

Results of the 2021 CQWW RTTY DX Contest

BY CHRIS TATE,* N6WM & ED MUNS,# W0YK

Two years of pandemic-related cancelled efforts, restricted travel rules reducing contest expedition potential, and rapid-track remote solution deployment in stations around the world finally began to change the operating landscape in the 2021 CQ World Wide RTTY DX Contest. Some well-known multi-operator stations were able to safely staff up while remote operations that were experimental before have become more robust and their operators more experienced. This was complemented with the first hints of improving propagation due to the emergence of Solar Cycle 25, which provided for an interesting competition that was transitional in nature. Note, I do an overall look at some races as part of the story; however, please check the line scores on page X for complete results as there are regional triumphs and challenges that are worth the look. With that said, let's delve into the 2021 running of the CQWW RTTY DX contest.

Single-Operator, All-Band Categories

ZF1A (op. W9KKN) once again has taken the trophy in the Unassisted High-Power category. Bill ran into some problems with amplifiers as well as some sleep deprivation challenges during his remote operation from the Silicon Valley into Grand Cayman but managed to stay on top of the overall competition. Randy, K5ZD, turned in another star performance and really closed the gap with ZF1A in the final results compared to claimed scores to take the top U.S. position. I recommend reading Bill's writeup on 3830 scores, particularly his comments about the online scoreboard <<https://tinyurl.com/3jz4ccfn>>. Real-time score tracking is with us now should we choose to use it, and we are all working on finding out ways to have it benefit our operations and understand how it can provide challenges as well.

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Krzysztof, SP7GIQ, took the Assisted High-Power trophy as SN7Q, and Bud, AA3B, continued his streak of contesting excellence with a very respectable overall score and top North American spot and second overall.

The Low-Power, All-Band competition is a great battleground and often gets a bit of a kick with some enhanced upper band propagation. Yuri, VE3DZ, put his amazing antenna farm to use as XM7T, taking the unassisted trophy. In the assisted category, CR6K (Filipe, CT1ILT) really cleaned house noting a very hot 15-meter band, something many operators echoed. TM3Z (F4DSK) was not terribly far behind. Dimitri raved about the meal trays he was provided during his adventure in the Low Power Assisted category, even stating it gave new meaning to the assisted category.

K2YG took the trophy for Unassisted All-Band QRP category from New Jersey, and YU1A, a QRP contesting enthusiast, took the top spot in Assisted.

Single-Operator Single-Band Categories

Single-Operator, Single-Band categories have become serious competition for many, and many well-known

operators have gravitated to these competitions that put razor focus on a single band from open to close, and many others taking on these categories for fun. With both assisted and unassisted for each band, as well as three power levels, there is lots of action out there! Check the line scores for complete coverage.

Multi-Operator Single Transmitter

This category always has fierce competition with the top entrants producing huge scores. The notable performance here in the High-Power category was the six-operator contest group from Slovakia, the CR3DX team who comfortably sits on top by more than 3 million points ahead of the next highest-scoring challenger. In the Low-Power category, the trophy was won by an extremely narrow margin by NP3DX, rising above some challenges with a remote operation from Puerto Rico. Congrats to the team of Alfredo, WP3C; Paul, WP3TT; and Gary, W2VQ.

Multi-Operator Two Transmitter

There was an exciting horse race on each side of the Atlantic as the five-person Netherlands team PI4COM edged

TOP SCORES IN VERY ACTIVE ZONES

<p>Zone 3</p> <p>W7RN (WK6I).....2,367,780 KU1CW1,335,438 AJ6V673,010 *AK6A.....466,100 W7YAQ415,576</p>	<p>Zone 14</p> <p>LC3A (LB8IB)2,935,862 HB9TOC1,557,336 *ON5GQ968,436 ON6MX.....878,576 OZ9GA842,710</p>	<p>Zone 20</p> <p>LZ5R (LZ5DB).....1,227,954 4Z5LY1,191,396 YP0C977,637 *P3AA (RN3QO).....881,778 *TA7I654,081</p>
<p>Zone 4</p> <p>AC0C2,718,308 *XM3T (VE3DZ) ..2,333,760 AG4W1,421,625 N8BJQ931,381 VE6BBP851,070</p>	<p>Zone 15</p> <p>SO9I (SQ9ORQ) .3,102,540 OK2SFP1,105,188 IV3SKB878,080 OK7W (OK1CID)722,102 *OE2E (OE2GEN) ..660,222</p>	<p>Zone 25</p> <p>*JS1OYN639,111 *JI1RXQ607,590 JH7QXJ607,476 JA1OVD570,713 HL2WA481,459</p>
<p>Zone 5</p> <p>K5ZD4,002,182 K2ZW (JO1RUR).3,168,650 W4GO1,836,570 *KU2M1,634,232 W3LL1,438,950</p>	<p>Zone 16</p> <p>EM0I (UT2IZ).....2,808,450 *UY5VA905,170 *UT5EPP759,696 EU4E752,332 EW8DX.....706,256</p>	<p>*Low Power</p>

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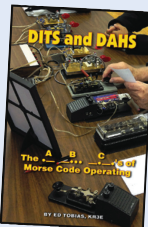
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2021 CQWW RTTY TROPHY WINNERS AND DONORS

SINGLE OPERATOR HIGH POWER

World: Sponsored by Yankee Clipper Contest Club, Winner: **ZF1A** (op: Bill Fehring, W9KKN)

New Cayman Islands Record

Europe: Sponsored by ARI – Italian Radioamateur Association in memory of Franco Fanti, I4LCF, Winner: **SO9I** (op: Przemyslaw Balcerzak, SQ9ORQ)

North America: Sponsored by Dick Wilson, K6LRN & Carolyn Wilson, K6TKD, Winner: **Robby Robertson, HP3SS**

USA: Sponsored by Kevin Rowett, K6TD, Winner: **Randy Thompson, K5ZD**

USA – 7th Call Area: Sponsored by Hank Lonberg, KR7X, Winner: **W7RN** (op: Jeff Stai, WK6I)

South America: Sponsored by John Lockhart, W0DC, Winner: **ZX2B** (op: Wanderly Ferreira Gomes, PY2MNL)

Asia: Sponsored by Hajime Kato, JO1RUR, Winner: **Yuri Kurinyi, RG9A**

Japan: Sponsored by Hajime Kato, JO1RUR, Winner: **Koetsu Sato, JH7QXJ**

SINGLE OPERATOR LOW POWER

World: Sponsored by Rich Cady, N1XF, Winner: **XM3T** (op: Yuri Onipko, VE3DZ)

Europe: Sponsored by Jeff Demers, N1SNB, Winner: **Bernard Backaert, ON5GQ**

USA: Sponsored by Kevin Rowett, K6TD, Winner: **Peter Bizlewicz, KU2M** *New W2 Record*

SINGLE OPERATOR QRP

World: Sponsored by Kevin der Kinderen, N4TT, Winner: **Dave Barr, K2YG**

USA / Canada / Mexico High Score: Sponsored by Kevin der Kinderen, N4TT, Winner: **W6QU** (op: Bill Parker, W8QZA)

SINGLE OPERATOR ASSISTED HIGH POWER

World: Sponsored by IGRY – Interest Group RTTY, Winner: **SN7Q** (op: Krzysztof Sobon, SP7GIQ)

New Poland Record

Europe: Sponsored by Dimitri Cosson, F4DSK, Winner: **9A5Y** (op. Vedran Carapovic, 9A7DX)

New Croatia Record

North America: Sponsored by John Webster, NN1SS, Winner: **Alan Fields, KP4/K6DTT** *New Puerto Rico Record*

USA: Sponsored by Bud Governale, W3LL, Winner: **Bud Trench, AA3B**

Asia: Sponsored by Lakshman "Lucky" Bijanki, VU2LBW, Winner: **Masa Okano, JH4UYB**

SINGLE OPERATOR ASSISTED LOW POWER

World: Sponsored by Jim Barron, WB5AAA, Winner: **CR6K** (op: Filipe Lopes, CT1ILT) *New Portugal Record*

Europe: Sponsored by Pat Moyer, W3RGA, Winner: **TM3Z** (op: Dimitri Cosson, F4DSK) *New France Record*

South America: Sponsored by Pat Moyer, W3RGA, Winner: **Marco Hardmeier, PY7ZC**

SINGLE OPERATOR SINGLE BAND

World 28 MHz Assisted High Power: Sponsored by Los Idóneos, Winner: **Daniel Bernal, LU1DX**

World 21 MHz High Power: Sponsored by Steve "Sid" Caesar, NH7C, Winner: **CR6T** (op: Antonio Rui Sousa Santos, CT1ESV) *New Portugal Record*

World 21 MHz Assisted High Power: Sponsored by Los Idóneos, Winner: **LO5D** (op: Manu Siebert, LU9ESD)

World 14 MHz High Power: Sponsored by Standa Kostal, OK7W, Winner: **Victor Petcherkin, N8OO**

New W5 Record

North America 14 MHz Low Power: Sponsored by Patrick W. Soileau, ND5C, Winner: **Amed Santana Gonzalez, CO2AME** *New NA Record*

World 7 MHz High Power: Sponsored by John Webster, NN1SS, Winner: **OK7W** (op: Stanislav Kostal, OK1CID)

New World Record

Europe 7 MHz Low Power: Sponsored by John Webster, NN1SS, Winner: **OK6T** (op: Martin Bohadlo, OK1WCF)

New Europe Record

OVERLAY CATEGORY

Rookie – Europe: Sponsored by Bavarian Contest Club, Winner: **Jose Antonio Montero, EA4HKF**

MULTI-OPERATOR, SINGLE-TRANSMITTER HIGH POWER

World: Sponsored by PL259 Contest Club courtesy of K6TD, Winner: **CR3DX** (ops: CT3DZ, CT3EN, CT9ABN)

USA: Sponsored by Neal Campbell, K3NC, Winner: **NV9L** (ops: NV9L, WB9Z) *New W9 Record*

Africa: Sponsored by Bavarian Contest Club, Winner: **Not Awarded this year** (No other Africa MS entrant this contest)

MULTI-OPERATOR, SINGLE-TRANSMITTER LOW POWER

USA: Sponsored by 599 DX Association, Winner: **WW4LL** (ops: NN9DD, WW4LL)

MULTI-OPERATOR, MULTI-TWO

World: Sponsored by Ed Muns, W0YK, Winner: **PI4COM** (ops: PA3BWD, PA1CC, PA1AW, PA3EWP, PD4RD) *New Netherlands Record*

MULTI-OPERATOR, MULTI-TRANSMITTER

World: Sponsored by Mike Trowbridge, KA4RRU, Winner: **9A1A** (ops: 9A5W, 9A9A, 9A6A, 9A5E, 9A7R, 9A7C, 9A7PP, 9A7AS, 9A6D)

North America: Sponsored by Kevin Rowett, K6TD, Winner: **Not Awarded this year** (No non-USA/Canada MM entrant this contest)

USA: Sponsored by Brian Moran, N9ADG, Winner: **K1SFA@K1TTT** (ops: K1MK, K1NZ, K1SFA, K1TTT, K2IW, W1TO, WT2P, W3MLJ)

USA – Zone 3 High Score: Sponsored by Livermore Amateur Radio Group Endeavors (K6LRG), Winner: **N6WM@N6RO** (ops: N6WM, N6WM, K6AW, WD6T, WX5S, NT6V, W6DMW)

CLUB COMPETITION

World: Sponsored by Potomac Valley Radio Club, Winner: **Bavarian Contest Club**

USA: Sponsored by Northern California Contest Club, Winner: **Potomac Valley Radio Club**

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out the well-established K9CT station for the top spot overall by a relatively tight margin. But Craig and his team at K9CT enjoyed taking the top spot in the U.S. as the second-place finishers in the World. Craig has been very supportive of getting college-age operators involved in contesting. In this contest, he had Connor, KD9LSV, an electrical engineering stu-

dent at Bradley University (and president of their AR club) as a guest operator. I am sure Connor learned a lot with the K9CT team and now has a U.S. win to commemorate the occasion. The NJ4P team was not far behind K9CT. Looks like some good competitions are in store in the future for these two stations.

TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER ALL BAND ZF1A (W9KKN).....4,572,413 K5ZD.....4,002,182 K2ZW (JO1RUR).....3,168,650 SO9I (SQ9ORQ).....3,102,540 ZX2B (PY2MNL).....3,003,495 28 MHz W5PR.....10,200 EA8DED (OH2BP).....5,880 K4WI.....2,938 21 MHz CR6T (CT1ESV).....646,850 CV7S (CX7SS).....551,645 ED7O (EA7EU).....513,450 14 MHz N8OO.....649,412 UR7GO.....420,660 IT9STX.....324,896 7 MHz OK7W (OK1CID).....722,102 YU7XX (YT1X).....621,092 G8X (G4FJK).....406,318 3.5 MHz I4AVG.....155,511 S53X.....145,137 M5K (MI0SLE).....134,805 LOW POWER ALL BAND XM3T (VE3DZ).....2,333,760 KU2M.....1,634,232 PZ5RA.....1,280,777 OA4AI.....1,053,744 CX2DK.....1,039,711 28 MHz LT7F (LU6FOV).....44,156 CX2AQ.....41,634 AY8A (LU8ADX).....22,713 21 MHz PY2CX.....263,736 HC1JQ.....154,819 CB3R (XQ3SK).....136,320 14 MHz S5030XX (S50XX).....346,281 CO2AME.....302,321 YV4ABR.....269,376 7 MHz OK6T (OK1WCF).....344,733 DM6DX.....317,628 4Z5UN.....255,024 3.5 MHz DF1MM.....86,850 F5BEG.....78,795 OM3ZWA.....72,600 SINGLE OPERATOR QRP ALL BAND K2YG.....302,365 RN6A.....245,916 OK7CM.....221,914 EA1GT.....151,767 YC0VM.....138,502 21 MHz UA3QJ.....58,996 R7RBE.....56,163 JE1CAC.....15,989 14 MHz HI3AA.....32,042 YU1RH.....26,880 UX4CR.....15,552 7 MHz YL3FW.....49,284 LY5G.....38,982 SV3BP.....21,373 3.5 MHz ON3DI.....33,176 SN0E (SO8OO).....11,685 ASSISTED HIGH POWER ALL BAND SN7Q (SP7GIQ).....5,815,370 AA3B.....5,007,654 9A5Y (9A7DX).....4,986,465 OM5ZW.....4,918,980 IK2YCW (IT9RGY).....4,768,126 KM2YV (IT9RGY).....4,768,126	28 MHz LU1DX.....64,170 E79Q.....25,410 IT9XTP.....6,358 21 MHz LO5D (LUGESD).....426,030 HA1SN.....406,203 IK2TDM.....354,477 14 MHz 9A5D (9A3ID).....880,393 YT3X.....816,525 HG1S (HA1DAE).....814,905 7 MHz IN3VVK.....696,960 IW1QN.....501,952 F6AGM.....497,336 3.5 MHz OL7R.....236,680 IV3TMV.....174,840 HA1JT.....159,669 ASSISTED LOW POWER ALL BAND CR6K (CT1ILT).....4,073,552 TM3Z (F4DSK).....3,660,079 RG5A.....2,281,284 UW6E (UR6EA).....1,656,449 UT4LW.....1,487,200 28 MHz IT9RBW.....7,791 DW3CVM.....2,422 VK4FJ.....1,380 BD7KSF.....1,350 21 MHz EA1ACP.....193,129 9G5FI (DL2RMC).....181,478 EA8CNR.....143,080 14 MHz GM9A (GM4FDM).....239,478 IZ8EFD.....216,801 4X6FR.....168,609 7 MHz G1N (G0URR).....184,860 TM7Y (F8BDQ).....170,126 K9OM.....167,316 3.5 MHz EA3CI.....68,526 IK2XDE.....65,554 ON4TTT.....48,776 SINGLE OPERATOR QRP ASSISTED ALL BAND YU1A (YU1LM).....237,978 DL6ZBN.....204,750 JA4XHF/3.....106,132 PE2K.....97,350 PC2F.....77,322 21 MHz 5H1IP (HA3JB).....65,650 IZ3NVR.....20,748 HA3HX.....19,389 14 MHz F4GGQ.....182,905 JG1LFR.....22,242 G4ENZ.....21,672 7 MHz SP4TKR.....55,074 KQJP.....3,040 IZ2QKG.....1,992 3.5 MHz F1AKK.....42,245 OK1HMP.....15,781 G5Q (G3SVL).....5,960 MULTI-OPERATOR SINGLE TRANSMITTER HIGH POWER CR3DX.....9,826,882 IQ4FC.....6,558,232 E17M.....5,416,624 OK5Z.....4,893,495 HG7T.....4,555,187 MULTI-OPERATOR SINGLE TRANSMITTER LOW POWER NP4DX.....3,448,858	28 MHz IT9BLB.....3,419,808 ED7B.....3,249,180 DD1A.....2,150,280 C5SCE.....2,077,201 MULTI-OPERATOR TWO TRANSMITTER PI4COM.....6,491,463 K9CT.....6,007,650 S5OW.....5,399,367 S51A.....4,181,400 NJ4P.....3,962,750 MULTI-OPERATOR MULTI-TRANSMITTER 9A1A.....10,038,617 CR3W.....8,612,476 K1SFA.....6,542,960 DP7D.....6,458,526 PI4CC.....5,188,967 UNITED STATES SINGLE OPERATOR HIGH POWER ALL BAND K5ZD.....4,002,182 K2ZW (JO1RUR).....3,168,650 AC0C.....2,718,308 W7RN (WK6I).....2,367,780 W4GO.....1,836,570 28 MHz W5PR.....10,200 K4WI.....2,938 21 MHz AA8R.....156,016 14 MHz N8OO.....649,412 NB2P.....303,955 W1IE.....135,708 7 MHz N5ZM.....127,332 WA3AAN.....115,168 AD4TJ.....56,300 3.5 MHz K3GP.....52,186 K4EA.....27,492 N0OK.....22,695 LOW POWER ALL BAND KU2M.....1,634,232 KM6Z.....565,378 W3RGA.....478,762 N0UR.....469,035 AK6A.....466,100 21 MHz KE3ZT.....3,990 KJ6BWB.....3,212 N5AW/O.....2,508 14 MHz W4LC.....107,848 K6GHA.....93,184 W6HGF.....55,432 7 MHz WA3FAE.....61,050 K9WX.....49,878 KEOL.....36,385 WB8JUI.....36,360 3.5 MHz WK9U.....30,800 W8WTS.....2,080 SINGLE OPERATOR QRP ALL BAND K2YG.....302,365 W6QU (W8QZA).....93,654 AA8OY.....84,527 K9VIC.....40,040 N7RCS.....27,999 21 MHz WE6EZ.....15,264 KD9MS.....14,625 7 MHz W1IG.....2,812 W2VTV.....2,730 ASSISTED HIGH POWER ALL BAND AA3B.....5,007,654 K3MH.....4,149,301	N3QE2,414,150 W3FIZ2,212,677 W3FV1,994,388 21 MHz N7AT (K8IA).....169,741 K2PAL.....93,888 W0NA/4 (W4RN).....22,776 14 MHz WJ2D.....398,496 W9ILY.....258,570 N7BV.....162,925 7 MHz NA3M.....258,648 W0GJ.....193,430 N4SVC (N2CEI).....160,660 ASSISTED LOW POWER ALL BAND NA4DA.....681,152 W0WJ.....491,889 W1ARY.....464,548 KE2D.....444,822 W3MAM.....392,173 14 MHz WS7I.....46,417 NK5G.....28,350 WM6Y.....27,075 7 MHz K9OM.....167,316 K9EL.....9,782 3.5 MHz AB9YC.....28,044 WA1FCN.....22,940 SINGLE OPERATOR QRP ASSISTED ALL BAND K8ZT.....8,190 21 MHz KK0U.....8,550 K3TW.....1,998 7 MHz K0JP.....3,040 MULTI-OPERATOR SINGLE TRANSMITTER HIGH POWER NV9L.....2,953,104 K9RS.....2,774,190 AD4ES.....2,181,270 NA7TB.....1,956,771 NA5NN.....1,938,608 MULTI-OPERATOR SINGLE TRANSMITTER LOW POWER WW4LL.....1,526,096 W1QK.....1,098,846 K9NR.....937,335 N9SJ.....278,300 KT3T.....176,436 MULTI-OPERATOR TWO TRANSMITTER K9CT.....6,007,650 NJ4P.....3,962,750 W0YK.....2,432,905 W0LSD.....2,335,073 N3DPB.....1,352,078 MULTI-OPERATOR MULTI-TRANSMITTER K1SFA.....6,542,960 W3GH.....3,127,210 N6WM.....3,002,230 EUROPE SINGLE OPERATOR HIGH POWER ALL BAND SO9I (SQ9ORQ).....3,102,540 LC3A (LB8IB).....2,935,862 EM0I (UT2IZ).....2,808,450 HB9TOC.....1,557,336 LZ5R (LZ5DB).....1,227,954 28 MHz E79Q.....25,410 IT9XTP.....6,358 TM5J (F5TMJ).....3,290 21 MHz HA1SN.....406,203 IK2TDM.....354,477 TK5MH.....343,070 14 MHz 9A5D (9A3ID).....880,393 YT3X.....816,525 HG1S (HA1DAE).....814,905 28 MHz IZ4REF.....1,210 21 MHz CR6T (CT1ESV).....646,850 ED7O (EA7EU).....513,450 YU1UN.....468,720	14 MHz UR7GO.....420,660 IT9STX.....324,896 IK4GNI.....295,960 7 MHz OK7W (OK1CID).....722,102 YU7XX (YT1X).....621,092 G8X 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BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs, Countries, Zones, US/VE on each band

WORLD					USA						
TOP SINGLE OPERATOR ALL BAND					SINGLE OPERATOR ALL BAND						
Station	80	40	20	15	10	Station	80	40	20	15	10
ZF1A	339/13/42/47	1020/24/65/54	1020/24/63/54	1092/26/69/55	16/8/10/3	K5ZD	396/13/47/46	770/21/62/50	1161/30/85/47	838/25/77/24	14/4/5/2
K5ZD	396/13/47/46	770/21/62/50	1161/30/85/47	838/25/77/24	14/4/5/2	K2ZW	340/13/45/42	634/19/63/47	1050/24/66/46	655/24/75/27	11/3/5/0
K2ZW	340/13/45/42	634/19/63/47	1050/24/66/46	655/24/75/27	11/3/5/0	AC0C	327/11/30/47	765/25/63/51	1001/27/76/49	536/21/72/29	11/3/4/0
SO9I	380/10/47/15	785/19/59/45	975/26/75/52	479/28/59/42	23/8/13/0	W7RN	331/15/16/47	767/24/54/51	1160/28/66/54	476/20/49/35	3/2/2/2
ZX2B	26/6/5/18	319/20/50/41	581/21/51/50	854/23/70/50	285/16/52/28	W4GO	294/13/22/44	630/18/58/50	589/20/61/36	438/19/68/18	7/3/4/1
SINGLE OPERATOR ASSISTED ALL BAND					SINGLE OPERATOR ASSISTED ALL BAND						
SN7Q	567/15/57/27	852/27/80/47	1341/33/92/55	882/34/88/49	50/10/24/0	AA3B	517/14/53/50	927/24/81/53	1130/31/90/51	810/27/88/33	28/8/9/6
AA3B	517/14/53/50	927/24/81/53	1130/31/90/51	810/27/88/33	28/8/9/6	K3MM	340/16/53/51	791/26/83/49	945/31/89/48	741/24/83/30	29/10/12/6
9A5Y	465/14/63/22	879/30/90/46	1083/29/86/52	804/34/93/51	42/10/23/0	N3QE	331/15/50/50	634/21/73/50	639/24/74/49	444/20/74/20	9/3/4/3
OM5ZW	360/13/53/20	923/31/87/52	1108/35/91/54	708/33/87/52	50/7/23/0	W3FIZ	207/10/38/45	408/23/73/47	654/29/84/46	461/24/81/18	9/5/3/3
IK2YCW	425/15/61/25	887/29/90/50	1038/34/98/54	624/34/83/43	31/11/19/0	W3FV	219/11/39/44	395/22/66/46	515/29/80/36	451/22/77/21	26/9/9/10
MULTI-OPERATOR SINGLE TRANSMITTER					MULTI-OPERATOR SINGLE TRANSMITTER						
CR3DX	367/18/64/43	1062/31/93/53	1408/33/98/57	1488/34/100/54	132/16/54/6	NV9L	325/16/42/50	553/28/79/51	805/29/75/44	565/26/83/27	13/6/6/2
IQ4FC	385/17/63/32	1208/32/96/54	1222/34/101/55	870/35/95/53	41/16/29/0	K9RS	239/13/48/49	507/27/82/50	707/33/86/44	612/29/83/24	16/7/9/5
EI7M	291/18/64/38	632/29/91/53	1410/33/96/56	812/32/90/53	36/11/23/1	AD4ES	153/9/20/38	577/22/59/43	867/24/69/50	595/23/68/25	17/8/9/3
OK5Z	341/15/63/30	850/33/93/50	1012/34/102/57	658/34/96/52	40/10/26/0	NA7TB	198/16/30/49	789/30/77/52	828/30/79/53	171/24/57/22	6/4/5/1
HG7T	325/13/58/16	874/29/87/45	1193/34/100/56	527/35/96/37	19/12/19/0	NA5NN	164/13/29/47	547/22/70/51	707/26/78/52	373/22/74/26	22/8/9/5
MULTI-OPERATOR TWO TRANSMITTER					MULTI-OPERATOR TWO TRANSMITTER						
PI4COM	529/15/65/29	1047/31/95/54	1239/34/103/55	904/30/86/53	67/9/28/0	K9CT	586/19/57/52	1238/29/83/53	1453/32/96/56	862/27/91/42	36/8/8/9
K9CT	586/19/57/52	1238/29/83/53	1453/32/96/56	862/27/91/42	36/8/8/9	NJ4P	425/12/35/48	907/27/81/53	1059/31/85/54	713/27/87/38	46/9/12/6
S50W	502/14/60/19	1190/27/82/51	1167/32/87/57	801/33/77/48	37/9/21/0	W0YK	242/14/14/43	868/27/62/52	909/30/79/49	549/25/58/35	6/1/1/1
S51A	518/13/59/16	1133/27/86/46	989/31/88/51	501/34/85/48	14/6/10/0	W0LSD	276/14/27/47	786/29/78/52	852/28/81/54	326/20/66/25	14/5/6/1
NJ4P	425/12/35/48	907/27/81/53	1059/31/85/54	713/27/87/38	46/9/12/6	N3DPB	236/12/39/44	315/19/65/43	393/28/76/42	340/22/72/21	14/4/5/2
MULTI-OPERATOR MULTI-TRANSMITTER					MULTI-OPERATOR MULTI-TRANSMITTER						
9A1A	950/20/73/37	1787/33/102/52	1491/35/104/57	1240/36/102/55	88/12/33/0	K1SFA	659/18/61/52	1096/25/81/55	1468/33/94/53	1005/30/92/43	97/10/14/19
CR3W	504/14/57/40	1172/28/82/48	1489/26/74/53	1456/30/90/51	69/13/34/1	W3GH	409/15/36/48	896/26/76/50	929/28/80/48	587/24/78/21	15/6/7/2
K1SFA	659/18/61/52	1096/25/81/55	1468/33/94/53	1005/30/92/43	97/10/14/19	N6WM	324/16/27/52	885/29/79/53	847/30/75/51	742/28/70/40	5/3/2/2
DP7D	606/16/64/25	1336/31/91/51	1216/35/91/55	792/32/89/52	67/10/27/0						
PI4CC	560/13/59/21	1393/30/90/50	1105/32/91/51	495/29/80/44	71/8/25/0						

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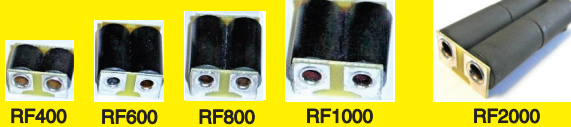


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Multi-Operator Multi Transmitter

A large team of Croatian operators staffed the 9A1A station, returning to its traditional Multi-Op operation after an extended absence during the pandemic. They managed a solid performance that put them on top of the pack in this category that also usually comes with fun, camaraderie, and sometimes good food. A seven-operator team of Germans headed to Madeira Island and activated CR3W with another solid performance and finishing second. The K1SFA team at the K1TTT station produced the top U.S. effort with a great performance from the East Coast of the U.S. It was great to see so many folks back in the shack doing Multi-Multi operations. Multi-Op contesting is always close to the author's heart as team N6WM operated the N6RO superstation in the east San Francisco Bay area, turning in a decent performance from this geographically challenging region. Congratulations to all the Multi-op teams for their participation.

Club Competition

As a former president and contest chair for the Northern California Contest Club (NCCC), I had the opportunity to champion major club competitions in the past.

EUROPE					
SINGLE OPERATOR ALL BAND					
Station	80	40	20	15	10
SO9I	380/10/47/15	785/19/59/45	975/26/75/52	479/28/59/42	23/8/13/0
LC3A	269/9/41/10	610/26/70/38	1008/27/70/52	577/28/69/42	0/0/0/0
EM0I	179/9/44/3	645/20/67/39	1238/29/79/53	528/30/69/28	2/2/2/0
HB9TOC	298/10/43/15	503/18/63/39	583/19/58/47	226/19/44/33	0/0/0/0
LZ5R	0/0/0/0	379/22/55/24	728/25/58/46	412/27/51/38	0/0/0/0
SINGLE OPERATOR ASSISTED ALL BAND					
SN7Q	567/15/57/27	852/27/80/47	1341/33/92/55	882/34/88/49	50/10/24/0
9A5Y	465/14/63/22	879/30/90/46	1083/29/86/52	804/34/93/51	42/10/23/0
OM5ZW	360/13/53/20	923/31/87/52	1108/35/91/54	708/33/87/52	50/7/23/0
IK2YCW	425/15/61/25	887/29/90/50	1038/34/98/54	624/34/83/43	31/11/19/0
UW1M	334/11/52/11	932/26/81/43	1431/33/92/55	675/29/86/29	24/9/20/0
MULTI-OPERATOR SINGLE TRANSMITTER					
IQ4FC	385/17/63/32	1208/32/96/54	1222/34/101/55	870/35/95/53	41/16/29/0
E17M	291/18/64/38	632/29/91/53	1410/33/96/56	812/32/90/53	36/11/23/1
OK5Z	341/15/63/30	850/33/93/50	1012/34/102/57	658/34/96/52	40/10/26/0
HG7T	325/13/58/16	874/29/87/45	1193/34/100/56	527/35/96/37	19/12/19/0
SO4M	144/15/63/21	805/33/96/50	1115/34/105/55	590/34/95/48	9/5/9/0
MULTI-OPERATOR TWO TRANSMITTER					
PI4COM	529/15/65/29	1047/31/95/54	1239/34/103/55	904/30/86/53	67/9/28/0
S5OW	502/14/60/19	1190/27/82/51	1167/32/87/57	801/33/77/48	37/9/21/0
S51A	518/13/59/16	1133/27/86/46	989/31/88/51	501/34/85/48	14/6/10/0
UA4M	202/13/44/2	782/29/83/35	1323/35/95/49	885/29/83/30	9/7/7/0
UW5Y	325/11/55/6	824/30/86/48	994/30/81/55	499/31/70/46	13/6/7/0
MULTI-OPERATOR MULTI-TRANSMITTER					
9A1A	950/20/73/37	1787/33/102/52	1491/35/104/57	1240/36/102/55	88/12/33/0
DP7D	606/16/64/25	1336/31/91/51	1216/35/91/55	792/32/89/52	67/10/27/0
PI4CC	560/13/59/21	1393/30/90/50	1105/32/91/51	495/29/80/44	71/8/25/0
UZ2I	361/12/56/3	868/29/87/36	1183/31/92/51	632/31/81/27	15/7/12/0
SP9KAO	0/0/0/0	77/4/25/0	127/13/26/8	0/0/0/0	0/0/0/0

*Low Power

One of the key metrics of success is the number of logs submitted, and that is true in this case as well. In Europe and overall, the Bavarian Contest Club took the trophy, with 125 logs submitted, which was 30 more logs than the second-place finishers at the Italian Contest Club. In the U.S., the Potomac Valley Radio Club took the trophy and had the most logs at 85 entrants, far more than the 47 logs submitted by second place Frankford Radio Club.

Notes From the CQWW RTTY Management Team

Winning a plaque in a CQWW contest is a great achievement, and often are some of the most coveted awards that one can hang on their shack wall. The opportunity to sponsor plaques is available and can be a great way to establish regional excellence or recognize a particular annual competition. We would like to encourage you to review the plaques awarded in this competition and reach out to the management team if you would like to sponsor one in the future.

We need photos of your efforts. A picture speaks a thousand words, and really enhance our coverage of this major worldwide RTTY competition. Please keep that in mind as your roll into these contests. Pictures of operators or teams of operators are the best. Send us yours for a chance to get it published in CQ magazine!

On behalf of the CQWW RTTY management team: Ed WØYK; Rich, N1IXF; and Chris, N6WM, we would like to congratulate all participants. We hope you had a great time, and look forward to the fun, camaraderie, and competition in the next running of the CQWW RTTY DX contest on September 24-25, 2022.

– Chris, N6WM

(Scores on page 101)

CLUB SCORES

UNITED STATES

Club	# Entrants	Score
POTOMAC VALLEY RADIO CLUB	85	42,525,469
FRANKFORD RADIO CLUB	47	38,134,928
SOCIETY OF MIDWEST CONTESTERS	59	30,838,265
NORTHERN CALIFORNIA CONTEST CLUB	60	28,690,022
YANKEE CLIPPER CONTEST CLUB	31	21,833,340
ARIZONA OUTLAWS CONTEST CLUB	27	15,790,326
FLORIDA CONTEST GROUP	20	9,657,999
WILLAMETTE VALLEY DX CLUB	24	7,020,545
MINNESOTA WIRELESS ASSN	26	6,017,176
DEEP DIXIE CONTEST CLUB	4	5,800,244
KENTUCKY CONTEST GROUP	12	5,795,494
WESTERN WASHINGTON DX CLUB	25	4,859,766
TENNESSEE CONTEST GROUP	16	4,033,018
KANSAS CITY CONTEST CLUB	8	3,898,363
SWAMP FOX CONTEST GROUP	11	3,829,939
CENTRAL TEXAS DX AND CONTEST CLUB	6	3,724,445
DFW CONTEST GROUP	14	3,646,429
GRAND MESA CONTESTERS OF COLORADO	9	3,570,450
ORDER OF BOILED OWLS OF NEW YORK	6	3,438,506
NORTH COAST CONTESTERS	9	2,851,959
SOUTH EAST CONTEST CLUB	9	2,577,594
NE MARYLAND AMATEUR RADIO CONTEST SOCIETY	14	2,412,310
ALABAMA CONTEST GROUP	12	2,156,214
SOUTHERN CALIFORNIA CONTEST CLUB	16	1,963,844
NIAGARA FRONTIER RADIOSPORT	8	1,844,612
CAROLINA DX ASSOCIATION	9	1,532,687
SPOKANE DX ASSOCIATION	8	1,433,062
BAY AREA DXERS	5	1,087,622
HUDSON VALLEY CONTESTERS AND DXERS	5	731,974
METRO DX CLUB	7	653,710
AARDVARK WIRELESS GROUP	5	568,026
MAD RIVER RADIO CLUB	6	217,599

DX

BAVARIAN CONTEST CLUB	125	95,865,947
ITALIAN CONTEST CLUB	95	75,109,498
UKRAINIAN CONTEST CLUB	63	69,108,064
EA CONTEST CLUB	35	44,920,673
INTEREST GROUP RTTY	28	40,915,704
CROATIAN CONTEST CLUB	15	21,866,907
RHEIN RUHR DX ASSOCIATION	42	17,649,933
CONTEST CLUB ONTARIO	33	17,628,801
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	15	16,863,668
LATVIAN CONTEST CLUB	7	15,619,566
SLOVENIA CONTEST CLUB	11	14,397,307
CONTEST CLUB SERBIA	11	13,644,372
CZECH CONTEST CLUB	5	10,976,136
CONTEST CLUB FINLAND	10	9,287,196
5NNDXCC	12	8,961,714
SOUTH URAL CONTEST CLUB	4	8,648,943
LA CONTEST CLUB	5	8,223,099
RUSSIAN CONTEST CLUB	17	7,465,069
ORCA DX AND CONTEST CLUB	15	7,235,618
CONTEST GROUP DU QUEBEC	7	6,922,996
SP DX CLUB	12	6,668,453
ARAUCARIA DX GROUP	17	6,584,915
BELARUS CONTEST CLUB	5	5,250,236
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	5	4,486,590
CONTEST CLUB BELGIUM	17	3,802,320
KRIVBASS	5	3,355,241
CHILTERN DX CLUB	6	3,180,162
CLIPPERTON DX CLUB	8	3,145,060
OKAYAMA DX CLUB	4	3,022,431
RIO DX GROUP	10	2,915,052
SHARKS DX TEAM	4	2,669,331
RUSSIAN CW CLUB	5	2,634,769
LU CONTEST GROUP	7	2,346,006
RUSSIAN DIGITAL RADIO CLUB	16	2,179,618
MEDITERRANEO DX CLUB	5	2,162,592
HA-DX-CLUB	4	2,087,658
YB LAND DX CLUB	52	1,672,163
THRACIAN ROSE CLUB	8	1,527,907
VK CONTEST CLUB	8	1,263,342
POLISH RADIOVIDEOGRAPHY CLUB	4	1,199,528
RTTY CONTESTERS OF JAPAN	8	1,164,205
DANISH DX GROUP	4	1,134,097
GIPANIS CONTEST GROUP	4	958,172
SIAM DX GROUP	6	915,392
CATALONIA CONTEST CLUB	8	714,414
GMDX GROUP	5	700,520
ARCK	5	693,834
SK5AA VASTERAS RADIOKLUBB	4	628,070
599 CONTEST CLUB	4	605,602
CABREUVADX	11	419,922
YB7-DX CLUB	12	323,950
YB6-DXC	13	172,278
RADIO CLUB VENEZOLANO CARACAS	4	126,370
CDR GROUP	5	98,496
YBDXPI	4	83,193
ORARI LOKAL BOGOR	6	3,975

Club scores with 4 or more entries.