

The Pileup

Newsletter of the CDXA

CDXA Frequent Contester Program¹

A New Kind of Club Competition from the Contest Manager

How many of you participated in a contest this past year? In a recent Board of Directors meeting I made the observation that very few CDXA members (less than 10%) participate in contests. CDXA is not a contest club. It is a DX club, so that accounts for some of the low participation. However, even looking at DX King there are about as many participants as are found in contests—very few.

CDXA would like to explore ways to increase the level of participation on air by its members over the last years' level. Any action program based on this desire had to be consistent with our club's philosophy. CDXA was formed in July 1981 ". . . to advance the general interest, knowledge and welfare of amateur radio." And, ". . . is an association of hams interested in DXing and contesting".

We didn't want to put pressure on members to reach some arbitrary goal. And we didn't want to tell members that they have to get out there and participate in some big contest coming up.

AA4ZZ	Paul Trotter	President
K4CEB	Eric Sossoman	Vice-Pres.
N4APR	Ray Weeks	Sec./Treas.
K4MD	Joe Simpkins	Cluster Mgr.
W1AJT	Art Tolda	Contest Mgr.
W3GQ	Paul Sturpe	4th Call Area Bureau Mgr.
WB4BXW	Wayne Setzer	Webmaster
K8YC	John Scott	Editor

We also wanted to develop something that everyone could benefit from—essentially a non-competitive program. Our goal is to find a way to motivate members to operate more through participation in contests, not to create another contest.

Since our goal is to incentivize members to operate/contest more, we increased the number of contests from our traditional handful to over 90 approved contests occurring nearly every weekend, not just a few scattered through the year.

Using WA7BNM's Contest Calendar (www.contestcalendar.com), we generated a list of contests. The list does not include short contests (4 hours or shorter), weekly contests, and practice contests. We also did not include ARRL Field Day, because technically it's an exercise, not a contest.

We established contest weights to encourage more participation in certain contests while giving credit for all others. These weights are used as multipliers in the scoring. The major contests all have a weight of 10, while the minor DX contests have a weight of 5. To encourage participation, state QSO parties have a weight of 7, which is more

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CDXA PacketCluster & Other Communication Systems	
K4MD (AR V.4 Cluster via Telnet)	k4md.no-ip.com:23
K4MD (AR V.6 Cluster via Telnet)	k4md.no-ip.com:7373
W4DXA (AR V.6 Cluster via Telnet)	w4dxa.no-ip.com:23
W3GQ (CC Cluster via Telnet)	w3gq.no-ip.com:7373
CDXA Repeater 147.18 MHz (+600)	W4DXA, Near Fort Mill, SC
World Wide Web Homepage	www.cdxa.org
Wednesday Luncheon (11:30 AM)	Skyland Family Restaurant, 4544 South Boulevard, Charlotte, NC

Election of Officers for 2021

You should have received a notification of Election of Officers for 2021 recently. On-line voting has been enabled by use of Google Forms which will allow you to vote and record your vote with but a few clicks of your mouse. Write-in options are available on the form. If you wish to offer a write-in candidate for any office, please make sure that the person you are writing in has agreed to serve in the capacity of the office for which he/she is being put forth.



Ooops!

The Pileup

Official Newsletter of the Carolina DX Association
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Published bimonthly 6 times per year.

The purpose of the Association is to secure for the members the pleasures and benefits of associating with persons having a common interest in Amateur Radio.

Members of the CDXA shall adhere to "The Amateur's Code" as published from time to time in *The ARRL Handbook for Radio Amateurs*, and shall consist of those valid licensed amateur operators having an interest in promoting amateur radio. Long distance communications (DX) is of special interest to members of the Association, but said interest is not a requirement of membership.

Yearly dues are \$25.00. A second licensed Amateur family member living in the same household can join for \$5.00 for a total family price of \$30.00 per year. The total price for 3 or more licensed family members living in the same household is only \$35.00 per year. All family members enjoy full member status. Dues are payable annually in December by check to the Secretary/Treasurer:

Ray Weeks., N4APR
3017 Cutchin Drive
Charlotte, NC 28210

Address, telephone, and email address changes should be directed to the Secretary/Treasurer at the above address or via email at: rweeks1@carolina.rr.com.

Where Did These Sayings Originate?

· **Fly off the handle.** In the days before mass merchandising, poorly fastened axe heads would fly off while they were in use. The result was dangerous, hence why the phrase is used to describe risky behavior with unpredictable results.

· **Steal someone's thunder.** In the early 1700s, English dramatist John Dennis invented a device that imitated the sound of thunder for a play he was working on. The play flopped. Soon after, Dennis noted that another play in the same theater was using his sound-effects device. He angrily exclaimed, "That is my thunder, by God; the villains will play my thunder, but not my play." The story got around London, and the idiom was born.

· **Chew the fat.** Originally a sailor's term, this phrase refers to the days before refrigeration when ships carried food that wouldn't spoil. One of them was salted pork skin, which consisted largely of fat. Sailors would only eat it if all other food was gone . . . and they often complained as they did. This idle chatter became known as "chewing the fat."

Now if only we could find the origin of our idiom of "Rag Chewing"! Hmmmm. . . .

Wanted: ZOOM Meeting Content

Do you have a favorite activity that you like to talk about and demonstrate to others? If so, the current pandemic may have you crawling the walls to let others know about your latest findings. Why wait for the "all-clear" signal, when many CDXA members would probably like to hear about it.

You can do it using ZOOM, and your fellow CDXA members will be able to see you via a teleconferencing call without concern about Covid-19. Therefore, we hereby put out a call to ALL MEMBERS of CDXA to please let your officers know if you would like to make a presentation on a ZOOM meeting to the membership.

You need not plan on a long presentation. Perhaps we'll be able to round up several members for a few shorter presentations and then open up the Zoom session for a general "rag chew". This will all be done in the name of getting us together again.

Have you seen some great software that all DXers should know about? Did you have some unusually good success with a recent home brew project? Do you need some help in solving a problem? Did you find a piece of gear that would make DXing more fun? Let your officers know. We'll even help you with your Zoom setup. Don't wait for "the other guy" to step up!

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than the DX contests, but less than the major DX contests. As a bonus, operating in our own NC/SC State QSO Party would receive a weight of 20.

Possible Metrics

One of our most important decisions was the choice of metrics of achievement. How does one measure participation? Many of the contest programs by other clubs use contest scores as a metric. It seemed to us that people with high scores are already motivated and are already rewarded by the individual contest sponsors. Plus, contest scores are more of a measure of skill and quality of the station than of participation. Our intent was to reward participation, not operating skill.

One metric that doesn't favor the "Big Guns" over "Little Pistols" is operating time, which is the same for everyone regardless of station or skill. Increased operating hours are a direct measure of participation.

Scoring

With our metrics defined, we were able to develop a simple scoring algorithm. The score that an operator receives for participation in a contest is the number of hours operated multiplied by the weight of the contest. For example, operating 8 hours in a 10-point contest would result in 80 participation points. The sum of contest points for all contests provides the member's accumulated points.

Data Source

We chose to use "3830 Scores" (See: <https://www.3830scores.com>) for input, rather than to develop our own data collection process. Most contesters already submit their results to 3830 Scores after they send their logs to contest sponsors. Having members input contest results to still another source would be counterproductive.

Collecting the data from 3830 Scores is quite simple via the 3830 Activity Tracker tab that lists all contest reports associated with a club or group (See the CONTEST page of the CDXA website). These lists can be copied and pasted into an *Excel* spreadsheet for manipulation. However, both the Op Time and the Club Name fields are optional in a basic 3830 Scores entry. *We emphasize to our members that if they want to participate in our Frequent Contester Program, they have to include both the Op Time and the Club Name for every contest. Failure to enter an Op Time defaults to 1 hour.*

The requirement to name the club in order to be included in the program presents a couple of problems. One is when someone is participating in a multi-op station with members of another club. Another is when a club member lives part time in two different areas with two different clubs. Bruce, WA7BNM, owner of 3830 Scores, came to the rescue with a feature that enables clubs to upload a list of club members, so that contest activity is automatically associated with the club based on the call sign. The list must be updated regularly to allow for new members. To ensure all possible credit is received, participants are still encouraged to enter their club name for each contest. We already do this for some ARRL contests however, now there is no geographic limitation for our club's purposes.

Some manual editing is needed to reconcile such activities as multi-operator and use of special call signs, in order that hours are credited to the correct operator. Multi-op hours are divided evenly among the number of operators. Operators using special call signs receive credit to their home call signs, *if they list themselves as the operator.*

We will also need to delete records for non-approved contests. Contest weights were added to a scoring spreadsheet for each contest. Columns were added that calculated scores by multiplying Op Hours by the contest weight. The proposed list of CDXA contests (102) will also appear on the CDXA website thanks to Bill Fisher and Wayne Setzer. (See the back of this issue for a complete listing of contests.) Contest dates and times sometimes change, so please confirm dates and times as we approach specific contests.

Recognition

We established plateaus of recognition resembling a frequent flyer program (see the following Table). The achievement levels provide targets that encourage members to attain the next level of recognition.

The first level, Bronze, requires 100 or more points and can be reached with minimal effort—just one or two contests. Silver, requiring more than 500 points, represents occasional contesting activity with a small amount of time in the chair. A frequent contester will reach the Gold level of 1,000 points with a fair amount of operating time in a number of contests. Some serious contesters may reach the Platinum level at 2,000 points. Only a few very active contesters will attain the highest plateau. The Diamond level requires more than 3,000 points.

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More Motivation

We wanted to provide some kind of award for each level besides just bragging rights. Plaques immediately came to mind, but they are expensive. Our club leadership agreed that we could distribute awards at our annual banquet.

CDXA FREQUENT CONTESTER PROGRAM PLATEAUS

Level	Points	Reward
Bronze	100 to 499	Raffle for one \$25 Gift Card
Silver	500 to 999	Silver contestants get one raffle chance, Gold contestants get two raffle chances for a joint raffle for one \$100 Gift Card
Gold	1,000 to 1,999	
Platinum	2,000 to 2,999	Raffle for one \$100 Gift Card
Diamond	> 3,000	Raffle for one \$150 Gift Card

Reporting

Frequent reporting of status is essential. These reports serve not only to keep participants informed, but also serve as motivators and reminders of the program's existence. CDXA produces a bi-monthly newsletter. The "Pileup" will provide a summary of the approved contests for the coming months with dates, start times and modes. This summary allows participants to plan their next month's activities.

In addition, a report of members' achievements in the past month and year-to-date will be published on the CDXA website in call sign order and ranked by score.

Rules

All of the decisions made to this point were summarized and formalized by the rules. Included in the rules are the purpose of the program, eligible contests, scoring, exceptions, plateaus, and awards:

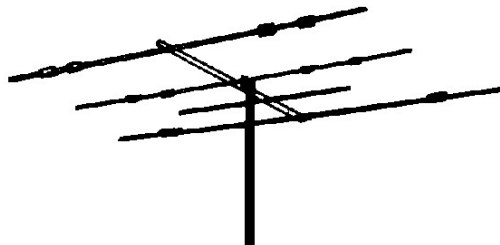
- Purpose: Rewarding for participation
- Time Period: Calendar year
- Eligible Contests: Listed in Appendices
- Scoring:
 - Sum of (Individual Contest Op time x Contest Weight)
 - Op time (Multi-Op): Multi-Op hours / Number of Ops

Plateaus

Reporting: **Operating Time & Carolina DX Association entered for "Club" must be recorded in 3830 along with scores**

Awards

Contest Schedules - By Mode (See Contest Calendar - Appendix Pages 1 & 2 at back of this issue.)



Recipe of a DXpedition—a Zoom Call

By John Scott, K8YC

About 20 members of CDXA participated in a “Zoom” call on the evening of December 1 to see and hear Gene Spinelli (K5GS) of the Perseverance DX Group outline the myriad of details—and Gene’s methods of tracking them—needing to be accomplished to bring about a successful DXpedition.

Gene’s DX experiences began in earnest only about 10 years ago when he reached retirement, but he’s been busy DXpeditioning ever since. As a co-leader, his early exploits clearly showed him that an organized structure was absolutely necessary. It was one of his earliest DXpeditions as merely a team participant that provided a pointed example of the importance of formality in preparation and operation of a DXpedition.

Gene highlighted about two dozen “pieces of the puzzle” that need to be addressed and completed in preparing for a DXpedition. Many of these pieces are little known to those of us who stay at home and enjoy working that “new one”. They are very instructional to appreciate the complexity of completing a successful DXpedition.

Here are a few of the considerations:

Landing Permits. Permission to even set foot on some lands requires governmental approval. Any landing below 60 degrees South Latitude is in a treaty zone that requires approval first from several US agencies (if you’re a DXpeditioner from the USA) and then from the country that claims sovereignty over the landing place. (e.g. Peter One is claimed by Norway) These permissions may take months to acquire.

Quarantines and Inspections. To avoid “contamination” by foreign materials, insects, vermin, and the like on an isolated island, items like food, clothing, and even wooden boxes can be subjected to inspection, and placed in quarantine BEFORE the trip begins. Gene cited a little known requirement for wood products to carry a certification that it has been treated to negate insect infestations (i.e., termites or wood borers) to ensure said vermin don’t end up being introduced to an island sanctuary. Some DXpeditions have had serious setbacks because wood framing in shipping crates was not certified. The CDXA members of the team which went to Palmyra can attest to one of their required tasks being the need to freeze their soft gear and clothing in plastic bags for at least 48 hours to ensure there were “no living creatures” in the clothing! Each potential venue may have different requirements that need to be understood in advance.

Travel Arrangements. Logistics of getting everyone to the kickoff location (at their own expense) is critical to ensure compliance with rigid departure schedules. Some flight schedules to lightly traveled areas may have only a single weekly flight.

Full and Transparent Financial Controls. Team members and expedition sponsors are entitled to full and open disclosure of financial details. A comprehensive budget is a necessity. Since team members often foot about 50% of expenses, it is necessary that they have confidence that adequate controls are implemented.

Health history, immunizations, and evacuation insurance. DXpedition tasks often require strenuous physical activity. Comprehensive medical help at a secluded locale is not a short ambulance ride away. Therefore, a DXpedition team must include a healthcare professional and each team member needs to provide a medical profile to the team physician. Fitness for the expedition’s physical regimen needs to be evaluated for inclusion on the team. Evaluation of critical medicines and their availability, if needed by a team member, must be carefully planned for. Each team member must comply with and certify that necessary immunizations have been received. Finally, each team member must purchase insurance for evacuation expense which can be quite high for certain expedition venues.

Preparatory responsibilities. Dozens of tasks must be completed before departure: equipment accumulation, antenna building, fund raising, QSL Management arrangements, transportation contracting, radio licensing, station on-site networking, station setup and teardown, operating schedules, food provisioning, electrical power provisioning, cooking and power fuel provisioning, equipment testing, and equipment packing and shipping of containers. Everyone has a job to do and its completion must be monitored and checked off as they are completed.

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These are but some of the items discussed by Gene. He now has a “notebook of tasks” and related forms and checklists developed through his experiences. He’s shared these tools with other DXpeditions, having been found to be very useful. The entire Zoom session was recorded. The presentation has already been uploaded to the CDXA website for viewing by those who could not be present. Other previous Zoom sessions are already there. (See separate article in this issue for how to find and view them.)

DX King Competition for 2020 Nears End

With only one month remaining in the DX King competition for 2020, there are still a number of members vying for top spot, and there are a number who qualify for a raffle for earning at least 150 points (DXCC Entities plus CQ Zones) when the final results will be verified in mid-2021 by CQ Magazine.

Those in the competition should record their scores by making an entry in the score sheet available on the home page of the CDXA website. Be sure to record your final score after December 31 on the website, and be sure to forward your entry in CQ Marathon to CQ Magazine by the closing date of January 5, 2021.

Here are the standings as posted after the end of November. Note, the scores posted are the latest posted by those competing. Some postings were done earlier in the year, as indicated in the table. There may be some exciting numbers waiting to be posted by the “dark horses” who have not posted recently! Stay tuned.

DX King 2020 Competition

Callsign	Entities	Zones	Total	Class	Last Update
K5EK	243	40	283	Unl.	October
K4ZO	243	40	283	Unl.	November
K7BV	209	40	249	Unl.	February
W1AJT	205	40	245	Unl.	November
K3WA	200	40	240	Unl.	May
W4PNY	197	40	237	Unl.	November
AA4V	196	40	236	Unl.	November
W4HG	192	39	231	Unl.	November
VE3UTT	189	40	229	Unl.	November
W3GQ	186	40	226	Unl.	November
N4PQX	184	40	224	Unl.	November
K8YC	173	37	210	Unl.	November
KZ2I	167	39	206	Unl.	May
AA4R	145	38	183	Unl.	May
W3OA	142	36	178	Unl.	November
W4CWA	111	28	139	Unl.	November

Earlier CDXA Zoom Meetings

Despite the ongoing Covid-19 Pandemic, CDXA has tried to replace the opportunity to “congregate” a bit by the use of modern technology. That would be via the use of the Zoom teleconferencing application. In case you missed any of the three Zoom meetings, they’ve been recorded and can be viewed on the CDXA website under the “VIDEOS” tab. Once there, click on the “CDXA Videos”.

Here is a link that will take you there directly: [CDXA Videos](#)

The three sessions that have been held are:

Sable Island DXpedition Planning	Jay Slough, K4ZLE
VP8PJ DXpedition	Ken Karr, NG2H
Humanitarian Episodes in Ham Radio	Gary Dixon, K4MQG

The ZOOM application can be downloaded to your personal computer and setup beforehand. Alternatively, scheduled meetings generally have an invitation which contains a link which can be clicked to download an applet and log you into the meeting. The same invitation will usually contain a “meeting ID” and pass-phrase which can be entered into your Zoom application to join a meeting. With a simple camera and microphone on your computer, others in attendance will be able to see and hear you when you speak. If you don’t have a camera or a PC, a dial-in number will give you an audio connection, but you won’t be able to see any of the graphics of a presentation that way.

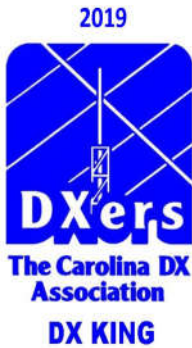
When logging in with a computer, it is generally good form to have your audio muted. Controls in the app will allow you to keep an open microphone or to have it act in “push to talk” mode, generally by holding the spacebar down on your computer. Why not give it a try next time we have a meeting?

New Dues Structure for 2021

If you have been a member of CDXA this past year, you have no doubt noticed that a lot of activity has been curtailed out of the need for health safety. We all miss the regular luncheon get togethers for those close enough to Charlotte to attend. And while our “Contest Within a Contest” (CWAC) activities have been on tap for the major contests like CQWW and ARRL International DX, we’ve had to cancel the Spring Hamfest Banquet and the Fall BBQ. As the days have rolled by, we’ve learned that the Christmas Party 2020 is being cancelled and even the 2021 Hamfest and our related banquet has been cancelled.

Because of the reduced activity being offered by the club, the officers have adopted a dues structure for renewing members of only \$10 for the 2021 membership year for renewals of all membership types whether your membership was regular, regular plus spouse, or family membership. This reduced amount will permit the association to still maintain our clusters, pay our web service fees and other month to month fees and yet still offer some of the prizes we have for various contests. New members joining for the first time in 2021 will be expected to pay the traditional fees, and we hope by 2022, the pandemic will be behind us and we can return to business as usual.

Please get your due monies in to Ray Weeks before year end. Payment can be made online by credit card or PayPal by clicking on the “Join/Renew” tab on the CDXA Website.



2019 DX King Final Standings

Art Tolda – W1AJT / VE3UTT



It's the end of another DX King Competition. Conditions for 2019 were challenging to say the least. On a positive note there were 287 entities activated throughout 2019, with a maximum possible score of 327. We all need to thank those hardy souls who ventured out on DXpeditions, sometimes to very difficult and dangerous places. With the cancellation of the majority of the 2020 DXpeditions, I think the number of activated entities will be significantly less for our 2020 DX King competition.

Getting down to business, here are the results of CDXA's 2019 DX King Competition. First, CDXA did very well as a whole. CDXA came in at 5th place worldwide and 2nd place in NA. CDXA was only 15 points behind the 4th place team from Germany. Unfortunately, two DX King participants from CDXA did not submit their scores to CQ or we would have been at least in 4th place worldwide.

The winner in Unlimited Class was Ed—K5EK again this year—by 14 points over K3WA. For the Limited Class, it was AA4SC. The winner of the \$100 Amazon Gift Card drawing for all participants scoring more than 150 points is Bob Burton—N4PQX.

Remember to submit CQ Marathon entries to CQ Magazine by January 5th to be eligible for the 2020 gift card and to allow CDXA to show its DX capabilities.

Here are the final 2019 scores:

Callsign	Class	Entities	Zones	Total
K5EK	Unl.	269	40	309
K3WA	Unl.	256	39	295
N4PQX	Unl.	245	40	285
VE3UTT	Unl.	240	40	280
W1AJT	Unl.	236	40	276
W3GQ	Unl.	206	38	244
W4PNY	Unl.	188	36	224
K8YC	Unl.	188	33	221
W3OA	Unl.	144	33	177
N4VA	Unl.	135	28	163
AA4SC	Lim.	116	32	148

The Back Page

Contest Manager, Art Tolde, describes a new approach to **CDXA's contesting for 2021**. The new approach is designed to promote participation by all, but still offers goals for the contesting aficionado. See Page 1.

Election of 2021 Officers is underway right now. A few clicks on an online ballot will get the job done. See Page 2.

From where did that expression arise? Check out a few **idioms** that we use often without thinking. See Page 2.

What have you been doing during the pandemic? How about telling the rest of CDXA? See Page 2.

Did you see Tuesday's **Zoom session featuring Gene Spinelli talking about the inner workings of a DXpedition?** Read this summary and find out where to find it on the CDXA website. Page 5.

DX King 2020 moves toward a wrap-up. Who will the winner be? There are some "sleepers" in the mix! Page 6.

New dues structure for existing members for 2021. Help Ray Weeks out by remitting soon. Page 7.

"And the **DX King winners for 2019** are" Yes, Edith, there was DX available out there despite a SFI of 69. See Page 8.



Why make it hard for Santa Clause? Give him a break in 2020? It's been a tough year for everybody? Bedtime before midnight!

Frequent Contester Program - Approved Contests
2021 Schedule

Contest	Type	Weight	Date	Time	CW	SSB	RTTY	Other Digital
ARRL RTTY Roundup	Major	10	2-Jan	1800			R	D
NA QSO Party, CW	Major	10	9-Jan	1800	C			
NA QSO Party, SS8	Major	10	16-Jan	1800		S		
ARRL January VHF Contest	Major	10	16-Jan	1900	C	S	R	D
BARTG RTTY Sprint	DX	5	23-Jan	1200			R	
CQ 160-Meter Contest	Major	10	29-Jan	2200	C			
Vermont QSO Party	QSO	7	6-Feb	0	C	S	R	D
Mexico RTTY Inter. Contest	DX	5	6-Feb	1200			R	
Minnesota QSO Party	QSO	7	6-Feb	1400	C	S	R	
British Columbia QSO Party	QSO	7	6-Feb	1600	C	S	R	
North American Sprint, CW	Major	10	6-Feb	2300	C			
CQWW RTTY WPX Contest	Major	10	13-Feb	0			R	
ARRL Inter. DX Contest. CW	Major	10	20-Feb	0	C			
CQ 160-Meter Contest. SS8	Major	10	26-Feb	2200		S		
NA QSO Party, RTTY	Major	10	27-Feb	1800			R	
South Carolina QSO Party	QSO	20	27-Feb	1500	C	S	R	D
North Carolina QSO Party	QSO	20	28-Feb	1500	C	S	R	D
ARRL Inter. DX Contest. SS8	Major	10	6-Mar	0		S		
Oklahoma QSO Party	QSO	7	13-Mar	1400	C	S	R	D
Stew Perry Top-band Challenge	Major	10	13-Mar	1500	C			
Idaho QSO Party	QSO	7	13-Mar	1900	C	S	R	D
North American Sprint, RTTY	Major	10	13-Mar	2300			R	
Wisconsin QSO Party	QSO	7	14-Mar	1800	C	S	R	D
BARTG HF RTTY Contest	DX	5	20-Mar	200			R	
CQ WW WPX Contest, SS8	Major	10	27-Mar	0		S		
Louisiana QSO Party	QSO	7	3-Apr	1400	C	S	R	D
Mississippi QSO Party	QSO	7		1400	C	S	R	D
Missouri QSO Party	QSO	7		1400	C	S	R	D
North American Sprint, SSB	Major	10		0		S		
FTn DX Contest	DX	5	10-Apr	1200				D
New Mexico QSO Party	QSO	7		1401	C	S	R	D
Georgia QSO Party	QSO	7	10-Apr	1600	C	S		
North Dakota QSO Party	QSO	7		1601	C	S	R	D
CQMM DX Contest	DX	5	17-Apr	900	C			
Michigan QSO Party	QSO	7	17-Apr	1600	C	S		
Ontario QSO Party	QSO	7	17-Apr	1800	C	S		
Florida QSO Party	QSO	7	24-Apr	1600	C	S		
7th Cal Area QSO Party	QSO	7	1-May	1300	C	S	R	D
Indiana QSO Party	QSO	7	1-May	1600	C	S		
Delaware QSO Party	QSO	7	1-May	1700	C	S	R	D
New England QSO Party	QSO	7	1-May	2000	C	S	R	D
Arkansas QSO Party	QSO	7	8-May	1400	C	S	R	
CQ WW WPX Contest, CW	Major	10	29-May	0			R	
Kentucky QSO Party	QSO	7		1400	C	S	R	D
ARRL June VHF Contest	Major	10	12-Jun	1800	C	S	R	D
Stew Perry Top-band Challenge	Major	10	19-Jun	1500	C			
West Virginia QSO Party	QSO	7	20-Jun	1600	C	S	R	D
RAC Canada Day Contest	DX	5	1-Jul	0	C	S		
DL-DX RTTY Contest	DX	5	3-Jul	1100			R	
Marconi Memorial HF Contest	DX	5	3-Jul	1400	C			
IARU HF World Championship	Major	10	10-Jul	1200	C	S		
CQ WW VHF Contest	Major	10	17-Jul	1800	C	S	R	D

Frequent Contester Program - Approved Contests
2021 Schedule

Contest	Type	Weight	Date	Time	CW	SSB	RTTY	Other Digital
NA QSO Party, RTTY	Major	10	17-Jul	1800			R	
RSGB IOTA Contest	DX	5	24-Jul	1200	C	S		
NA QSO Party, CW	Major	10	21-Aug	1800	C			
WAE DX Contest. CW	Major	10	14-Aug	0	C			
Maryland-DC QSO Party	QSO	7	14-Aug	1400	C	S	R	
NA QSO Party, SS8	Major	10	21-Aug	1800		S		
Hawaii QSO Party	QSO	7	28-Aug	400	C	S	R	D
Ohio QSO Party	QSO	7	28-Aug	1400	C	S		
WW Digi DX Contest	Major	10	28-Aug	1200				D
Kansas QSO Party	QSO	7	28-Aug	1400	C	S	R	D
All Asian DX Contest, Phone	DX	5	4-Sep	0	C			
CWOps CW Open	DX	5	4-Sep	0	C			
Colorado QSO Party	QSO	7	4-Sep	1300	C	S	R	
Nebraska QSO Party	QSO	7	4-Sep	1300	C	S		D
Tennessee QSO Party	QSO	7	4-Sep	1800	C	S	R	D
WAE DX Contest. SS8	Major	10	11-Sep	0		S		
Texas QSO Party	QSO	7	11-Sep	1400	C	S	R	D
Alabama QSO Party	QSO	7	11-Sep	1900	C	S		
ARRL September VHF Contest	Major	10	11-Sep	1800	C	S	R	D
North American Sprint. CW	Major	10	12-Sep	0	C			
Iowa QSO Party	QSO	7	18-Sep	1400	C	S	R	D
New Hampshire QSO Party	QSO	7	18-Sep	1400	C	S	R	D
New Jersey QSO Party	QSO	7	18-Sep	1400	C	S		
Washington State Salmon Run	QSO	7	18-Sep	1400	C	S	R	D
North American Sprint, RTTY	Major	10	19-Sep	0			R	
CQ WW DX Contest, RTTY	Major	10	25-Sep	0			R	
Maine QSO Party	QSO	7	25-Sep	1200	C	S		
Oceania DX Contest, Phone	DX	5	2-Oct	800		S		
California QSO Party	QSO	7	2-Oct	1400	C	S		
Makrothen RTTY Contest	DX	5	9-Oct	0			R	
Nevada QSO Party	QSO	7	9-Oct	300	C	S	R	D
Oceania DX Contest CW	DX	5	9-Oct	800	C			
Arizona QSO Party	QSO	7	9-Oct	1400	C	S	R	
Pennsylvania QSO Party	QSO	7	9-Oct	1400	C	S	R	D
New York QSO Party	QSO	7	16-Oct	1400	C	S	R	D
Worked All Germany Contest	Major	10	16-Oct	1900	C	S		
Stew Perry Top-band Challenge	Major	10	16-Oct	1900	C			
Illinois QSO Party	QSO	7	16-Oct	1700	C	S	R	D
CQ WW DX Contest. SS8	Major	10	30-Oct	0		S		
North American Sprint, SSB	Major	10	1-Nov	0		S		
ARRL Sweepstakes Contest, CW	Major	10	7-Nov	2100	C			
WAE DX Contest. RTTY	Major	10	14-Nov	0	R			
12 DX Contest	DX	5	21-Nov	1200	C	S		
ARRL Sweepstakes Contest, SS8	Major	10	21-Nov	2100	S			
CQ WW DX Contest, CW	Major	10	28-Nov	0	C			
ARRL 160 Meter Contest	Major	10	3-Dec	2200	C	S		
FT Roundup	Major	10	4-Dec	1800	D			
ARRL 10 Meter Contest	Major	10	11-Dec	0	C	S		
RAC Winter Contest	DX	5	25-Dec	0	C	S		
Stew Perry Top-band Challenge	Major	10	24-Dec	1900	C			
Contest totals	102							