Results of the 2019 CQ WPX RTTY Contest

BY ED MUNS, WØYK

One of the best contests, I enjoyed ... E74EB
Another great RTTY contest even the poor props couldn't stop
the fun ... HSØZED
Super contest, TNX ... IZ2ZQP
Superrrr contest. Wow ... SN2WOSP
Great time with my wife sharing time in contest and
family! ... XE2N
I love CQ WPX RTTY Contest ... YBØNDT
Fantastic contest weekend with CQWW WPX RTTY 2019!
Thanks to organizers and operators! ... KF4QFJ
Enjoyed the contest ... ZL2RX

One of the best contests of the year! ... K9OM Another great contest! ... KX4KU Always an awesome contest! ... WX6V



EB8AH won Multi-Single Low Power. The team consisted of (from I. to r.) Kari, OH4KA; Jouni, OH8GDU; Jari, OH8WW; and Pekka, EA8AH.

* P.O. Box 1877, Los Gatos, CA 95031-1877 Email: <w0yk@cqww.com> he 25th installment of the CQ WPX RTTY Contest experienced similar bottom-of-the-cycle propagation as last year. The number of submitted logs was down 7% to 3,099. Another 2,018 calls appeared at least three times in these logs for an overall participation exceeding 5,000 active stations.

Both 15 and 10 meters remained at a 10-year low in activity, same as last year. For example, only nine stations made 10 or more contacts on 10 meters, led by W5PR with 34. The top QSO achiever on 15 meters was CR3DX, followed by eight stations in South America. Table 1 shows percent of QSOs by band, across all logs received for the last 10 years.

Multi-Two station CR3DX achieved the highest QSO total with 5,003, as well as the most 20-meter contacts with 1,791. Single-band 80-meter OL4C made the most 80-meter QSOs with 1,137 and Multi-Multi 9A1A made the most on 40 meters: 1,752. Once again, 9A1A led with the most prefix multipliers at 1,154, though down from prior years' efforts.

New records were set at the World (3) and Continental (11) levels, three times the new records set in 2018 (1 and 4, respectively). Despite poor propagation, it is still possible to set or break a major record:

	World		Cont	tinent
	New	Avail	New	Avail
SO10	0	3	0	18
SO15	0	3	0	18
SO20	1	3	3	18
SO40	0	3	0	18
SO80	0	3	3	18
SOAB	0	3	0	18
MSH	1	1	1	6
MSL	0	1	3	6
M2	1	1	1	6
MM	0	1	0	6
Total	3	22	11	132

First time RTTY test ... DH2WQ My first CQWW RTTY Contest ... DG5MLA First time in this contest ... G3YCH

First time entering this contest. Nice to get some DX (DX for me!) ... G6EES

My first participation in this contest ... HB9TZU
This contest was first RTTY contest for me ... JH4FUF
My very first RTTY contest. Lot of fun ... OH2BEN
It was my first RTTY contest ... SP2WGB
First RTTY Contest ... KD4LEM

Band	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
80	13%	15%	11%	11%	8%	7%	10%	17%	17%	20%
40	27%	28%	23%	26%	21%	21%	23%	33%	36%	35%
20	36%	35%	27%	28%	22%	21%	25%	36%	41%	41%
15	23%	21%	30%	29%	28%	27%	32%	14%	5%	5%
10	0.5%	1%	9%	6%	21%	25%	11%	0.1%	0.03%	0.05%

Table 1. Band-by-band breakdowns of QSO percentages, 2010-2019.

16 • CQ • July 2019 Visit Our Web Site

Second time in the CQ WPX RTTY contest and enjoyed it even more! ... KE3K

This was my first RTTY contest, what a blast! ... KE1IH This was only my second RTTY contest ... N9KJU My 4th RTTY contest! ... WN4AFP

Single-Operator (2,872 Entries)

There are many single-operator entry categories to satisfy a wide range of interests. Low power remains the most popular power level, while 40 and 20 meters were again the most popular single-band categories this year:

	80	40	20	15	10	SB	AB	SO
QRP	15	33	17	5	2	72	73	145
LP	74	150	188	34	2	448	1,299	1,747
HP	43	94	99	15	2	253	727	980
Total	132	277	304	54	6	773	2,099	2,872

QRP (145)

Gendron, F5BEG, won the All-Band category with DK7HA and OK3FD close behind.

The 15 80-meter entries came from four continents with Virgil, YO9BCM, taking the top spot. JM1NKT set a new Asia

record with Yoshi, JG1LFR, close behind. Rianto, YG3FZR, established the first Oceania record with four contacts in 24 minutes, which shows there are still records that can be set or broken in this contest.

Forty meters had 33 entrants, also across four continents, and Albert, DL5RK, finished far ahead of the group.

A new world record was set by Giovanni, IZ7FLP, on 20 meters. Mubarek, A71AE, set a new Asia record and Andi, YC8AO, set a new Oceania record.

Atsushi, JR1NKN, topped the five entries in 15-meter QRP. Munehiro, JH3DMQ, won 10 meters with just 18 minutes of operating time.

Low Power (1,747)

Andrea, IK6VXO, won All-Band over the four Europeans in the top slots. John, KK9A, took 5th and top North America honors while Yuri, RT9S, was 6th with top Asia honors.

Grzegorz, SQ4NR, won on 80 meters in the 74-entry field. After the top 24 finishers – who were all European – Mike, WB8BZK, was the top North American entrant. The first entries ever from Oceania were six Indonesian stations with Galih, YC2VOC, topping the list to establish the first 80-meter Low Power record for this continent.

	2019 V	VPX RTTY TOP WORLD	SCORES	
SINGLE OPERATOR	*ZV2C (PY2CX)561,120	SQ2NNN65,268	14 MHz	7 MHz
HIGH POWER ALL BAND	*PY2XC63,315	US3IW57,348	S53TM353,772	K90M/42,380,644
P49X (WØYK)10,754,846	*PU2TRX50,142	000111	000111111111111111111111111111111111111	IT9RZU839,160
OL9A (OK2ZAW)7,501,256	1 02110/11111111111111111111111111111111	MULTI-OPERATOR	7 MHz	MØUNI287,364
SN7Q (SP7GIQ)7,327,350	14 MHz	SINGLE TRANSMITTER (HIGH)	IU1JCZ252,778	IZ5EME284,896
AA3B6,363,225	*5C5W (CN8KD)1,573,769	S52X (S5ØXX)9,838,584	101002202,110	LC2C (LB1HI)284,088
LZ5K (LZ5DB)6,206,922	*MIØM (MIØSAI)989,097	HG1S (HA1TJ)8,441,062	LOW POWER	2020 (25111)201,000
G2F (MØCKE)5,453,461	*LZ2JA618,412	PJ4Z (WW4LL)8,016,843	ALL BAND	3.5 MHz
UW1M (UR5MW)4,853,499	*UN6LN548,595	9A5D (9A3AW)7,577,856	*IU8HPD1,390,884	IZ3SQW1,471,808
S53X	*G8X (G4FJK)519,870	DR5N (DJ9DZ)6,936,615	*S55BA987,552	EU4E903,000
VE5MX4,748,328	dox (d 1101()010,010	HG7T (HA7TM)6,878,075	*S51I527,386	SV2BXA788,900
ACØC4,734,210	7 MHz	UZ2I (UT2II)6,701,338	*UA4HJ453,312	IK30RD767,382
7,000	*7Z1SJ1.288.468	NV9L5,172,516	*SV80VH323,144	SP5DL696.672
28 MHz	*I3PXN909,828	SZ1A (SV1DPI)4,825,316	*W9JWC (KD9LSV)320,597	0.052
KZ5MM (W5PR)1,680	*ES5RY795,142	0K70 (0K1XFJ)4,607,442	*SQ8W311,484	LOW POWER
NA4W (K4WI)1,457	*US7KC784,728	010 0 (01074 0)	*AA4LS286.464	ALL BAND
10.111 (1.111)	*SQ7CL746,232	MULTI-OPERATOR	*SP9KB172,179	*ZZ2T (PY2MNL)2,290,635
21 MHz	04.02	SINGLE TRANSMITTER (LOW)	*HA1DD168,675	*IK3TPP
CV7S (CX7SS)805,560	3.5 MHz	*EB8AH (OH4KA)7,818,720	11/11/20100,070	*CT7AJL1,877,580
CR6T (CT1ESV)141,588	*SQ4NR1,036,112	*ED9E (EA9CD)5,274,636	21 MHz	*S57U1,671,047
I4LCK124,435	*YT2AAA975,154	*9A7T (9A2EU)3,851,712	*YG2UFA2,871	*0E2E (0E2GEN)1,605,285
I5MXX55,622	*OM3ZWA915,356	*OT6M (ON9CC)3,566,196	*PU2UAH1,081	*R7MM1,599,520
PY2SHF30,199	*DF1MM901,600	*DQ4W (DL1MAJ)2,242,800		*UT5EPP1,576,988
	*UZ2HZ880,896	*LY5W (LY2BVQ)2,150,448	14 MHz	*ON5GQ1,555,113
14 MHz		*TC7G (TA7AZC)2,103,582	*PY2FRQ37,985	*LX5IGRY (LX1ER)1,512,480
V37DX (DH8BQA)2,396,328	QRP	*PI4CG (PD2PKM)2,089,790	*VE2NCG37,723	*IT9VCE
ED8W (EA8DO)2,158,180	ALL BAND	*RA3Y1,937,920	*RQØC35,956	
EM2G (UR7GO)1,774,326	F5BEG1,263,072	*RK3PWR (R3PJL)1,758,834	*HA1LZ3,654	21 MHz
HG8R (HA8JV)1,726,112	DK7HA1,181,768		*JT1YL1,690	*PY2XC63,315
UA5C1,566,600	0K2FD1,017,144	MULTI-OPERATOR		*L77D (LU6DC)45,235
	IK2XDE919,224	TWO TRANSMITTER	7 MHz	*UR5QU31,752
7 MHz	MM3AWD774,060	CR3DX (CT3BD)24,254,241	*IU4HRJ556,068	*YV1SW18,174
IZ4NIC4,987,776	MM3AWD774,060 YU1ANO (YU1LM)493,800	CR3DX (CT3BD)24,254,241 DP9A (DG1HWM)8,815,636	*IU4HRJ556,068 *IN3EYI345,800	
IZ4NIC	MM3AWD774,060 YU1ANO (YU1LM)493,800 DD2ML429,852	CR3DX (CT3BD)24,254,241 DP9A (DG1HWM)8,815,636 S549APR (F5RAV)8,813,808	*IU4HRJ	*YV1SW18,174 *YT8A14,544
IZ4NIC	MM3AWD	CR3DX (CT3BD)24,254,241 DP9A (DG1HWM)8,815,636 S549APR (F5RAV)8,813,808 K9CT (K9WX)8,789,400	*IU4HRJ	*YV1SW18,174 *YT8A14,544
IZ4NIC 4,987,776 S53M (S51FB) 4,239,172 K90M/4 2,380,644 WQ500 2,371,200	MM3AWD	CR3DX (CT3BD)24,254,241 DP9A (DG1HWM)8,815,636 S549APR (F5RAV)8,813,808 K9CT (K9WX)8,789,400 DP7D (DF2SD)8,478,900	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD	CR3DX (CT3BD)24,254,241 DP9A (DG1HWM)8,815,636 S549APR (F5RAV)8,813,808 K9CT (K9WX)8,789,400 DP7D (DF2SD)8,478,900 LY9Y (LY7Z)8,055,696	*IU4HRJ 556,068 *IN3EYI 345,800 *9W2SAF 144,354 *YCØRI 129,630 *KG5THG 108,896	*YV1SW
IZ4NIC 4,987,776 S53M (S51FB) 4,239,172 K90M/4 2,380,644 W0500 2,371,200 DM6DX 2,298,772	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589	CR3DX (CT3BD)	*IU4HRJ	*YV1SW18,174 *YT8A14,544 14 MHz *IW9FDD436,482 *UR2Y (USØYW)428,922 *IZ8FFD396,535
IZ4NIC	MM3AWD	CR3DX (CT3BD)	*IU4HRJ	*YV1SW 18,174 *YT8A 14,544 *IW9FDD 436,482 *UR2Y (USØYW) 428,922 *IZ8EFD 396,535 *IK4LZH 291,078
IZ4NIC 4,987,776 S53M (S51FB) 4,239,172 K90M/4 2,380,644 W0500 2,371,200 DM6DX 2,298,772 3.5 MHz OL4C (OK1NP) 2,907,656	MM3AWD	CR3DX (CT3BD)24,254,241 DP9A (DG1HWM)8,815,636 S549APR (F5RAV)8,813,808 K9CT (K9WX)8,789,400 DP7D (DF2SD)8,478,900 LY9Y (LY7Z)8,055,696 NCØDX (WØLSD)4,603,284 C37URA (C31CA)4,405,040 DLØCS (DG8LG)3,482,850	*IU4HRJ	*YV1SW18,174 *YT8A14,544 14 MHz *IW9FDD436,482 *UR2Y (USØYW)428,922 *IZ8FFD396,535
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799	CR3DX (CT3BD)	*IU4HRJ	*YV1SW .18,174 *YT8A .14,544 14 MHz *IW9FDD .436,482 *UR2Y (USØYW) .428,922 *IZ8EFD .396,535 *IK4LZH .291,078 *R5ACQ .276,318
IZ4NIC	MM3AWD	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1AN0 (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880	CR3DX (CT3BD) 24,254,241 DP94 (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPERATOR MULTI-TPERATOR MULTI-TRANSMITTER 9A1A (9A5W) 18,965,990	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1AN0 (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040	CR3DX (CT3BD) 24,254,241 DP9A (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPERATOR MULTI-TPERATOR MULTI-TRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020	CR3DX (CT3BD) 24,254,241 DP94 (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 L76ØKAA (LZ1AO) 7,224,150	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040	CR3DX (CT3BD) 24,254,241 DP9A (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPERATOR MULTI-TPERATOR MULTI-TRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608	*IU4HRJ	*YV1SW
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IZANIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220	CR3DX (CT3BD) 24,254,241 DP94 (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPERATOR MULTI-TPERATOR MULTI-TPERATOR 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NP4M (KS4Q) 8,264,608 LZ6ØKAA (LZ1AQ) 7,224,150 AA5AU/4 (N1MGQ) 6,915,392 S5ØA 4,622,298 DGØRQ 4,191,894	*IU4HRJ	*YV1SW
IZANIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220 YT5DEY 171,720	CR3DX (CT3BD) 24,254,241 DP94 (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG] 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 LZ6ØKAA (LZ1AO) 7,224,150 AASAU/4 (N1MGO) 6,915,392 S5ØA 4,622,288 DGØRO 4,191,894 NA5NN (K2FF) 3,570,905 WV6I (N6WM) 2,967,636	*IU4HRJ	*YV1SW
IZ4NIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZANIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220 YT5DEY 171,720 R9FBT 150,144	CR3DX (CT3BD) 24,254,241 DP9A (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KETS (WTAN) 2,823,680 MULTI-TPRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 LZ6ØKAA (LZ1AQ) 7,224,150 AA5AUJ4 (NIMGO) 6,915,392 S5ØA 4,622,298 DGØRO 4,191,894 NA5NN (K2FF) 3,570,905 WV6I (N6WM) 2,967,636	*IU4HRJ	*YV1SW
IZANIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220 YT5DEY 171,720 R9FBT 150,144	CR3DX (CT3BD) 24,254,241 DP9A (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPERATOR MULTI-TPERATOR MULTI-TRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 LY26W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 LZ6ØKAA (LZ1AQ) 7,224,150 AA5AU/4 (N1MGO) 6,915,392 S5ØA 4,622,298 DGØRO 4,191,894 NA5NN (K2FF) 3,570,905 WV6I (N6WM) 2,967,636 ROOKIE HIGH POWER ALL BAND	*IU4HRJ	*YV1SW
IZANIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220 YT5DEY 171,720 R9FBT 150,144 3.5 MHz YO9BCM 282,978	CR3DX (CT3BD)	*IU4HRJ	*YV1SW
IZANIC	MM3AWD 774,060 YU1ANO (YU1LM) 493,800 DD2ML 429,852 K2YG 325,125 EW8G 203,889 WE4M (N2QT) 171,589 21 MHz JR1NKN 840 HG3C 799 IZ3NVR 242 14 MHz IZ7FLP 629,880 A71AE 349,279 HG3IPA (HA3JB) 124,020 UX8ZA 40,040 WE6EZ/5 37,960 7 MHz DL5RK 538,986 LZ2TU 195,456 EE3X (EA3KX) 185,220 YT5DEY 171,720 R9FBT 150,144	CR3DX (CT3BD) 24,254,241 DP9A (DG1HWM) 8,815,636 S549APR (FSRAV) 8,813,808 K9CT (K9WX) 8,789,400 DP7D (DF2SD) 8,478,900 LY9Y (LY7Z) 8,055,696 NCØDX (WØLSD) 4,603,284 C37URA (C31CA) 4,405,040 DLØCS (DG8LG) 3,482,850 KE1S (W1AN) 2,823,680 MULTI-TPERATOR MULTI-TPERATOR MULTI-TRANSMITTER 9A1A (9A5W) 18,965,990 UB6B (R7AB) 10,614,186 LY2W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 LY26W (LY1FW) 9,164,328 NR4M (KS4Q) 8,264,608 LZ6ØKAA (LZ1AQ) 7,224,150 AA5AU/4 (N1MGO) 6,915,392 S5ØA 4,622,298 DGØRO 4,191,894 NA5NN (K2FF) 3,570,905 WV6I (N6WM) 2,967,636 ROOKIE HIGH POWER ALL BAND	*IU4HRJ	*YV1SW

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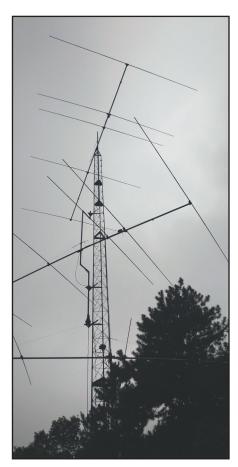
Sulaiman, 7Z1SJ, won 40 meters in the 150-station field, followed by Carlo, I3PXN, and Toomas, ES5RY.

Mohamed, 5C5W (CN8KD), handily won 20 meters for the second year in a row with Simon, MIØM, (MIØSAI) taking second place in this largest singleband category.

Julio, PX2A (PY2XV), won 15 meters over the other next six finishers, also from South America. Next came the top European, Victor, UR5QU.



Julio, PY2XV, won SO 15 meters Low



15-meter stack at PX2A.

Takeshi, JF1OVA, won 10 meters with just six QSOs. That just about sums up the high bands.

High Power (980)

SINGLE OPERATOR HIGH POWER

Ed, P49X (WØYK), won All-Band, his 11th highest score out of 13 consecutive entries in this contest. Jan, OL9A (OK2ZAW), just squeaked by Kris, SN7Q (SP7GIQ), for second place. Bud, AA3B, topped the North American field for 4th place overall.

Jan, OL4C (OK1NP), took first on 80 meters with Filippo, IQ1RY (IZ1LBG), close behind in the all European entries that comprise the first 16 finishers. Then came George, VE3NZ, who was first in North America.

Nicola, IZ4NIC, won 40 meters after a close second place in 2018. Miha, S53M (S51FB), took second with Dick, K9OM, and Victor, WQ5OO, very close for 3rd and 4th in North America.

Oliver, V37DX (DH8BQA), won 20

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Power as PX2A.

	ALL BAND		
Δ	ALL DAND NA3B	6 363 225	
M	\CØC VK1Q (K1MK)	4,734,210	
VI.	VRTQ (RTWR)	2 576 572	
14	V3FV	2 817 944	
ΔΙ	NK1W (K5ZD)	2 650 428	
W	NK7S (K6LL)	2 647 040	
1//	VK7S (K6LL) VV1K (N1IXF)	2 646 340	
K	(5DU	2 402 848	
	(ZØUS (W7RY)		
114	(W////)	.2,200,001	
	28 MHz		
K	(Z5MM (W5PR)	1,680	
N.	IA4W (K4WI)	1,457	
	,		
	14 MHz		
N:	12MM	879,660	
W	VW2DX	857,760	
W	VW2DX V9ILY	337,625	
A	\A7V	172,974	
41	IU1WB/3 (AJ3M)	123,750	
	7 MHz		
	(90M/4		
W	VQ500	.2,371,200	
W	VX5S/6 (N6DE)	.1,640,640	
Ki	(8IA/7	.1,334,742	
K4	(4WW	498,324	
	3.5 MHz		
V.	(T4RR (W5MX)	374 550	
N	16SS/7	373 632	
	W7MM		
N.	IØ0K	31,878	
N.	NØOK	31,878	
N.	NØOK	31,878	
N: Ki	VØOK	31,878 26,208	
N: Ki	IØOK (8YE LOW POWER ALL BAND (KK9A/4	26,208	
N: Ki	IØOK (8YE	31,878 26,208 .3,844,440 .1,067,472	
*I	JØOK	31,878 26,208 .3,844,440 .1,067,472 .1,067,392	
*! *! *!	100K	31,878 26,208 .3,844,440 .1,067,472 .1,067,392 959,104	
*! *! *! *! *!	IJOOK. (8YE LOW POWER ALL BAND) (KK9A/4 K9NR KF20 WW3S AA2MF/4 ALL BAND)	31,878 26,208 .3,844,440 .1,067,472 .1,067,392 959,104 942,028	
N! Ki	LOW POWER ALL BAND KK9A/4 KSNR KF2O WW3S. AA2MF/4	31,878 26,208 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700	
N! K:	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA	31,878 26,208 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,550	
*! *! *! *! *! *! *!	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC	31,878 26,208 .3,844,440 .1,067,472 .1,067,392 942,028 854,700 852,550 663,995	
N! KX	LOW POWER ALL BAND KK9A/4 KSNR KF20. WW3S. AA2MF/4 W3RGA NY6DX/2 W4LC. N2HMM	31,878 26,208 3,844,440 1,067,472 1,067,392 959,104 942,028 854,700 852,550 663,995 663,204	
N! KX	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC	31,878 26,208 3,844,440 1,067,472 1,067,392 959,104 942,028 854,700 852,550 663,995 663,204	
N! KX	JOOK. COMPOWER ALL BAND COMPOWER ALL BAND COMPOWER C	31,878 26,208 3,844,440 1,067,472 1,067,392 959,104 942,028 854,700 852,550 663,995 663,204	
*! *! *! *! *! *! *! *! *! *!	IOOK CREEN COW POWER ALL BAND CREEN CREEN	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,550 663,995 633,204 519,183	
*! *! *! *! *! *! *! *! *! *!	LOW POWER ALL BAND KK9A/4 K9NR KF20. WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW)	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,550 663,995 633,204 519,183	
*! *! *! *! *! *! *! *! *!	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW)		
*! *! *! *! *! *! *! *! *! *! *!	IOOK CREEN COW POWER ALL BAND CREEN CREEN	3,844,440 1,1067,472 1,067,392 959,104 942,028 854,700 852,550 663,995 633,204 519,183 3,354	
N; Ki	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O. WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D LAW LAW LAW K4CWW LAW LAW	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,550 663,995 633,204 519,183 3,354	
N; K; *; *; *; *; *; *; *; *; *; *; *; *; *;	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW) 14 MHz KKFRY (W6ZL) WBZNVR		
N!	LOW POWER ALL BAND KK9A/4 KSNR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW) 14 MHz KU2M KF6RY (W6ZL) WB2NVR N2YBB	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,595 663,995 633,204 519,183 3,354 398,195 141,705 72,160 62,757	
N!	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW) 14 MHz KKFRY (W6ZL) WBZNVR	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,595 663,995 633,204 519,183 3,354 398,195 141,705 72,160 62,757	
N!	JOOK. Compose	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,595 663,995 633,204 519,183 3,354 398,195 141,705 72,160 62,757	
Ni Ki	LOW POWER ALL BAND KK9A/4 K9NR KF20 WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW) 14 MHz KUZM NF6FY (W6ZL) W2NBB N2MUN 7 MHz	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 852,595 663,995 633,204 519,183 3,354 398,195 141,705 72,160 62,757 55,242	
Ni Ki	JOOK. CREEN LOW POWER ALL BAND KK9A/4 KSNR KF2O	31,878 26,208 3,844,440 .1,067,472 .1,067,392 959,104 942,028 854,700 852,550 663,995 633,204 519,183 3,354 3354 398,195 141,705 72,160 62,757 55,242	
Ni Ka	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O. WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D LAW LAW LAW KFGRY (W6ZL) WB2NVR N2YBB N2MUN TMHz KS4AA WK9U W6U KS4AA WK9U KS4AA KS4AA KK9U KK9AM KK		
Ni Ka	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D LAW L		
Ni Ki	JOOK. C8YE LOW POWER ALL BAND KK9A/4 KSNR KF2O WW3S AA2MF/4 WW3RGA NY6DX/2 W4LC N2HMM KA2D 21 MHz W4UAL (K4CWW) LAW		
Ni Ki	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O WW3S AA2MF/4 W3RGA NY6DX/2 W4LC N2HMM KA2D LAW L		
Ni Ki	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O. WW3S. AA2MF/4. W3RGA NY6DX/2 W4LC N2HIMM KA2D L4 MHz W4UAL (K4CWW) L4 MHz KFGRY (W6ZL) WB2NVR N2YBB N2MUN T MHz KK4AA WK9U W2VTV KK8MM KG5THG KSAAL KK9MM KG5THG KSAAL KK9MM KKG5THG KKSAAL WK9U W2VTV KK8MM KKG5THG KKSAAL KKSAAL KKSAMM KKG5THG KKSAAL KKSAAL KKSAMM KKG5THG KKSAAL KKSAMM KKG5THG KKSAAL KKSAAL KKSAMM KKG5THG KKSAAL KKSAAL		
N: K: *: *: *: *: *: *: *: *: *: *: *: *: *:	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O KW9A/4 K9NR KF2O KW9A/5 K9NR KF2O K9NR K9NR K9NR K9NR KA2D L9NR KA2D L9NR KA2D L9NR K9NR		
N; K; *; *; *; *; *; *; *; *; *; *; *; *; *;	JOOK. CREEN LOW POWER ALL BAND		
N; K; *; *; *; *; *; *; *; *; *; *; *; *; *;	JOOK. CREEN LOW POWER ALL BAND KK9A/4 K9NR KF2O KW9A/4 K9NR KF2O KW9A/5 K9NR KF2O K9NR K9NR K9NR K9NR KA2D L9NR KA2D L9NR KA2D L9NR K9NR		

QRP All band	
K2YG	205 105
NZTU	323,123
WE4M (N2QT) W6QU (W8QZA)	1/1,589
K2YGM/4	
KI9S	
W3IQ/8	37,642
KC9NBV	15 808
N6MA/7	
W1IG	
K1SX	
K19X	10,146
14 MHz	
WE6EZ/5	37,960
N1VVV	1,178
7 MHz	
KH6KG/W5/5 (KH6KG/W5).	107.146
WD9FTZ/8	
W4ER	
VV4LI1	4,070
MULTI-OPERAT	TOD.
SINGLE TRANSMITTE	
NV9L	5,1/2,516
KZ7X (W7WW)	
W4MLB (AF4Z)	1,261,379
WV4P	1,159,368
NXØI	1.053.308
KM40Q0	
AK9D/0 (KCØVTJ)	557 648
K5RZA	522 060
MUCTT (MCDD)	140.074
WU6TT (W6DR)	143,374
AA4YL	132,273
MULTI-OPERAT	
SINGLE TRANSMITTE	
*NG1R (W1QK)	
*KD6TR/7	115,291
*ADØLI	
*KN4DUA (AC6ZM)	93.694
,	
MULTI-OPERAT	
TWO TRANSMIT	TER
K9CT (K9WX)	8,789,400
NCØDX (WØLSD)	4.603.284
KE1S (W1AN)	2 823 680
KB80	
KT7E (K7ZS)	2,464,020

2019 CQWW WPX RTTY TOP UNITED STATES SCORES

*KN4DUA (AC6ZM)	93,694		
MULTI-OPERA	ATOR		
TWO TRANSM	ITTER		
K9CT (K9WX)	8.789.400		
NCØDX (WØLSD)			
KE1S (W1AN)			
KB80			
KT7E (K7ZS)			
KB3VQC			
W7II/0			
NX6T (N6NC)			
K5MXĠ			
W4CDA (KG4UQL)			
MULTI-OPERA	ATOR		
MULTI-TRANSN	MITTER		
NR4M (KS4Q)	8,264,608		
AA5AU/4 (N1MGO)			
NA5NN (K2FF)			
WV6I (N6WM)			
KU1CW/7			
KA6BIM/7			
ROOKIE			
HIGH POW	FR		
ALL BAND			

ROOKIE HIGH POWI	ER
ALL BANE KN4BIT	
LOW POWE	·R
ALL BAND	
*W9JWC (KD9LSV)	320,597
* ^ ^ 1 C ` '	206 464

.69,185

*AJ3C

*AA8SW	50 800
*KB7AK	16 878
*W2XK	
	,
7 MHz	
*KG5THG	108,896
*K7HKR	
*ADØTZ	1,092
TRIBANDER/SINGLE	
HIGH POWER	₹
ALL BAND	
N3QE	3,576,573
K07SS	
NR40	
W2CD0/3	1,337,628
KI6DY/0	1,317,833
N5HC	
WS6X/4	
AD5XD	
WA7AN (K9DR)	978,147
AA3S	973,352
14 MHz	

1(1001/0	
N5HC	1.252.679
WS6X/4	
AD5XD	
WA7AN (K9DR)	
AA3S	973 352
AA00	570,002
14 MHz	
W9ILY	337 625
AA7V	
W9IL/4	51,471
KI7DG	4.590
	,
7 MHz	
K90M/4	2.380.644
	,000,011
3.5 MHz	

K8YE	26,208
I OW POWER	

ALL BAND

854 700

852,550

*W3RGA

*NY6DX/2.

N10D/\/2	002,000
*W4LC	663,995
*KA2D	
*K3RWN	
*AB4SF	
*WB5TUF	
*W4PJW	
*KF4FC	
*K8LS/5	
14 MHz	
*KF6RY (W6ZL)	141,705
*N2YBB	
*N2MUN	
*AB1J	
*W4RRE	40,800
*N9TF	
7 MHz	
*KS4AA	
*WK9U	
*KK8MM	
*K5IB	
*WN4AFP	84,940
3.5 MHz	
*AB9YC	
*NOCE	

*W9RF (1) *Low Power

.11.926

*KU7T.

meters and missed the North America record. Alex, EM2G (UR7GO), and Pal, HG8R (HA8JV), were very close for 3rd and 4th to top the European contenders.

Eugenio, CV7S (CX7SS), won 15 meters again this year. Chuck, KZ5MM (W5PR), diligently won 10 meters with 34 QSOs over nearly 8 hours.

Students 10-15 years old, for some their first contest ... ES5YG Licensed from 2018 December, age 14 ... HA1DD Age 14 years and licensed from December 2018 ... HA1LZ Martin, 16 years old ... IN3EY

I am only one YL and youngest ham operator. I am 12 years old. My license start from 15th of January 2019 ... JT1YL

Multi-Operator (134)

Multi-Single is the most popular multi-operator category, by far:

MSL	MSH	M2	MM	
43	49	27	15	

Multi-Single Low Power (43)

EB8AH (OH4KA, OH8WW, OH8GDU, EA8AH) set a new

world record with their clear win over rival African station ED9E (EA9CD, EA9FY, EA9AAU, EA8ACD, EA9ACP, EA9ACT, EB9DG, EA7KI, EA7KP). 9A7T (9A2EU, 9A5MR, 9A4OP, 9A5CB) was third, to lead the Europeans in the next four places, followed by a new Asia record by TC7G (TA7AZC, TA7AOF, TA7EB, TA7EA). PR2E broke the South America record.

Multi-Single High Power (49)

First place went to S52X (S50XX, S52K, S52X, S55G, S55Y, S56Y, S57AV, S57NA) to upset last year's winner HG1S (HA1TJ, HA1DAI, HA1SN, HA1DAE). PJ4Z (WW4LL, NN9DD) took third to beat last year's second place team at 9A5D (9A3AW, 9A3ID, 9A3VM, 9A7Z). Eighth place NV9L (NV9L, K9CS, N9TK, N9LAH, WB9Z) won North America.

Multi-Two (27)

CR3DX (CT3BD, CT3DZ, CT3EN, CT3KY, OM2KW, OM3RM, OM7LW) set a new world record by 30%, which was set by the same team at CR3A in 2017. DP9A (DG1HWM, DK1DSA, DK4WA, DL5YYM, DL8UAT, DL9NDV, DM5JBN) and S549APR (F5RAV, S50LD, S51TC,

2019 CQWW WPX RTTY TOP EUROPE SCORES										
SINGLE OPERATOR	*IKØPRP13.794	MULTI-OPERATOR	7 MHz	MØUNI287.364						
HIGH POWER	*I3FGX12,276	SINGLE TRANSMITTER (HIGH)	IU1JCZ252,778	IZ5EME284,896						
ALL BAND	*IK2TDM6,272	S52X (S5ØXX)9,838,584	101002202,110	LC2C (LB1HI)284,088						
OL9A (OK2ZAW)7,501,256	IKZ1DIVI0,272	HG1S (HA1TJ)8,441,062	LOW POWER	UT5LA227,392						
SN7Q (SP7GIQ)7,327,350	14 MHz			010LA221,002						
LZ5K (LZ5DB)6,206,922		9A5D (9A3AW)7,577,856	ALL BAND	3.5 MHz						
	*MIØM (MIØSAI)989,097	DR5N (DJ9DZ)6,936,615	*IU8HPD1,390,884							
G2F (MØCKE)5,453,461	*LZ2JA618,412	HG7T (HA7TM)6,878,075	*S55BA987,552	IZ3SQW1,471,808						
UW1M (UR5MW)4,853,499	*G8X (G4FJK)519,870	UZ2I (UT2II)6,701,338	*S51I527,386	EU4E903,000						
S53X4,809,946	*IW9FDD436,482	SZ1A (SV1DPI)4,825,316	*UA4HJ453,312	SV2BXA						
ER4A (UT5UDX)4,658,812	*UR2Y (USØYW)428,922	OK70 (OK1XFJ)4,607,442	*SV80VH323,144	IK30RD767,382						
Y09HP4,646,763		OK1KSL (OK1AHJ)4,071,375	*SQ8W311,484	SP5DL696,672						
OM2VL4,572,454	7 MHz	OH2HAN3,677,955	*SP9KB172,179							
EMØI (UT2IZ)4,314,363	*I3PXN909,828		*HA1DD168,675	LOW POWER						
	*ES5RY795,142	MULTI-OPERATOR	*IU4JIC129,564	ALL BAND						
21 MHz	*US7KC784,728	SINGLE TRANSMITTER (LOW)	*R2PU129,425	*IK3TPP1,962,378						
CR6T (CT1ESV)141,588	*SQ7CL746.232	*9A7T (9A2EU)3,851,712	1121 0120, 120	*CT7AJL1,877,580						
I4LCK124,435	*UR5WCQ743,208	*OT6M (ON9CC)3,566,196	14 MHz	*S57U1,671,047						
I5MXX55,622	01101104	*DQ4W (DL1MAJ)2,242,800	*HA1LZ3,654	*OE2E (OE2GEN)1,605,285						
YTØZ (YU1ZZ)25,004	3.5 MHz	*LY5W (LY2BVQ)2,150,448	*IU2IGX	*R7MM1,599,520						
EA5FID14,784	*SQ4NR1,036,112	*PI4CG (PD2PKM)2,130,440	1021071,030	*UT5EPP1,576,988						
LAUT ID14,704	*YT2AAA975,154	*RA3Y1,937,920	7 MHz	*ON5GQ1,555,113						
14 MHz	*OM3ZWA	*RK3PWR (R3PJL)1,758,834	*IU4HRJ556,068	*LX5IGRY (LX1ER)1,512,480						
EM2G (UR7G0)1,774,326	*DF1MM901,600			*IT9VCE1,426,620						
		*ED3D (EA3AYQ)1,469,093	*IN3EYI345,800	*DL3SYA1,365,210						
HG8R (HA8JV)1,726,112	*UZ2HZ880,896	*PI4VAD (PA3DUU)811,966	*2EØLXE71,250	220017111111111111111111111111111111111						
UA5C	QRP	*EA4URE (EB2DSP)767,618	*EA7JZZ45,696	21 MHz						
S57DX	ALL BAND		*SP9WPN6,160	*UR5QU31,752						
LZ6Y (LZ1KU)1,326,378	F5BEG1,263,072	MULTI-OPERATOR		*YT8A14,544						
7.000	DK7HA1,181,768	TWO TRANSMITTER	3.5 MHz	*IKØPRP13,794						
7 MHz	0K2FD1,017,144	DP9A (DG1HWM)8,815,636	*R2FBZ227,696	*I3FGX12,276						
IZ4NIC4,987,776	IK2XDE919,224	S549APR (F5RAV)8,813,808	*D01ISE169,600	*IK2TDM6,272						
S53M (S51FB)4,239,172	MM3AWD774,060	DP7D (DF2SD)8,478,900		INZ I DIVI0,212						
DM6DX2,298,772	YU1ANO (YU1LM)493,800	LY9Y (LY7Z)8,055,696	TRIBANDER/SINGLE ELEMENT	14 MHz						
YU1AU2,204,488	DD2ML429,852	C37URA (C31CA)4,405,040	HIGH POWER	*IW9FDD436,482						
S51CK2,027,880	EW8G	DLØCS (DG8LG)3,482,850	ALL BAND	*UR2Y (USØYW)438,482						
	LZ3RR	ED2C (EA2VE)2,133,472	DP6M (DK9IP)3,206,245	*IZ8EFD						
3.5 MHz		OM3KFF (OM4DW)1,342,224	DM5TI2,514,642							
OL4C (OK1NP)2,907,656	SN2WOSP (SP2UUU)117,624	SP5KCR (SQ5WWK)498,344	M7T (G3YYD)2,485,311	*IK4LZH291,078						
IQ1RY (IZ1LBG)2,780,558	44.880	EA3MR334,887	UZ1WW2,260,995	*R5ACQ276,318						
UX2X (UT2XQ)2,278,100	14 MHz	LAOWIT004,007	YL1S (YL1ZF)2,243,822	7.001						
IZØKBR1,567,392	IZ7FLP629,880	MULTI-OPERATOR	OZØJD1,889,146	7 MHz						
IZ3SQW1,471,808	HG3IPA (HA3JB)124,020	MULTI-TRANSMITTER	DR7B (DL2JRM)1,657,370	*UR5WCQ743,208						
	UX8ZA40,040	9A1A (9A5W)18,965,990	DK1FW1,611,039	*0K2RU677,758						
LOW POWER	RA3XEV5,150		DLØHMK (DF2HN)1,602,255	*IW2MXY563,550						
ALL BAND	IU2IGX1,350	UB6B (R7AB)10,614,186	UV7V (UX1VT)1,433,124	*ED4T (EA4CWN)439,704						
*IK6VX05,471,250		LY2W (LY1FW)9,164,328	, , , , , , , , , , , , , , , , , , , ,	*Z37DX (Z33F)328,636						
*IT9RGY/44,846,776	7 MHz	LZ6ØKAA (LZ1A0)7,224,150	21 MHz							
*TM3Z (F4DSK)4,807,728	DL5RK538,986	S5ØA4,622,298	EA5FID14,784	3.5 MHz						
*403A (409TTT)3,917,716	LZ2TU195,456	DGØR04,191,894	EA30H3,293	*SQ4NR1,036,112						
*S09M (SQ9UM)3,428,040	EE3X (EA3KX)185,220	DR3W (DL3ABL)2,467,839	2,001	*DF1MM901,600						
*LY6A2,532,050	YT5DÈY171,720	ED2V (EA2CYJ)304,554	14 MHz	*UZ2HZ880,896						
*UW6E (UR6EA)2,355,029	R9FBT150,144		EF1Z (EA1BD)872,534	*OK4GP728,460						
*IK3TPP1,962,378		ROOKIE	SX73SC (SV2BFN)742,118	*E77EA724,880						
*CT7AJL	3.5 MHz	HIGH POWER	IU4CHE (PARA)713,904							
*IKØCHU1,797,070	Y09BCM282,978	ALL BAND	RU5TT495,720	*Low Power						
13,01101,131,010	Y08WW96.570	Y04FPF329.708	UC6N	*Low Power						
21 MHz	YT5YTT67,704	104111329,700	UUUN303,/4/							
		14 MHz	7 MIL-							
*UR5QU31,752	SQ2NNN65,268		7 MHz							
*YT8A14,544	US3IW57,348	S53TM353,772	IT9RZU839,160							

20 • CQ • July 2019 Visit Our Web Site



Multi-Two K9CT won North America and was 4th worldwide (near to far: Jim, N7US; Larry, KT9L; Tim, K9WX).

S51ZJ, S55KZ, S56B, S56DE, S57PM, S59MZ) are virtually tied for 2nd and 3rd place. K9CT (K9WX, AI9T, ND9G, K9CT, KT9L, N7US) was first in North America for 4th place worldwide.

Multi-Multi (15)

World record holder 9A1A (9A5W, 9A9A, 9A6A, 9A7R, 9A7C, 9A8A, 9A3SMS, 9A5PL, 9A5AEU, 9A7ROR) again took top honors as they have

every year since 2012. UB6B (R7AB, R7DA, RA6YDX, R6YP, R7TU, RU7A) and LY2W (LY1FW, LY2FN, LY2MM, LY2NY, LY2PAD, LY2W, LY5O) took the next two places. NR4M (KS4Q, K5OF, NR4M, W4GO, K4GM, K3NC, N4DXS, KA4RRU, K3UI, N3ZV, N3AIU) won North America and AA5AU (N1MGO, AA5AU, WS7I, K3ZV, W4AAW, KT1I, KJ0D, W4TMO @W4AAW) was second in North

2019 WPX RTTY PLAQUE WINNERS AND DONORS

SINGLE-OPERATOR HIGH POWER

World: Jeff Blaine, ACØC. Won by: Ed Muns, P49X (op. WØYK) USA: Abroham Neal Software by K3NC. Won by: Bud Trench, AA3B USA: 7th Call Area: Hank Lonberg, KR7X (in memory of Bob Wruble, W7GG).

Won by: Dave Hachadorian, WK7S (Op. K6LL)
Europe: FlexRadio Systems. Won by: Jan Sustr, OL9A (Op. OK2ZAW)

SINGLE-OPERATOR LOW POWER

World: Mike Sims, K4GMH. Won by: Andrea Tonci, IK6VXO North America: Alabama Contest Group. Won by: John Bayne, KK9A Europe: FlexRadio Systems. Won by: Gabry Iuliani, IT9RGY/4 Asia: Doug Faunt, N6TQS. Won by: Yuri Kotelnikov, RT9S Oceania: Doug Faunt, N6TQS. Won by: Ozkan Ozal, TA7I

SINGLE-OPERATOR QRP

World: FlexRadio Systems. Won by: Gendron Gerard, F5BEG

SINGLE-OPERATOR SINGLE BAND

World 7 MHz: Steve Booklout, NR4M, and the "Goat Farm Gang". Won by: Nicola Bughignoli, IZ4NIC World 14 MHz: Steve "Sid" Caesar, NH7C. Won by: Olivier Droese, V37DX (Op. DH8BQA) World 14 MHz Low Power: Kenny Young, AB4GG. Won by: Mohamed Kharbouche, 5C5W (Op. CN8KD)

World 21 MHz: Wray Dudley, AB4SF. Won by: E. Eugenio De Marino, CV7S (Op. CX7SS)

MULTI-OPERATOR, SINGLE-TRANSMITTER HIGH POWER

World: FlexRadio Systems. Won by: S52X (Op. S50XX, S52K, S52X, S55G, S55Y, S56Y, S57AV, S57NA) North America: Mike Benjamin, W2GR. Won by: NV9L (Op. NV9L, K9CS, N9TK, N9LAH, WB9Z)

MULTI-OPERTATOR, MULTI-TWO

World: Steve Bookout, NR4M, and the "Goat Farm Gang". Won by: CR3DX (Op. CT3BD, CT3DZ, CT3EN, CT3KY, OM2KW, OM3RM, OM7LW)

North America: Ed Muns, WOYK. Won by: K9CT (Op. K9WX, Al9T, ND9G, K9CT, KT9L, N7US)
Europe: FlexRadio Systems. Won by: DP9A (DG1HWM, DK1DSA, DK4WA, DL5YYM, DL8UAT, DL9NDV,

MULTI-OPERATOR, MULTI-TRANSMITTER

World: Steve Bookout, NR4M, and the "Goat Farm Gang". Won by: 9A1A (9A5W, 9A9A, 9A6A, 9A7R, 9A7C, 9A8A,

9A3SMS, 9A5PL, 9A5AEU, 9A7ROR)
North America: BeLoud.US. Won by: NR4M, The "Goat Farm Gang" (Op. KS4Q, K50F, NR4M, W4GO, K4GM, K3NC, N4DXS, KA4RRU, K3UI, N3ZV, N3AIU)

Europe: FlexRadio Systems. Won by: UB6B (R7AB, R7DA, RA6YDX, R6YP, R7TU, RU7A)

CLUB COMPETITION

World: Potomac Valley Radio Club. Won by: Bavarian Contest Club North America: Northern California Contest Club: Won by: Potomac Valley Radio Club

America and 6th worldwide using the W4AAW Virginia station all remotely.

Club Competition

DX: The Bavarian Contest Club dominated again this year with 81 logs for first place. Also repeating last year's 2nd place finish was the Ukrainian Contest Club with its 55 entries. Third place was the Slovenia Contest Club with 11 logs.

USA: Fourth place overall and repeat USA winner was the Potomac Valley Radio Club with 59 logs, followed by the Northern California Contest Club with 53 logs and 5th place overall. The Society of Midwest Contesters was close behind with 55 logs.

Closing

A searchable database of the results from every CQ WPX RTTY Contest is available at <www.cqwpxrtty.com/ scores.htm>. The search criteria are very versatile, allowing one to see results and records for virtually any combination of category and geographic area in the world. It's a fine way to "level the playing field" and see how one's operating stacks up against other similar stations.

Log Check Reports (LCRs) can suggest ideas to improve operating accuracy. This valuable information is available upon request to <w0yk@cqwpxrtty. com>. As well, we now have capability to email each participant a link to his/her personal LCR. You can compare your log check statistics with the averages across all logs in this contest. This year's statistics are very close to last year. This may be due in part to improved logchecking algorithms:

- 1.1% busted (incorrect) received callsign
 - 1.5% busted serial number received
 - 1.6% NIL (Not In Log)
 - 4.2% total error rate
- 9.2% score reduction (with penalties and lost mults, score reduction is higher than raw error rate)

Achieving a zero error rate may mean that too much time is being spent on accuracy. Speed and accuracy are a trade-off for optimal communication.

Certificates are available online for download and printing locally. The link for your certificate is on the far right of your score listing in the Scores Database at <www.cqwpxrtty.com/scores.htm>.

Sponsoring a plaque is an opportunity to give back and show appreciation for the contest. You can choose an unsponsored plaque in any category, whether listed or not at <www.cqwpxrtty.com/

plagues.htm>. Contact <w0yk@cgwpx rtty.com> to sign up.

A number of volunteers work tirelessly in the background to bring contests to us. Ken, K1EA, and Randy, K5ZD, continue to improve and support the log checking and website software. KM3T, N5KO, and K5TR quietly manage the IT infrastructure behind the log submittal robots, log storage, and log-checking software. The WWROF (World Wide Radio Operators Foundation) provides financial support for the IT services required, among other support for contesting in general. All of us can help with our donations to WWROF, so please consider this way to give back to radiosport. Finally, thanks to Jason, KD2IWM, Managing Editor at CQ Amateur Radio, for his supportive editing work on these results.

The 26th CQ WPX RTTY Contest will be held on 8-9 February 2020. I look forward to seeing everyone again then!



The ED9E team was 2nd in Multi-Single Low Power.

2019 WPX RTTY CLUB SCORES

2019 WPX RTIT CLUB SCORES									
United States			HA-DX-CLUB	7	18 604 807				
	trants	Score	CONTEST CLUB ONTARIO						
POTOMAC VALLEY RADIO CLUB			LATVIAN CONTEST CLUB						
NORTHERN CALIFORNIA CONTEST CLUB			RUSSIAN CONTEST CLUB						
SOCIETY OF MIDWEST CONTESTERS			EA CONTEST CLUB						
FRANKFORD RADIO CLUB			BELARUS CONTEST CLUB						
YANKEE CLIPPER CONTEST CLUB			CONTEST CLUB FINLAND						
ARIZONA OUTLAWS CONTEST CLUB			SKY CONTEST CLUB						
KANSAS CITY CONTEST CLUB			SOUTH URAL CONTEST CLUB	4	3.953.599				
GEORGIA CONTEST GROUP			ARAUCARIA DX GROUP	8	3.719.809				
WILLAMETTE VALLEY DX CLUB			CHILTERN DX CLUB	5	3,693,797				
FLORIDA CONTEST GROUP			ARIPA DX TEAM	4	3,527,761				
GRAND MESA CONTESTERS OF COLORADO	5	4.980.747	ORCA DX AND CONTEST CLUB	10	3,391,461				
MINNESOTA WIRELESS ASSN			CONTEST CLUB SERBIA						
CENTRAL TEXAS DX AND CONTEST CLUB	7	3.989.121	RUSSIAN DIGITAL RADIO CLUB						
TENNESSEE CONTEST GROUP	12	3.800.103	RIIHIMAEN KOLMOSET						
MAD RIVER RADIO CLUB	7	3,261,802	LA CONTEST CLUB						
CTRI CONTEST GROUP	6	3,252,121	RTTY CONTESTERS OF JAPAN						
KENTUCKY CONTEST GROUP	9	2,970,545	CONTEST GROUP DU QUEBEC	7	2,697,690				
DFW CONTEST GROUP	9	2,952,873	YB LAND DX CLUB	42	2,685,038				
CAROLINA DX ASSOCIATION	7	2,923,323	KRIVBASS	4	2,588,940				
NIAGARA FRONTIER RADIOSPORT			WORLD WIDE YOUNG CONTESTERS	5	2,483,560				
SOUTHERN CALIFORNIA CONTEST CLUB			TRAC RADIO AMATEUR CLUB TRABZON BRANCH						
ORDER OF BOILED OWLS OF NEW YORK			CATALONIA CONTEST CLUB						
SHENANDOAH VALLEY WIRELESS	4	1,271,062	SK5AA VASTERAS RADIOKLUBB						
NORTH COAST CONTESTERS			SP DX CLUB						
BRISTOL (TN/VA) ARC	4	1,087,569	YO DX CLUB	4	1,449,551				
WESTERN WASHINGTON DX CLUB	11	979,503	CLIPPERTON DX CLUB						
SWAMP FOX CONTEST GROUP			CE CONTEST GROUP						
METRO DX CLUB			RIO DX GROUP						
NORTH CAROLINA DX AND CONTEST CLUB			THRACIAN ROSE CLUB						
NEW PROVIDENCE ARC			MEDITERRANEO DX CLUB		1,090,945				
TEXAS DX SOCIETY			VK CONTEST CLUB						
SOUTH EAST CONTEST CLUB			THAILAND DX ASSOCIATION						
THE VILLAGES AMATEUR RADIO CLUB			SPALDING & DISTRICT AMATEUR RADIO SOCIETY	J	503 530				
DEEP DIXIE CONTEST CLUB.			LU CONTEST GROUP						
UTAH DX ASSOCIATION			TORBAY ARS						
MISSISSIPPI VALLEY DX/CONTEST CLUB			SK6AW HISINGENS RADIOKLUBB						
NE MARYLAND AMATEUR RADIO CONTEST SOCIETY.	o	270 006	YB6_DXC	3	441 445				
NORTHEAST WISCONSIN DX ASSN			SIAM DX GROUP						
MERIDEN ARC			SINGLE FIGHTER DX GROUP						
ALABAMA CONTEST GROUP			MARITIME CONTEST CLUB	3	315.094				
ALADAWA CONTLOT GITCOT			VU CONTEST GROUP	3	283,996				
			ARCK	5	273,099				
DX			NEWBURY AND DISTRICT ARS	5	239,775				
BAVARIAN CONTEST CLUB	81	83,265,012	DANISH DX GROUP	3	231,576				
UKRAINIAN CONTEST CLUB			NORFOLK AMATEUR RADIO CLUB						
SLOVENIA CONTEST CLUB			599 CONTEST CLUB						
CROATIAN CONTEST CLUB	8	24,019,614	CDR GROUP	4	152,369				
RHEIN RUHR DX ASSOCIATION	59	23.738.163	CHILEAN PACIFIC DX GROUP						
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	7	21,478,103	RU-QRP CLUB						
INTEREST GROUP RTTY			LA-DX-GROUP	3	63,382				
ITALIAN CONTEST CLUB	38	19,932,604							

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