf3 0-0 6 Bc2 e5 7 0-0 Nc6 8 d5 Ne7 This is the critical point in the opening. White has at least 9 good moves and 5 more safe ones. I think the best is 9 a3, but evidently no one agrees with me. It is surprising that this advance, which is on the Queen side, effectively takes the g7 Bishop out of the game. He can end up with a long diagonal all to himself, for White has time to move everything off of it. Most King’s Indian players would never think of exchanging their sacred Bishop for a Knight, but I think that is the best move. In any case this line takes accurate play. For example 9 a3 Nd7 10 b4 f5 11 Bb2 fxe4 12 Nxe4 Nf5 13 Re1 Nf6 14 Bd3 Nxe4 15 Rxe4 Qf6 16 Qd2 Ng7 17 Rae1 Nh5 =.

As you can see, White may be overextended but the way the pawn chains interact makes it hard for either player to gain an advantage.”

Sue sighed. “No, actually I can’t ‘see.’ Marie can do that, I don’t know how. I think someone wants you. I’ll be in our room.”

There was a clock problem in a 4–5 section. I went to the bullpen and asked if they had one, and took it. The clock that failed was an LCD smart one, so I had no idea how much time they had used, and they didn’t either, so I gave each of them half the time left until the next time control, and left. That is what the book says to do. I think I may have been called because they didn’t know how to get another clock.

It was about time for the last round, Seniors, to begin. I went into the skittles room and made the announcement that the pairings for the final round were posted. There was not a mad dash to the room. Most of them were exhausted and sleepy. After they were settled down and had their clocks set Mr. Leland started the round.

There was nothing to do but stand around. The awards were going to be given out as soon as the final standings were available, and with this crew that would be a minute after the last game was reported. We decided Friday it would be appropriate for the director of the section to give

out the awards, and he would be the man who handled the lower numbered boards, assisted by the director of the other room when there were two rooms. I would just introduce the man. The awards are presented in the skittles room. You did not have to be present to win—you would be notified by mail/email where you can pick up the trophy, and the cost of shipping it if that was not feasible. Having been to many of these things I knew any imaginable cost, no matter how small, was not justified. Of course I wasn’t a kid.

The round 5 Seniors were finishing, but it was taking longer than round 4. None of the top three boards had reported, as expected. I hoped I would not be called in to make a ruling there. I am not as cool as Craig, and hope I never am.

There had been a problem I forgot to mention, this time in the 6–7 group. A player with an obvious win had fallen asleep, and the opponent had let his clock run out without trying to awaken him. The rules are clear. If the director determines that one side has a win, then the game goes to that player. If the director can’t say the game is clear, then the player who did not try to wake her opponent or call the director gets a loss and the sleepyhead gets a draw. It turns out it made no difference at all in the tournament standings, for they were each 1-0-3. It may have made a difference to the players.

If this had not been the last round I would have warned the guilty player that what he had done is not ethical, and he could be disqualified if he did it again, but that didn’t apply. This kind of problem is rare in kids.

There was another problem, this time in the lower board number room in the 6–7 bunch. It happened that one of the players did not show, and the player present refused to start the clock. The session directors disagreed on what to do. I told them what the rule is, and by not starting the clock he was willfully disobeying the rule. If he decides to obey the rule, then both clocks will be set for half the time remaining for the next control, and the player will start the clock. Otherwise the player will receive a loss, the clock started, and if the late player arrives before the first time control s/he will win. The point is you have to obey the rule even if it is to your advantage, and not starting the clock will fowl up the timing of play, and possibly the whole tournament. He did what he was told and won by time forfeit. I assumed the opponent was a friend.

They came out. Mae was smiling. Craig had his inscrutable serious still playing look. I could see he was dazed. They turned in the result.

Mae said, “He let me have the King’s Indian reversed. I started 1 g6 thinking that might not scare him. I had planned the first four moves, which I can make with my eyes closed and can’t be prevented. When I finally looked at the board I was amazed. I had it, and unless I die or something Craig is toast. Here, look at the score while I go pee.”

Craig said, "I didn't play badly. Toward the end I was in time trouble; Mae had only used 22 minutes. If I can be said to have blundered it is my eleventh move; I thought her 11th move was weak, but in a few moves I realized she was inviting 11 . . . b5, which looked so good at the time. I thought she would move 11 a4 to prevent b5. I knew I was a tempo behind but I 'knew' her preference for closed positional games would save me. After 12 Ne3 my game turned hellacious. I hate to admit it but she beat me with psychology, which I didn't believe in."

"Yes, I see that." I didn't say anything more because he was not all there. He is not used to losing. At least he lost to an unknown (for a while; I am going to send this game to Chess Life if Mae will permit it. Actually, technically the score belongs to the tournament management.)

I said, "She got a Sicilian reversed in round 4 after 1 c4 , and a King's Indian reversed from you. Actually, it is that missing tempo that beat you. Almost the same thing happened there. She has done her homework, using their great library and Fritz 6. There is not a lot to do in New Iberia. No one in the household watches TV."

Mae returned, calmer now. I asked, "Did you know your first move 1 g3 has a name, the Benko System, after Pal beat both Tal and Fischer using it in the same event in the early 60's. It is really R'eti's opening. Why didn't you move 11 a4 ?"

"I was a move ahead. If he had White I would have." Craig just shook his head. He knew this was not a fluke. She is good, probably better than he is. Today, definitely.

Everyone had finished. The results were posted and it was time for the awards. It takes about 5 minutes to organize everything. I excused myself and went to call Sue. She was there but sounded sleepy. I told her to come down to the tournament room. She never says stuff like "Why?" or even "OK, but why." What she said is "Be right there." I went to the Skittles room and announced the awards were about to be made. They must have known it because a big cart with the trophies was rolled in. Say that to a K-6 or so group and you have to jump out of the way.

Everyone was there that wanted to be, so I introduced Mr. Leland after thanking the kids for making the tournament a success. Sue came in and I led her to chairs near the back.

When they hand out trophies they start with the lowest winning players. There were 17 winners, so it took a while. They are experienced. When they got to the top 4, I could see that Sue was getting excited. When Craig was awarded second Sue was stunned. And then there was Mae. Leland said a few words about how she came out of nowhere and defeated the best players in this event. Then he gave her first place. It was heavy.

Then Leland said now we will award the Louisiana trophies. He turned that over to the president of the Lafayette Chess

Club. There were six in all, and naturally Mae had another first place. It was a little taller than the open one, but not as heavy.

Ruth and Craig came over to congratulate Mae. Craig said, "You outplayed me." "Yes, I suppose I did."

"You told me you would. Not using those words, but that's what you meant."

"And so I did. Certainly not intending disrespect when I told you. I just played better

than you did in this one game. I knew you couldn't resist driving my well-placed Knight away; you didn't see that b5 would cause your Queenside to collapse because your c pawn can't be defended. And e3 is not a bad square for the Knight. We can't let it affect our friendship. Chess is only a game. When you recover you will know that my understanding of the game can be used to improve your game. If you didn't know the moves and held your father's opinion of the game I would still find you attractive. Chess has brought us together, but we are not chess."

Craig tranced. Then, "As far back as I can remember, I have always been more chess than human."

Mae said, "There is so much of you that you can be both."

After a pause, I said, "I'm going back to New Iberia. I'll be in the orchard resting until you arrive."

Mae didn't realize that it would be 15 more moves before the c pawn fell. She just sensed the weakness in Black's Queenside the advance would cause. I set up the board in my mind and then realized Craig really had no good move, that because of that he was going to lose another tempo no matter what he did. I left. We had already checked out of the hotel.

Sunday evening it only took 35 minutes to make the trip. I had a blanket and sleeping bag in the car, and got those out and went back in the woods far enough so I could just barely see the house. I didn't have to go as far as that to not be seen. I spread the sleeping bag unopened on the soft mulch, covered myself with the blanket, the bag folded over for a pillow, and surrendered to sleep. It was about 6:30.

Something woke me up. From the stars I decided it was about 10, then realized I was thinking the stars in College Station, and I tried to correct for that, but decided why worry. I heard something, then saw a light filtering its way through the woods. I rolled up the bag and folded the blanket, and in the bright moonlight walked toward the light. I said, not too loud, "Hello." There was an answer that sounded like Sue.

I saw the light clearly now. "It was sweet of you to look for me."

"I didn't want you to spend the night out here. Anyway I have something else in mind. We had dinner, not in the hotel. Ruth drives a Lexus SC. She had the top down. Marie and Craig were squeezed into the tiny rear seat, but neither complained. I was a little disappointed by the jittery ride. We went to a restaurant near the four corners."

"Isn't that the intersection of five fairly important streets? Why do they call it 'four corners?'"

"I don't think anyone knows. Maybe some Cajun who couldn't count. Anyway it was nice. We didn't miss you. We were all jabbering in French and enjoying it. Not a word about chess, thank goodness. I think we were all chessed out. The food is more like you would expect. There wasn't even a paper menu, it was written in chalk on a blackboard. It was good but not remarkable. I think you would have liked the crayfish gumbo."

"Craig and Mae got along even better than before, more like equals. Before it was not as symmetrical. Craig has as sharp a wit as Mae, and knows more idiomatic French than either of us."

We were about to the house. I said, "I can leave this stuff outside on the porch. It is not exactly dirty, but smells like mulch, not a bad smell in the woods but not good in a house."

We went in the house and Sue led me upstairs. "I have my Monday morning meeting."

I said I know. "We should sleep now(?)" I left just a hint of an implied question that Sue would not miss.

"Something like that." We entered her room, and she asked if I wanted to wash off the woods.

"Well, it is more the grimy chess, but yes."

Sue pinned up her hair, which I liked because she has such a lovely neck. We undressed and headed for the shower. This time she wanted me to wash all of her, not just her back, and said that she would return the favor. I said OK. The water was always hot right at first. I would ask tomorrow how. I knew the cheapest way, but this seemed hotter quicker.

Her soap was Ivory bar soap. It used to be a real soap. By real I mean not a detergent. I know the dictionary now makes the two terms interchangeable. You can make soap by boiling animal fat with NaOH. It is nice because the hydrophilic Na end grabs the soluble dirt and the stearate chain is hydrophobic and goes for the oil. Sadly, modern Ivory is a detergent. Well, not too sadly because you don't get soap scum in high Ca and Mg water. When she was wet I soaped (detergented?) up my hands and started with her backside, all the way from her neck to her ankles. Then I turned us both around and did her front from her back. I don't know why, but that seemed better to me. I let her wash her own face, and just superficially washed her down there.

She finished her face and washed my front from the front. It wasn't as erotic as I thought it would be. Then she let that rinse off and washed my back from the front. When she got down on her knees to wash my feet and back of my calves she said, "Well, well, what have we here?" That didn't really call for a reply. She knew what she had, just teasing really.

We dried each other. The last time I did laundry I did the towels, which were more dusty than dirty. She seemed more serious and I didn't know why, so I said, "A penny for your thoughts."

"It will cost more than a penny. I have been wondering what we are going to do with Mae."

"Are you asking me?"

"Yes."

"Leave her alone. She is the most self-motivated person I have met. I include myself."

Let her correspond with Craig, email and an occasional phone call, if that's what she wants. Make a place somewhere for her trophies. I know enough about kids to know how much that would mean to her, even though it would be unlike her to ask for it. The dining room would be a good place. You could easily make room by moving around some knickknacks. Charles won a trophy in his first serious tournament. He slept with it. Above all, do not push her, but do let her go to nearby tournaments, not necessarily with kids, but only if she wants to. Chess is a difficult game, but Go is more difficult, and checkers, bridge, and poker are just as demanding as chess.

"In fact, Craig told me he may go to Vegas and turn Pro in poker. There is no future in this country for professional chess. You can't use four hours to televise a game, and jumping around between games would be confusing. She has the right attitude, but I would have said it slightly differently: Instead of 'chess is just a game,' how about 'chess is a delightful pastime.' There are thousands of kids that showed an aptitude for chess, that were put on a treadmill, and that, because of the importance they have let it play in their life, burn out, discouraged, and quit. I think Craig is close to being one. What he hasn't realized is that Mae taught herself, aided by your splendid library and a computer program named Fritz, and she has an amazing memory. The last is not really a natural gift. A memory can only retrieve what has been put there, and hers contains a lot of chess stuff, but there is room for ordinary stuff too."

"One thing she has is rare in women. I have only met one other who has it. That is the ability to visualize things, for example a chessboard crowded with pawns and pieces. I can do that, but I have a hard time seeing ahead. She clearly demonstrated to me on our walk last night that she could. After our fourth move she said I had a lost game, but it was only 8 moves later that I saw it. So she is not just looking up things that Fritz has taught, she has a sense of

positional play that exceeds mine and Craig's. I don't think I can tell you how brilliantly she played. After Craig's eleventh move the game was over.

"Here is one more idea. After she gets her driver's license, let her join the Lafayette Chess Club. Most Saturdays they have a three round tournament, starts at 9, G60 time control, then another round at 11, and the last round at 2, making the tournament finish by 4, probably a bit earlier. Plus scores (anyone as good as 2-0-1 or 1-2-0) get their entry fee back. The reason that it will be good is she can get experience with adult players, and if she is as good as I'm now sure she is, her rating with the USCF will increase. During the tournament I met two who are in the chess club and play regularly in the Saturday events. One is rated 2250 and the other 2133, so they are both better than I am. Plus it will be fun, and since the pool of players is small she will have a perfect setting to hone her psychological skills. They are more important the more you know about the style of your opponent. Until she learns to drive you could occasionally drive her. I'm sure sometimes you would find something to do in Lafayette for 6 hours on Saturday, and return about 4."

"OK, we agree about how to handle the problem. Really my problem. I am not going to send something to the newspaper that starts for immediate release LAFAYETTE A New Iberia School student, Marie Barber, has . . ."

"That wouldn't hurt anything, but she doesn't need it. She has trophies as big as toddlers. If someone she knows needs to know she will tell. She will probably tell her English teacher and Linda who works in the office, perhaps others. If you did that you would be doing it for you, and I just met you again but doubt if you need to live vicariously through anyone."

"No, and I know it puts pressure on the child when you excessively praise her. They need support when they fail, not praise when they wildly succeed, as she has done every single day since you have been here. The Lafayette Chess Club seems like a good idea."

There she goes again. Nothing can be done. "I'm chilly. Let's get warm." So we crawled into bed. She was chilly too, but I know her dilemma. We must talk about it more tomorrow. It is not easy to have a child who is a genius. I just let the child be a genius, and I gathered Sue agreed. I remember that both Mr. Roberts and Konnie Jo thought we were at least real smart, which was good enough for us.

She snuggled up close, her head on my shoulder and left arm holding me tight, and fell asleep. My right hand was freezing but it slowly warmed, and I eased it into the small of her back. My mathematician tells me it can't be that someone is aware of being held while asleep. What does he know anyway?

Monday 26 November My left arm or shoulder had gone to sleep. I could still wiggle my fingers, and I tried to move the shoulder around, but Sue just held me more tightly. So I held her back. I didn't want to wake her. Her experience had been more trying than mine, and I had a 3 hour nap in the woods. I couldn't see the clock which was on my side, without wiggling free, but who cared? The alarm was set for 7. I wondered who Mae would be this morning: The chess champ or the destroyer of dangerous people in power. Or just Mae, ready for anything life brings.

I thought it over. The 4th round player had given her a Sicilian with an extra move. She knew the first 10 moves or so, with variations, learned before she switched to the French. So she moved the black moves as she knew them, knowing that she had a free tempo up, and found an easy win.

Craig gave her a King's Indian reversed. He knew the book line, so he played the white moves, by the book. He was actually Black and so a tempo behind. Mae won both games at move 11; the rest was just a chore, cleaning up and being careful. So she won because she played better, and she could do that because she was better prepared. Craig actually had a good move I couldn't see at the time but it came to me later. I decided to see if it would work if the colors were not reversed. I saw that it did but much later.

My point is this proves nothing except Mae was playing against players who made a few weak moves, in Craig's case one. All it takes is one. Just because she beat a Master does not make her one, but her initial rating has to be about 1950, a high Class A. The next time either plays Mae they will be more careful. I still maintain that in a match between the two Craig would win.

I also wondered about Craig's plan to be a pro poker player. On the surface, poker seems to be a card game, and knowing all the probabilities and so on is needed. Actually, poker has two more equally important components: Psychology, and money management. True, in some situations one can calculate the best possible hand, or the best hand at an early point in the game. Calculating probabilities is silly. You do need to know the chance of hitting a straight or a flush, or improving two pair. I once called a small bet in five card draw with an ace and a king on suit and drew a full house. Won a nice pot. The very next hand (same game) I was dealt a pat ace high flush, raised before the draw with 4 callers who each drew 3. I checked and the next player bet the pot, was raised, and I called, each raising back and forth. I lost, was almost tapped. One had four of a kind. The other had a full house. I suppose if I were a great psychologist I would have folded. These particular players loved to bluff and threw chips in with two pair, raise with three of a kind. Against good players, even just one, I would have folded. It is the money and the psychology. The cards are there to provide a platform for the serious elements of the game.

Satisfied, or tired of all this, I went back to sleep. I hoped my arm would live to see the dawn.

To Be Continued

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. 442.8 (+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
NOVEMBER	
18-20	Nov. Sweepstakes – Phone --For stations in the United States and Canada (including territories and possessions) to exchange QSONovember-SweepstakesLogo.jpg information with as many other US and Canadian stations as possible on 160, 80, 40, 20, 15 and 10 meter bands. Details at http://www.arrl.org/sweepstakes
25-26	EME - 50 to 1296 MHz —Work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz. Full weekend 48-hour period (0000 UTC on Saturday through 2359 UTC Sunday). Details at http://www.arrl.org/eme-contest .
DECEMBER	
1-3	160 Meter --For Amateurs worldwide to exchange information with W/VE amateurs on 160-meter CW. Starts 2200 UTC Friday, ends 1600 UTC Sunday: forty-two hour period with no time limitation. Details at http://www.arrl.org/160-meter
9-10	10 Meter -- For Amateurs worldwide to exchange QSO information with as many stations as possible on the 10 meter band. Starts 0000 UTC Saturday; runs through 2359 UTC Sunday. Details at http://www.arrl.org/10-meter
17	Rookie Roundup--CW. Mission is to encourage newly-licensed operators (“Rookies”) in North America to operate on the HF bands and experience competitive Amateur Radio operating. Experienced operators (“Non-Rookies”) are strongly encouraged to participate and help new operators – either on the air or in person. Objective: Rookies exchange information with as many other stations as possible on the 80, 40, 20, 15, and 10 meter HF bands. Details at http://www.arrl.org/rookie-roundup .

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The Amateur's Code

by Paul M. Segal, W9EEA (1928)

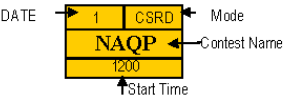
The Radio Amateur is:

- 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.
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- 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 - 2023

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

LEGEND
 GOLD = Major Contest = 10 points
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<p>Membership Meeting Tuesday 14 November 2023 5:30 PM THE MEETING WILL BE AT Woodcreek Church Richardson TX</p>

<p>NEXT SIGNALS INPUTS DEADLINE: →→→ 8 December 2023 ←←←</p>
