# Results of the 2020 CQ WPX RTTY Contest

# BY ED MUNS\*. WØYK

I enjoyed the contest ... 7N4JXR
Love having so many multipliers. A shot of endorphins with every one! ... AK1W
Nice contest ... DF6JF
Great contest ... G3WYW
Very good participation ... IK2OVT
That was fun! ... IT9RGY
It was great to see so much RTTY activity on the bands! ... K8YE
A really fun contest with all the multipliers! ... K9OM
Great contest, loved the maze of callsigns ... KN5TX
All good fun and as always – RTTY rocks ... MW9W
What a fantastic contest ... TM3Z
Great participation, loads of fun! ... WDØT
Great fun, can't wait till next year ... WV4P

he 26<sup>th</sup> CQ WPX RTTY Contest flourished despite another year with minimal solar activity. The good news is that most scientists believe we are already a few months into Cycle 25, so conditions will hopefully improve over the next five years. The number of submitted logs was 3,088. Another 1,928 calls appeared at least three times in these logs for an overall participation exceeding 5,000 active stations, just a few less than last year.

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The 9A1A Multi-Multi winning team are: (front) Aron, 9A7ROR; (back, I. to r.) Mario, 9A7C; Emil, 9A9A; Braco, 9A7R; Nikola, 9A5W; and Mark, 9A8A.

Both 15 and 10 meters remained at a 10-year low in activity, same as last year. For example, only five stations made 10 or more contacts on 10 meters, led by 4E3X with 39. The top QSO achiever on 15 meters was CV7S with 767 contacts. This historical table shows percent of QSOs by band, across all logs received for the last 11 years:

Multi-Two CR3DX achieved the highest QSO total for the second year in a row with 4,540; the 9A1A Multi-Multi came in second with 3,922. On multipliers, though, 9A1A had 1,096 for the contest high and CR3DX was second with 1,080. Being in different categories, they both won!

Jan, OL9A (op. OK2ZAW), topped 80-meter QSOs with 1,132 in his 80-Meter High Power win. 9A1A topped 40-meter QSOs with 1,468; CR3DX was close behind with 1,429. On 20 meters, CR3DX was way out in front with 1,585 QSOs. Eugenio, CV7S (CX7SS), led 15 meters with 767 QSOs.

Five new Continental records were set despite challenging conditions:

	W	orld	Cont	inent
	New	Avail	New	Avail
SO10	0	3	0	18
SO15	0	3	0	18
SO20	0	3	0	18
SO40	0	3	2	18
SO80	0	3	2	18
SOAB	0	3	0	18
MSH	0	1	0	6
MSL	0	1	1	6
M2	0	1	0	6
MM	0	1	0	6
Total	0	22	5	132

First time working a RTTY contest. Was fun ... **K6FA**First time for RTTY great fun ... **K7STO**First time in this contest, I'll be back! ... **K8JT**New to RTTY but had a lot of fun. Learning from other great operators ... **KD5ILA** 

First time in RTTY ... KP4ALR

My first time ever on RTTY in over 60 years ... **KVØI**My first WPX contest. Looking forward to improving my score in 2021 ... **N60PE** 

First RTTY contact in 61 years as an amateur ... W8KNO

# Single-Operator (2,872 entries)

There are many single operator entry categories to satisfy a wide range of interests. Low Power remains the most popu-

Band	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
80	13%	15%	11%	11%	8%	7%	10%	17%	17%	20%	21%
40	27%	28%	23%	26%	21%	21%	23%	33%	36%	35%	34%
20	36%	35%	27%	28%	22%	21%	25%	36%	41%	41%	42%
15	23%	21%	30%	29%	28%	27%	32%	14%	5%	5%	4%
10	0.5%	1%	9%	6%	21%	25%	11%	0.1%	0.03%	0.05%	0.03%
10	0.5 /6	1 /0	3 /6	0 /6	21/0	25/6	11/0	0.176	0.00 /6	0.05 /6	0.0076

Table 1. Band-by-band breakdowns of QSO percentages, 2010-2020

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lar power level while 40 and 20 meters were again the most popular single band categories again this year:

	80	40	20	15	10	SB	AB	so
					-		72 1225	
HP	51	81	105	15	2	253	775 2072	1028

# **QRP (135)**

Val, LZ3RR, led the All Band category with almost double the score of the next competitor.

The 13 80-meter entries came from five continents with Virgil, YO9BCM, once again taking the top spot with twice the score of the second-place entry. Galih, VC2VOC, set a new Oceania record with just six QSOs.

Forty meters had 22 entrants across four continents, and Vitas, LY5G, finished ahead of the group. Doni, VCØVM set a new Oceania record.

Vlad, UT2EF, won 20 meters with Gab, HG3IPA (HA3JB), next in line.

Atsushi, JR1NKN, topped the seven entries in 15-meter QRP again this year.

Munehiro, JH3DMQ, was the only 10-meter entry, with five QSOs.

# Low Power (1,654)

Andrea, IK6VXO, won All Band again this year in a close race among the top three. Dimitri, TM3Z (F4DSK), was second; and Gabry, IT9RGY, finished third. Dimitri dealt with Storm Ciara disturbing antennas, two short power outages, no 10 meters and almost no 15 meters. However, 80 and 40 worked well and overall, he had a great time battling it out with Andrea and Gabry. Don, AA5AU, won North America just below the top nine spots dominated by European stations.

Martin, OK6T (OK1WCF), won 80 meters with Gerard, F5BEG, a close second followed by Serge, UZ2HZ.

Igor, Z32ID, won 40 meters with 822 QSOs, followed by Ivan, YU5R (YT2AAA); and Alek, 3Z9M (SQ9UM), who were both nearly tied.

Gerardo, AN1PM (EC1A), led the top six entries on 20 meters with 766 QSOs. Fabio, IZ3IBL, was next, followed

	2020 W	PX RTTY TOP W	ORLD S	SCORES	
SINGLE OPERATOR	HG5D (HA8QZ)1,825,270	UZ2HZ	901.472	UT1AM103.362	OMØM7,528,164
ASSISTED HIGH POWER	DL3BQA1,324,320	F1AKK		YL3FW45,150	RWØA6,847,632
ALL BAND	WK1Q (K1MK @K1TTT)1,218,124	I1WXY		KH6KG/W5 (KH6KG/W5)42,262	DKØKC5,598,100
P49X (WØYK)10,752,650	SP5DL765.002	HA8WY		WD9FTZ40,404	KA4RRU4,317,848
SN7Q (SP7GIQ)7,476,770	01 00 000	S56A		UT8UU22.496	NR604,052,545
ZF2WF (W9KKN)6,095,712	ASSISTED	LZ33E		W2NTN18,252	N30W
UW1M (UR5MW)6,046,320	LOW POWER	E79D		JG1LFR4,608	140044102,070
AA3B5,820,840	ALL BAND	ER100		KB2HSH4,160	ROOKIE
UA4M (RL4R)5,183,171	IK6VX05,463,707	L11100	01 1,002	CR6A (CT1IUA)3,078	HIGH POWER
HG8R (HA8JV)5,172,432	TM3Z (F4DSK)5,311,416	ASSISTED		0110A (01110A)	9A5AAX (DJ4MX)2,361,582
LY7Z4,741,347	IT9RGY/45,294,496	QRP		MULTI-OP	EU8A554,200
ER4A (UT5UDX)4,363,320	US2YW3,574,208	ALL BAND		SINGLE-TRANSMITTER	SP9PUZ
I2WIJ4,338,720	LY6A3,238,239	LZ3RR	1 549 301	HIGH POWER	VU2ZMK227,136
124101,000,720	RT9S2,639,175	DK7HA		ALL BAND	IU1LCU175,123
28 MHz	EA4GOY2,544,750	OK2FD		DR5N6,626,312	K6KM51,992
NA4W (K4WI)726	UT4LW2,485,056	EU8F		J42L6,616,512	NA6US43,815
W5PR242	UR6EA2.131.844	YU1LM		EC5V	147000
VV0111	AA5AU2,112,033	N2WK		UZ2I	LOW POWER
21 MHz	AAOAO2,112,000	MØHMJ		0G73X5,595,834	EA7KHB789,859
CV7S (CX7SS)943,890	28 MHz	UT5EOX		PX2A	EU8F510,940
LU7HN864,678	L55D1,196	MM3AWD		SX214,765,846	R2PU328,293
IZ4COW79,704	1,190	K2YG		LZ6Y4,763,646	W9JWC (KD9LSV)236,680
K1SFA (K1MK @K1TTT)24,840	21 MHz	KZTU	001,070	LZ7A3,514,503	HA1TIB216,876
JASIDS10,184	PY2CX314,088	28 MHz		0K1KSL3,291,375	LZ2ZY205,224
RN6A	CE3CBM79,527	JH3DMQ	21	UK1K3L	IU3LYJ134,688
AJ4VE	LU3MAM55,216	JUSPING		MULTI-OP	UR4MH128,505
ZL2RX	YT8A (YU1EA)29,160	21 MHz		SINGLE-TRANSMITTER	YC1RKT114,023
IK3ASM3,948	UR5QU28,560	JR1NKN	2 020	LOW POWER	AA8SW104,550
	YV1SW28,310	WP40		ALL BAND	AA03VV104,330
TM5J (F5TMJ)2,618	BD70XR11.264	YC8UYJ		9A7T	TRIBANDER/WIRES
14 MHz	PU1JSV9,672	IZ3NVR		ES9C	HIGH POWER
IQ1RY (IZ1LBG)2,659,589	PU2NBI8,184	Y08WW	950	YL1ØCW03,137,197	N3QE2,960,342
IQ1RY (IZ1LBG)2,659,589 IT9ZMX2,315,193		Y08WW DL2TM	950 902	YL1ØCW03,137,197 LY5W3,048,514	N3QE2,960,342 GB6ØATG (GW4SKA)2,543,234
IQ1RY (IZ1LBG)2,659,589 IT9ZMX2,315,193 S52X2,090,880	PU2NBI	Y08WW	950 902	YL1ØCWO3,137,197 LY5W3,048,514 IK4RQJ2,477,167	N3QE2,960,342 GB6ØATG (GW4SKA)2,543,234 IK2XDE2,037,184
IQ1RY (IZ1LBG)	PU2NBI	Y08WW DL2TM JR2EKD	950 902	YL1ØCWO 3,137,197 LY5W 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066	N3QE
I01RY (IZ1LBG)	PU2NBI	Y08WW DL2TM JR2EKD 14 MHz	950 902 608	YL1ØCWO	N30E
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930	PU2NBI	Y08WW	950 902 608	YL1ØCWO 3,137,197 LY5W 3,048,514 IK4RQJ .2,477,167 TC7G 2,232,066 DF7ØDARC .1,566,720 DQ4W 1,249,438	N3QE       2,960,342         GB60ATG (GW4SKA)       2,543,234         IKXDE       2,037,184         R5AJ       2,014,272         S50RY (S53K)       1,994,039         K07SS       1,988,746
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805 14 MHz AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124	Y08WW	950 902 608 157,842 118,038	YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250	N30E 2,960,342 GB60ATG (GW4SKA) 2,543,234 IKZXDE 2,037,184 R5AJ 2,014,272 S50RY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818
IQ1RY (IZ1LBG) 2,659,589 IT92MX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 418A 1,153,359	PU2NBI	Y08WW	950 902 608 157,842 18,038 79,980	YL1ØCWO 3,137,197 LY5W 3,048,514 IK4RQJ .2,477,167 TC7G 2,232,066 DF7ØDARC .1,566,720 DQ4W 1,249,438	N30E       2,960,342         GB60ATG (GW4SKA)       2,543,234         IK2XDE       2,037,184         R5AJ       2,014,272         S5ØRY (S53K)       1,994,039         K07SS       1,988,746         T6A (S53R)       1,879,818         K90M       1,717,296
IQ1RY (IZ1LBG) 2,659,589 IT92MX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858	PU2NBI	Y08WW	950 902 608 157,842 18,038 79,980 66,400	YL10CWO     3,137,197       LY5W     3,048,514       IK4RQJ     2,477,167       TC7G     2,232,066       DF70DARC     1,566,720       DQ4W     1,249,438       NA5NN     1,055,250       ED3D     947,646	N30E
IQ1RY (IZ1LBG) 2,659,589 IT92MX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 418A 1,153,359	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A)	YO8WW DLZTM JRZEKD 14 MHz UTZEF HG3IPA (HA3JB) YU1NR RQ7R HA3HX	950 902 608 157,842 118,038 79,980 66,400 50,337	YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646	N30E     2,960,342       GB60ATG (GW4SKA)     2,543,234       IK2XDE     2,037,184       R5AJ     2,014,272       S5ØRY (S53K)     1,994,039       K07SS     1,988,746       T6A (S53R)     1,879,818       K90M     1,717,296
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S5ZX 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858 EA1B 1,010,412	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 721SJ 513,513	Y08WW	950 902 157,842 118,038 79,980 66,400 50,337 47,560	YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646 MULTI-OP TWO-TRANSMITTER	N30E 2,960,342 GB60ATG (GW4SKA) 2,543,234 IK2XDE 2,037,184 R5AJ 2,014,272 S50PY (S53K) 1,998,746 T6A (S53R) 1,879,818 K90M 1,717,296 DL0HMK (DF2HN) 1,663,592 Y03RU 1,647,300
IO1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7215J 513,513 IP9IPY (IT9YMM) 484,058	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 D04W 1,249,438 NA5NN 1,055,250 ED3D 947,646 MULTI-OP TWO-TRANSMITTER ALL BAND	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UN6LN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 611,892 EATX 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 D04W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400	N30E 2,960,342 GB6ØATG (GW4SKA) 2,543,234 IK2XDE 2,037,184 R5AJ 2,014,272 S5ØRY (S53K) 1,994,039 KO7SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DLØHMK (DF2HN) 1,663,592 Y03RU 1,647,300  LOW POWER RT9S 2,639,175
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858 EA1B 1,010,412 TMHz EB8AH (0H4KA) 5,164,830 IZ4NIG 4,309,540	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7215J 513,513 IP9IPY (IT9YMM) 484,058	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646 MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324	N30E 2,960,342 GB60ATG (GW4SKA) 2,543,234 IK2XDE 2,037,184 R5AJ 2,014,272 S50RY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DL0HMK (DF2HN) 1,663,592 Y03RU LOW POWER RT9S 2,639,175 UR6EA 2,131,844
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 721SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UN6LN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 511,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G UX8ZA SP4LVK YU1RH		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 D04W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP9A 8,984,146	N30E 2,960,342 GB6ØATG (GW4SKA) 2,543,234 IK2XDE 2,037,184 R5AJ 2,014,272 S5ØRY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DLØHMK (DF2HN) 1,663,592 Y03RU 1,647,300  LOW POWER RT9S 2,639,175 UR6EA 2,131,844 DK9IP 2,002,752 IK3TPP 1,982,460
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858 EA1B 1,010,412  7 MHz EB8AH (OH4KA) 5,164,830 IZ4NIG 4,309,540 OMZVL 3,829,228 WG50O (N800) 2,875,904 ED1R (EA1TL) 2,559,496	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz Z32ID 1,832,370	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630	N30E 2,960,342 GB60ATG (GW4SKA) 2,543,234 IK2XDE 2,071,184 R5AJ 2,014,272 S50RY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DLØHMK (DF2HN) 1,663,592 Y03RU 1,647,300  LOW POWER RT9S 2,639,175 UR6EA 2,131,844 DK9IP 2,002,752 IK3TPP 1,982,460 EW7BA 1,61,400
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858 EA1B 7 MHz EB8AH (OH4KA) 5,164,830 IZ4NIC 4,309,540 OM2VL 3,829,228 WQ50O (N800) 2,2875,904 ED1R (EATLL) 2,599,496 FUTU 2,589,312	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 721SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UN6LN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 511,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz Z32ID 1,832,370 YU5R (YT2AAA) 1,556,516 329M (S09UM) 1,544,306	Y08WW		YLLIØCWO	N30E 2,960,342 GB6ØATG (GW4SKA) 2,543,234 IK2XDE 2,037,184 R5AJ 2,014,272 S5ØRY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DLØHMK (DF2HN) 1,663,592 Y03RU 1,647,300  LOW POWER RT9S 2,639,175 UR6EA 2,131,844 DK9IP 2,002,752 IK3TPP 1,982,460 EW7BA 1,601,400 UZ1WW 1,556,610 CR50 (CT7AJL) 1,485,143
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (US0YW) 611,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 US0MM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FUK) 1,196,972	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224 NCØDX 3,3932,544 NCØDX 3,392,544 NV1K 3,667,794	N30E 2,960,342 GB6ØATG (GW4SKA) 2,543,234 IK2XDE 2,014,272 S50RY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DLØHMK (DF2HN) 1,663,592 Y03RU 1,647,300 LOW POWER RT9S 2,639,175 UR6EA 2,131,844 DK9IP 2,002,752 IK3TPP 1,982,460 EW7BA 1,601,400 UZ1WW 1,556,610 CR50 (CT7AJL) 1,485,143 DL/KUTCW (KUTCW) 1,478,598
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858 EA1B 1,010,412  T MHZ  EB8AH (OH4KA) 5,164,830 IZ4NIC 4,309,540 OM2VL 3,829,228 WQ50O (N800) 2,875,904 ED1R (EATTL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 S51CK 2,2315,998	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YU5R (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224 NC0DX 3,932,544 WV1K 3,667,794 WV4P 3,175,836	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 I23IBL 754,390 UN6LN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 511,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 329M (SQ9UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G. UX8ZA SP4LVK YU1RH  7 MHz LY5G A71AE YT5DEY. JA6GCE E77T		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224 NCØDX 3,3932,544 NCØDX 3,392,544 NV1K 3,667,794	N30E 2,960,342 GB6ØATG (GW4SKA) 2,543,234 IK2XDE 2,014,272 S50RY (S53K) 1,994,039 K07SS 1,988,746 T6A (S53R) 1,879,818 K90M 1,717,296 DLØHMK (DF2HN) 1,663,592 Y03RU 1,647,300 LOW POWER RT9S 2,639,175 UR6EA 2,131,844 DK9IP 2,002,752 IK3TPP 1,982,460 EW7BA 1,601,400 UZ1WW 1,556,610 CR50 (CT7AJL) 1,485,143 DL/KUTCW (KUTCW) 1,478,598
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 721SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FUK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884 J35X 1,035,414	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 NA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224 WV1K 3,667,794 WV4P 3,175,836 NB3R 3,158,400	N30E
IQ1RY (IZ1LBG) 2,659,589 IT9ZMX 2,315,193 S52X 2,090,880 EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 RA9Y 1,265,616 4L8A 1,153,359 N4BP 1,106,858 EA1B 1,010,412  7 MHz EB8AH (OH4KA) 5,164,830 IZ4NIC 4,309,540 OMZVL 3,829,228 WQ50O (N80O) 2,875,904 ED1R (EATTL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 S51CK 2,210,908 K9OM 1,717,296	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GISNI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884 J35X. 1,035,414 IZ3NXC 950,274	Y08WW		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 MA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224 NC0DX 3,932,544 WV1K 3,667,794 WV4P 3,175,836 NB3R 3,158,400	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 I23IBL 754,390 UN6LN 731,124 GI5NI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 3Z9M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884 J35X 1,035,414 IZ3NXC 950,274	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G. UX8ZA SP4LVK. YU1RH  7 MHz LY5G A71AE YT5DEY. JA6GCE E77T. DG3EK DJ3GE C08RCP		YL10CWO	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UNGLN 731,124 GISNI (MIØSAI) 665,712 UR2Y (USØYW) 611,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884 J35X. 1,035,414 IZ3NXC 950,274	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR RQ7R HA3HX IZ2JPN NK5G UX8ZA SP4LVK YU1RH  7 MHz LY5G A71AE. Y15DEY JA6GCE E77T DG3EK DJ3GE C08RCP N3CRT		YL10CWO	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A)	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G. UX8ZA SP4LVK. YU1RH  7 MHz LY5G A71AE YT5DEY. JA6GCE E77T. DG3EK DJ3GE C08RCP		YL10CWO 3,137,197 LYSW 3,048,514 IK4RQJ 2,477,167 TC7G 2,232,066 DF70DARC 1,566,720 DQ4W 1,249,438 MA5NN 1,055,250 ED3D 947,646  MULTI-OP TWO-TRANSMITTER ALL BAND CR3DX 21,011,400 S51A 9,846,324 DP7D 9,597,284 DP9A 8,984,146 K9CT 8,218,630 W3GH 4,326,224 NCØDX 3,3932,544 WV1K 3,667,794 WV4P 3,175,836 NB3R 3,158,400  MULTI-OP MULTI-TRANSMITTER ALL BAND 9A1A 16,273,408	N30E
IQ1RY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UN6LN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 511,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YU5R (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884 J35X 1,035,414 IZ3NXC 950,274 Z33F 902,480 IW1PNJ 882,000	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G. UX8ZA SP4LVK. YU1RH  7 MHz LY5G. A71AE YT5DEY. JA6GCE E77T. DG3EK DJ3GE C08RCP N3CRT GMØHVS		YL10CWO	N30E
IQTRY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UN6LN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 511,892 EATX 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YUSR (YT2AAA) 1,556,516 379M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IPSK (IT9AHI) 1,078,884 J35X 1,035,414 IZ3NXC 950,274 Z33F 902,480 IW1PNJ 882,000  3.5 MHz OK6T (OK1WCF) 1,115,520	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G UX8ZA SP4LVK YU1RH  7 MHz LY5G A71AE YT5DEY JA6GCE E77T DG3EK DJ3GE C08RCP N3CRT GMØHVS  3.5 MHz		YLLIØCWO	N30E
IO1PY (IZ1LBG)	PU2NBI 8,184 PY2XC 5,805  14 MHz  AN1PM (EC1A) 836,140 IZ3IBL 754,390 UN6LN 731,124 GI5NI (MI0SAI) 665,712 UR2Y (USØYW) 511,892 EA1X 578,556 7Z1SJ 513,513 IP9IPY (IT9YMM) 484,058 USØMM 457,560 EA8W 390,264  7 MHz  Z32ID 1,832,370 YU5R (YT2AAA) 1,556,516 329M (S09UM) 1,544,306 G8X (G4FJK) 1,196,972 PZ5RA 1,101,204 IR9K (IT9AHI) 1,078,884 J35X 1,035,414 IZ3NXC 950,274 Z33F 902,480 IW1PNJ 882,000	Y08WW DL2TM JR2EKD  14 MHz UT2EF HG3IPA (HA3JB) YU1NR R07R HA3HX IZ2JPN NK5G. UX8ZA SP4LVK. YU1RH  7 MHz LY5G. A71AE YT5DEY. JA6GCE E77T. DG3EK DJ3GE C08RCP N3CRT GMØHVS		YL10CWO	N30E

by Vlad, UN6LN; and Simon, GI5NI (MIØSAI).

Mauricio, PY2CX, dominated the 36 entries on 15 meters with 409 contacts.

Osvaldo, L55D, was the sole 10meter entry and had 24 QSOs with 23 prefix multipliers.

# **High Power (1,058)**

Ed, P49X (WØYK) won All Band from South America while Chris, SN7Q, took second from Europe and relative newcomer Bill, ZF2WF (W9KKN), was third from North America. Victor, UW1M (UR5MW), was fourth and Bud, AA3B, in fifth, also won the USA.

Jan, OL9A (OK2ZAW), took a decisive first on 80 meters with Mac, SN2M (SP2XF), second and Jan, OL4C (OK1WCF), in third. Michael, WK1Q (K1MK), in 9th below eight European stations, set a new North America record.

Kari, EB8AH (OH4KA), ran ahead of the large 40-meter pack to set a new Africa record. Nicola, IZ4NIC, was second and Laszlo, OM2VL, was third while

Vic, WQ500 (N800), won North America in fourth.

Filippo, IQ1RY (IZ1LBG), won 20 meters with slightly fewer QSOs than second-place Vittorio, IT9ZMX, but had 80 more prefix multipliers. Tadei, S52X, was third; followed by Jesus, EC1KR, and Luka, 9A5D (9A7Z).

Eugenio, CV7S (CX7SS), won 15 meters again this year. Rene, LU7HN, was close behind.

Cort, NA4W (K4WI), won 10 meters with 24 contacts in almost 2 hours.



Mubarak, A71AE, took second place in Single Operator, 40-meter QRP category.



Marco, DJ7MH, (left) and Joel, LX1ER, (right) operating DP7D in Multi-2.

SINGLE OPERAT	OR	14 MHZ			MULTI-0
ASSISTED HIGH PO	OWER	NG60 (K6GHA)	144,240	SI	NGLE-TRANS
ALL BAND		NØGOS	22,932		LOW POW
AA3B	5.820.840	WØYJT			ALL BAN
AK1W (K5ZD)		KC7V		NA5NN	
NV9L (WB9Z)		WA7SHP	8.814	WB9TFF	
KF3P (K3MM)		N6MA			
N3QE		K4FT		WS\$\$7	
ACØC		ND4G		***************************************	
W4PK		K6ST			MULTI-0
KS7AA (WK6I)		KJØP		1	TWO-TRANSI
W3FV					ALL BAN
WK7S (K6LL)		7 MHZ		KACT	7122 0711
WK70 (NOLL)	2,000,000	NU4E	697 872		
28 MHZ		AE4ED			
NA4W (K4WI)	726	AB1J			
W5PR		KK4HEG		WV/AP	
**VI 11		K5IB		NR3D	
21 MHZ		W2VTV			
K1SFA (K1MK @K1TTT)	24.840	W3IDT			
AJ4VE		W6HGF			
/U+√E		W1FSH			
14 MHZ		WB9W0Z		WU3K	
N4BP	1 100 050	WB9WUZ	22,134		MULTI-0
		3.5 MHZ			
W9ILY			45.000	IV	IULTI-TRANS All ban
N2MM		K5ND		I/A ADDII	
K6HGF		KB4KBS			
K8YE		W7CD			
N7BV		KA5W	2,340	N30W	
K5QR					
WA7AN (K9DR)		ASSISTED			ROOKIE
WTØDX		QRP			HIGH POW
WA2PCN	18,048	ALL BAND			
		N2WK		NA6US	
7 MHZ		K2YG			
WQ500 (N800)		WE6EZ			LOW POW
K90M		WAØMN (NØUR)			09LSV)
K8IA		W6QU (W8QZA)			
WJ2D		K4LPQ			
W9PA		KEØTT	4,704		
N7US		N6HI			
KSØAA		N8URE			
KT6V		W1IG	1,770		
NR40					
W3LL	32,088	14 MHZ		AE8AT	
		NK5G	44 902		
3.5 MHZ		WT1L			TRIBANDER/
WK1Q (K1MK @K1TTT)		K3TW			HIGH POW
NJ4U (K4EA)		1.01 #			
KZ7X (W6RW @W6RW)		7 MHZ		K07SS	
WRØH		N3CRT	26 600	K90M	
W5MX		WAED			
NØOK		W4ER	13,490		
K2TW					
KE3GK		3.5 MHZ			RET)
		KH6KG/W5 (KH6KG/W5)			
		WD9FTZ			
WA3FRP	1 848				
WA3FRP	1,848	W2NTN	18,252	Wachn	
WA3FRP K9DUR	1,848			W2CD0	
WA3FRPK9DURASSISTED		W2NTN		W2CD0	
WA3FRP K9DUR ASSISTED LOW POWER		W2NTNKB2HSH	4,160		LOW POW
WA3FRP K9DUR ASSISTED LOW POWER ALL BAND		W2NTNKB2HSHMULTI-OP	4,160	NU4E	LOW POW
WA3FRPASSISTED LOW POWER ALL BAND	2,112,033	W2NTNKB2HSHMULTI-OP SINGLE-TRANSN	4,160 MITTER	NU4E W4LC	LOW POW
WA3FRP	2,112,033	W2NTNKB2HSHMULTI-OP SINGLE-TRANSN HIGH POWE	4,160 MITTER ER	NU4E W4LC NØGZ	LOW POW
WA3FRPK9DURASSISTED LOW POWER	2,112,033 1,521,704 1,340,889	W2NTNKB2HSHMULTI-OP SINGLE-TRANSN	4,160 MITTER ER	NU4E W4LG NØGZ WA3LXD	LOW POW

.641.356

620 880

552,750

.539,148

.464.184

.437,987

21 MHZ

14 M	ш7	MULTI-OP	
NG60 (K6GHA)		SINGLE-TRANSM	ITTER
NØGOS		LOW POWER	
WØYJT		ALL BAND	-
KC7V		NA5NN	1,055,250
WA7SHP	8,814	WB9TFF	227,504
N6MA	7,040	K3GP	
K4FT		WS\$\$Z	55,151
ND4G			
K6ST KJØP	580	MULTI-OP	
KJØP	15	TWO-TRANSMIT	TTER
		ALL BAND	
<b>7 M</b> NU4E		K9CT W3GH	8,218,630
NU4E AE4ED		NCØDX	
AB1J		WV1K	
KK4HEG	223 210	WV4P	3 175 836
K5IB		NB3R	3 158 400
W2VTV		AC3BU	
W3IDT		NW8S	
W6HGF	75,456	K3CCR	1,197,979
W1FSH	58,716	WU5K	1,021,644
WB9W0Z	22,134		
		MULTI-OP	
3.5 N K5ND		MULTI-TRANSMI All band	TTER
KB4KBS		KA4RRU	1 217 010
W7CD		NR60	
KA5W	2 340	N30W	
ASSIS	TED	ROOKIE	
QR		HIGH POWE	
ALL B		K6KM	
N2WK	408,930	NA6US	43,815
K2YG		LOW DOWE	
WE6EZ	125,376	LOW POWER W9JWC (KD9LSV)	
WAØMN (NØUR) W6QU (W8QZA)	124,218	AA8SW	
K4LPQ		KC300L	
KEØTT	4 704	N8JLM	
N6HI	4 500	KB7AK	
N8URE	1.972	KC30SK	11,033
W1IG	1,770	K1TIG	
		WRØJ	
14 N	HZ	AE8AT	352
NK5G	44,992	TRIBANDER/WI	DEC
WT1L		HIGH POWE	
K3TW	900	N3QE	
7 M	117	K07SS	
N3CRT		K90M	
W4ER		ND9G	1,552,015
W4EN	13,490	K2XR	1,303,500
3.5 N	1117	WW5M	
ا مین KH6KG/W5 (KH6KG/W		WX2NJ (K2RET)	1,260,396
WD9FTZ		AD5XD	1,066,362
W2NTN	18 252	W6SX	
KB2HSH	4.160	W2CD0	1,023,295
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LOW POWER	3
MULT	I-0P	NU4E	
SINGLE-TRA		W4LC	
HIGH P		NØGZ	
ALL B		WA3LXD	
AK6A		K9CW	
K5RZA		K2QB	
K3AJ		KV2U (K2AL)	
KT7E		WB8BZK	
K2ADA		AB1J	
KN4BIT KA6BIM	1 014 405	K2YG	301,376
KT1I			
ND2T			

.301.840

KF20

W4I C

W3KB

NØGZ

WN6K

KE3K

N2HX

Thanks as always for such enjoyable contests ... AE1EZ Enjoyable contest ... GMØOPS
I had some fun, and enjoyed the time I had ... GUØSUP Always great fun ... IW1CBG
I enjoyed the contest very much! ... JA1CCH Had fun working the contest! ... KEØYI Good contest. See you again friends ... OK2SWD Thank you for the nice contest ... RA3XEV Very good contest! ... YV5KAJ Had big fun ... W3GH

# Multi-Operator (125)

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

MSL	MSH	M2	MM
36	56	21	12

# Multi-Single Low Power (36)

9A7T (9A2EU, 9A5MR) prevailed over ES9C (ES3TI, ES4NY, ES5JR, ES5QA, ES5RY, ES5MAIN, ES5KAAR, and ES5MIKE). TC7G (TA7AZC, TA7LMI, TA7LMN, TA1HZ, and TA7EB) was the top non-European station, in 6<sup>th</sup> place overall, breaking the Asian record the group set in 2019. Ops

included three youths, ages 14, 18, and 21, plus two adults as support. NA5NN (K2FF and W5UE) was 9<sup>th</sup> for the top North America entry.

# Multi-Single High Power (56)

DR5N (DJ9DZ, DK5OS, and DL9YAJ) eked out the win over a virtual tie with J42L (SV2KF, SV2AEL, SV2BXA, and SV2DCD). The next three places were also tightly clustered in score: EC5V (EC5V, EA1CJ, EA5AQB, EC5W, EB5BQC, EA5EY, and EA5IPM), UZ2I (UT2II, UT2IV, UY2IF, US2IR, and US1ITU), and OG73X (OH8WW, OH8GDU, OH8KA, OH8KTN, OH2HAN, and OH6CT). AK6A (AK6A and K2PO) won North America and HU1DL (DH8WR, DJ6TF, and DL4SVA) won South America.

# Multi-Two (21)

CR3DX (CT3DZ, CT3EN, CT3FW, CT3KY, OK1HRA, and OM2KW) won, falling short of the world record they set in 2019. S51A (F5RAV, DJ5CT, S53F, S55KZ, S57PM, S56DE, S55LL, S53NW, S50LD, S56B, S51ZJ, and S51TC) and DP7D (DF1QR, DH8AF, DJ4MH, DL1REM, DL3YCX, and LX1ER) nearly tied once again this year, but switched positions for 2<sup>nd</sup> and 3<sup>rd</sup>, respectively. K9CT (Al9T, K9WX, N9CK, K9NR, KT9L, and K9CT) was again first in North America for fourth place worldwide.

	2012 201	AMALIANDY DTTV:	TOD FUDO	DE COOREO			
	2019 CQ1	WW WPX RTTY	TOP EURC	PE SCORES			
SINGLE OPERATOR	DL3BQA1,324,320	3.5 Mi	łΖ	3.5 MH	IZ	LX2ØI	9,224,970
ASSISTED HIGH POWER	SP5DL765,000		1,115,520	Y09BCM	206,586	OMØM	7,528,164
ALL BAND	EU8A554,20			UT1AM		DKØKC	
SN7Q (SP7GIQ)7,476,770		UZ2HZ		YL3FW		MØSQC	
UW1M (UR5MW)6,046,320	ASSISTED	F1AKK		UT8UU		DG7R0	2,485
UA4M (RL4R)5,183,171	LOW POWER	I1WXY		CR6A (CT1IUA)			
HG8R (HA8JV)5,172,432	ALL BAND	HA8WY		0P4A			DKIE
LY7Z4,741,347	IK6VX05,463,70			DQ5M (DK6SP)	2		POWER
ER4A (UT5UDX)4,363,320	TM3Z (F4DSK)5,311,410	LZ33E				9A5AAX (DJ4MX)	
I2WIJ4,338,720	IT9RGY/45,294,49			MULTI-		EU8A	
EMØI (UT2IZ)3,966,304	US2YW3,574,208		514,692	SINGLE-TRAN		SP9PUZ	
\$53X3,676,290	LY6A3,238,239			HIGH PO		IU1LCU	1/5,123
EA1AKS3,621,024	EA4GOY2,544,75	ASSIST		ALL BAI		1000	OWED
21 MHZ	UT4LW2,485,050	5 UKP		DR5N		LOW P	
	UR6EA2,131,84			J42L		EA7KHB	
IZ4COW79,704	UX1UX2,055,504			EC5V		EU8F	
RN6A	DD2ML2,055,16	DK7HA OK2FD		UZ2I 0G73X		R2PU HA1TIB	
IK3ASM3,948							
TM5J (F5TMJ)2,618 Y03LW390	21 MHZ	EU8F YU1LM		SX2I LZ6Y		LZ2ZY IU3LYJ	
	YT8A (YU1EA)29,16			LZ6Y		UR4MH	
GX4GA (G4IRN)27	UR5QÙ28.56			0K1KSL			
14 MHZ	G9D (G6NHU)2,574	4 MM3AWD		0E9R		EA4C I4JEE	
	IT9RŽU1,70			0E9H	2,014,040	SP9KB	
IQ1RY (IZ1LBG)2,659,589	SV5DKL64			MULTI-	nn.	5P9KB	45,066
IT9ZMX2,315,193 S52X2.090.880	PA2REH35		285,995	SINGLE-TRAN		TRIBANDI	-DAMIDEC
	HB3YGD324	1 24 MI	17				
EC1KR1,814,652	HB3YGD324 EA1BDX18			LOW POV	VER	HIGH F	POWER
EC1KR		) IZ3NVR	990	LOW POV	VER ND	HIGH F GB6ØATG (GW4SK	POWER (A)2,543,234
EC1KR	EA1BDX18	0 IZ3NVR 3 Y08WW	990 950	LOW POV ALL BAI 9A7T	VER ND 3,892,911	HIGH F GB6ØATG (GW4SK IK2XDE	POWER (A)2,543,234 2,037,184
EC1KR	EA1BDX	) IZ3NVR	990 950	9A7TES9C	VER ND 3,892,911 3,318,435	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ	POWER (A)2,543,2342,037,1842,014,272
EC1KR	EA1BDX	D IZ3NVR	990 950 902	POW POW ALL BAI 9A7TES9CYL1ØCWO	VER ND 3,892,911 3,318,435 3,137,197	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K)	POWER (A)2,543,2342,037,1842,014,2721,994,039
EC1KR	EA1BDX	D IZ3NVR		POW POW ALL BAI 9A7T ES9C YL1ØCWO LY5W	VER ND 3,892,911 3,318,435 3,137,197 3,048,514	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN)	POWER (A)2,543,2342,037,1842,014,2721,994,0391,663,592
EC1KR	EA1BDX	123NVR	990 950 902 IZ 157,842	POW POW ALL BAI 9A7T	VER ND 3,892,911 3,318,435 3,137,197 3,048,514 2,477,167	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU	POWER (A)2,543,2342,037,1842,014,2721,994,0391,663,5921,647,300
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868	EA1BDX	123NVR	990 950 902 <b>IZ</b> 157,842 118,038	LOW POV ALL BAI 9A7T E59C YL1ØCWO LY5W IK4RQJ DF7ØDARC	VER ND	HIGH F GB6ØATG (GW4SK IK2XDE R5AJS5ØRY (S53K) DLØHMK (DF2HN) YO3RU SV2ESW	POWER (A)
EC1KR	EA1BDX 18i SP4DC 9; IZ50QX 90 14 MHZ AN1PM (EC1A) 836,14i IZ3IBL 7,754,39i GI5NI (MIØSAI) 665,71	123NVR		LOW POV ALL BAI 9A7T	VER ND3,892,9113,318,4353,137,1973,048,5142,477,1671,566,7201,249,438	HIGH F GB6ØATG (GW4SK IK2XDE	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368
EC1KR	EA1BDX	123NVR		LOW POV ALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D	VER ND 3,892,911 3,318,435 3,137,197 2,477,167 2,477,167 1,566,720 1,249,438 947,646	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432
EC1KR	EA1BDX 188 SP4DC 99 1Z50QX 99  14 MHZ  AN1PM (EC1A) 836,144 1Z3IBL 754,399 GI5NI (MIØSAI) 665,712 UR2Y (USVYW) 611,892 EA1X 578,551	123NVR		LOW POV ALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D S57ZT	VER VD 3,892,911 3,318,435 3,137,197 3,048,514 2,477,167 1,566,720 1,249,438 947,646 882,205	HIGH F GB6ØATG (GW4SK IK2XDE	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432
EC1KR	EA1BDX 18/ SP4DC 99/ IZ50QX 99/  14 MHZ  AN1PM (EC1A) 836,14/ IZ3IBL	123NVR		LOW POV ALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D	VER VD 3,892,911 3,318,435 3,137,197 3,048,514 2,477,167 1,566,720 1,249,438 947,646 882,205	HIGH F GB6ØATG (GW4SK IK2XDE. R5AJ. S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW. IW3FVZ DL6JZ IX1CLD	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650
EC1KR	EA1BDX 188 SP4DC 99 1Z50QX 99  14 MHZ  AN1PM (EC1A) 836,144 1Z3IBL 754,399 GI5NI (MIØSAI) 665,712 UR2Y (USVYW) 611,892 EA1X 578,551	123NVR	990 950 902 IZ 157,842 118,038 79,980 66,400 50,337 47,560 44,415	LOW POV ALL BAI 9A7T	VER VD 3,892,911 3,318,435 3,137,197 2,477,167 1,566,720 1,249,438 947,646 882,205 459,900	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 Y11X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YUTU 2,589,312 GB6ØATG (GW4SKA) 2,543,234	EA1BDX 188 SPADC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A)	123NVR	990 950 902 1Z 157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790	LOW POV ALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D S57ZT OK1RPL	VER VD 3,892,911 3,318,435 3,137,197 3,048,514 2,477,167 1,566,720 1,249,438 947,646 882,205 459,900 DP	HIGH F GB6ØATG (GW4SK IK2XDE. R5AJ. S5ØRY (S53K) DLØHMK (DF2HN) Y03RU. SV2ESW. IW3FVZ. DL6JZ. IX1CLD LOW F	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,11,432 1,078,650 POWER 2,131,844
EC1KR	EA1BDX 188 SP4DC 99 1Z50QX 99  14 MHZ  AN1PM (EC1A) 836,144 1Z31BL 754,399 G15N1 (MI0SAI) 665,71 UR2Y (USVYW) 611,899 EA1X 578,551 1P91PY (IT9YMM) 484,055 USØMM 457,561	123NVR		LOW POV ALL BAI 9A7T	VER ND	HIGH F GB6ØATG (GW4SK IK2XDE. R5AJ S5ØRY (S53K) DLØHMK (DF2HN) YO3RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,002,752
EC1KR	EA1BDX 18/ SP4DC 99/ IZ50QX 99/  14 MHZ  AN1PM (EC1A) 836,14/ IZ3IBL 754,39/ GI5NI (MIØSAI) 665,71: UR2Y (USVVW) 611,89: EA1X 578,555 IP9IPY (IT9YMM) 484,05: USØMM 457,56/ IK5AMB 384,47: SV1JG 372,49/	123NVR		LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI- TWO-TRANS ALL BAI	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,002,752 1,982,460
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 Y1T1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 S51CK 2,210,908 HG1G 1,462,680	EA1BDX 18/ SP4DC 99/ IZ50QX 99/  14 MHZ  AN1PM (EC1A) 836,14/ IZ3IBL 754,39/ GI5NI (MIØSAI) 665,71: UR2Y (USVVW) 611,89: EA1X 578,555 IP9IPY (IT9YMM) 484,05: USØMM 457,56/ IK5AMB 384,47: SV1JG 372,49/	123NVR		LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4ROJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI- TWO-TRANS ALL BAI S51A	VER ND 3,892,911 3,818,435 3,137,197 3,048,514 2,477,167 1,566,720 1,249,438 947,646 882,205 459,900 DP MITTER ND 9,846,324	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD UR6EA DK9IP IK3TPP EW7BA	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,002,752 2,002,752 1,982,460 1,601,400
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 SS1CK 2,210,908 HG1G 1,462,680 F4HJU 117,376	EA1BDX 188 SP4DC 99 IZ50OX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ3IBL 754,399 GI5NI (MIØSAI) 665,71: UR2Y (USVVW) 611,89: EA1X 578,555 IP9IPY (IT9YMM) 484,05: USØMM 457,56i IK5AMB 384,47: SV1JG 372,49: S52OT 350,056	21 MP 23 IZ3NVR	990 950 902 IZ 157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 10,336	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D S57ZT OK1RPL MULTI- TWO-TRANS ALL BAI DP70	VER ND	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL)	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,102,752 1,982,460 1,601,400 1,556,610 1,485,143
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 Y11X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 S51CK 2,210,908 HG1G 1,462,680	EA1BDX 188 SP4DC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ3IBL	21 MP 23 IZ3NVR	990 950 950 902 IZ 157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 10,336 Z	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI- TWO-TRANS ALL BAI S51A DP7D DP9A	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL)	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 S51CK 2,210,908 HG1G 1,462,680 F4HJO 1,117,376	EA1BDX 188 SP4DC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ31BL 7,54,399 G15N1 (MIØSAI) 665,71 UR2Y (USVYW) 611,89 EA1X 578,55 USØMM 457,561 IK5AMB 384,47 SV1JG 372,49 S52QT 350,050  7 MHZ  Z32ID 1,832,37 YUSR (YT2AAA) 1,555,51	123NVR		LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4ROJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI-TWO-TRANS ALL BAI S51A DP7D DP9A LN5O	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1GLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 Y11X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z30A) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 S02A 2,354,104 S51CK 2,210,908 HG1G 1,462,680 F4HJO 1,117,376 UR5SD 1,023,408	EA1BDX 188 SP4DC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ3IBL	123NVR	990 950 902 IZ 157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 10,336 Z 163,812 108,190 92,184	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI- TWO-TRANS ALL BAI S51A DP7D DP9A	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) YO3RU SV2ESW IW3FVZ DL6JZ IX1CLD UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1C)	POWER (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650 POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 1,478,598 1,478,598 1,475,905
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 7777,975 SZ1A (SV1CIB) 770,868  7 MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SQ2A 2,354,104 SS1CK 2,210,908 HG1G 1,462,680 F4HJO 1,117,376 URSSD 1,023,408	EA1BDX	21 MP 23 IZ3NVR	990 950 950 902 IZ  157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 10,336 Z  163,812 108,190 92,184 63,196	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4ROJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI-TWO-TRANS ALL BAI S51A DP7D DP9A LN5O	VER VD 3,892,911 3,318,435 3,137,197 3,048,514 2,477,167 1,566,720 1,249,438 947,646 882,205 459,900  DP MITTER ND 9,846,324 9,597,284 8,984,146 242,606 106,704	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1CN UT5EPP	POWER  (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650  POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 W) 1,478,598 1,475,005 1,400,850
EC1KR	EA1BDX 180 SP4DC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ31BL 7,54,399 G15N1 (MIØSAI) 665,71 UR2Y (USVYW) 611,89 EA1X 578,55 USØMM 457,56 IK5AMB 384,47 SV1JG 372,49 S52QT 350,050  7 MHZ  Z32ID 1,832,37 YUSR (YT2AAA) 1,556,51 329M (SQ9UM) 1,544,300 G8X (G4FJK) 11,96,97 IR9K (IT9AHI) 1,078,88	21 MP 23 IZ3NVR		LOW POV ALL BAI	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1C\ UT5EPP CT7AUP	POWER  (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650  POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 W) 1,478,598 1,475,005 1,400,850
EC1KR	EA1BDX 188 SPADC 99 IZ500X 99  14 MHZ  AN1PM (EC1A)	21 MP 23 IZ3NVR	990 950 950 902  IZ  157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 103,336  Z  163,812 108,190 92,184 63,196 59,890 34,144	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D S57ZT OK1RPL MULTI-TWO-TRANS ALL BAI S51A DP70 DP9A LN5O ED2V MULTI-I	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1C\ UT5EPP CT7AUP	POWER  (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650  POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 W) 1,478,598 1,475,005 1,400,850
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 S02A 2,354,104 S51CK 2,210,908 HG1G 1,462,680 F4HJO 1,117,376 UR5SD 1,023,408  0L9A (OK2ZAW) 3,128,400 SNZM (SP2XF) 2,510,244	EA1BDX 180 SP4DC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ3IBL 754,399 GI5NI (MIØSAI) 665,71 UR2Y (USVYW) 611,89 EA1X 578,55 USØMM 457,560 IK5AMB 384,47 SV1JG 372,49 SV2D 1832,37 YUSR (YT2AAA) 1,556,51 329M (SQ9UM) 1,544,300 G8X (G4FLIK) 1,196,67 IR9K (IT9AHI) 1,078,88 IZ3NXC 950,27 Z33F 90,248 IW1PNJ 882,000	123NVR   1	990 950 950 902  IZ  157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 10,336  Z 163,812 108,190 92,184 63,196 59,890 34,144 28,884	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4ROJ DF70DARC DO4W ED3D S57ZT OK1RPL MULTI-TWO-TRANS ALL BAI S51A DP7D DP9A LN5O ED2V MULTI-TMANS MULTI-TMANS	VER VD 3,892,911 3,318,435 3,137,197 3,048,514 2,477,167 1,566,720 1,249,438 947,646 882,205 459,900  DP MITTER VD 9,846,324 9,597,284 8,984,146 242,606 106,704  DP SMITTER VD OP	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1C\ UT5EPP CT7AUP	POWER  (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650  POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 W) 1,478,598 1,478,5095 1,478,5005 1,400,850
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (Z3ØA) 777,975 SZ1A (SV1CIB) 770,868  7 MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,589,312 GB6ØATG (GW4SKA) 2,543,234 S02A 2,354,104 S51CK 2,210,908 HG1G 1,462,680 F4HJO 1,117,376 UR5SD 1,023,408  0.93 (MCZZAW) 3,128,400 SN2M (SP2XF) 2,510,244 OL4C 2,211,928 UX2X (UT2XQ) 2,139,552 I4AVG 2,055,636	EA1BDX	123NVR   1		LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF7DDARC DO4W ED3D S57ZT OK1RPL MULTI-TWO-TRANS ALL BAI S51A DP7D DP7D DP9A LN5O ED2V MULTI-TMULTI-TRANS ALL BAI	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1C\ UT5EPP CT7AUP	POWER  (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650  POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 W) 1,478,598 1,475,005 1,400,850
EC1KR 1,814,652 9A5D (9A7Z) 1,738,156 YT1X 1,431,930 EA1B 1,010,412 IU4CHE 922,530 YT5A (230A) 777,975 SZ1A (SV1CIB) 770,868  T MHZ  IZ4NIC 4,309,540 OM2VL 3,829,228 ED1R (EA1TL) 2,599,496 YU7U 2,589,312 GB6ØATG (GW4SKA) 2,543,234 SO2A 2,354,104 S51CK 2,210,908 HG1G 1,462,680 F4HJO 1,117,376 URSSD 1,023,408  3.5 MHZ  OL9A (OK2ZAW) 3,128,400 SNZM (SP2XF) 2,510,244 OL4C 2,211,928 UX2X (UT2XQ) 2,139,552	EA1BDX 180 SP4DC 99 IZ50QX 99  14 MHZ  AN1PM (EC1A) 836,144 IZ3IBL 754,399 GI5NI (MIØSAI) 665,71 UR2Y (USVYW) 611,89 EA1X 578,55 USØMM 457,560 IK5AMB 384,47 SV1JG 372,49 SV2D 1832,37 YUSR (YT2AAA) 1,556,51 329M (SQ9UM) 1,544,300 G8X (G4FLIK) 1,196,67 IR9K (IT9AHI) 1,078,88 IZ3NXC 950,27 Z33F 90,248 IW1PNJ 882,000	123NVR	990 950 950 902  IZ  157,842 118,038 79,980 66,400 50,337 47,560 44,415 31,790 18,612 10,336  Z  163,812 108,190 92,184 63,196 59,890 34,144 28,884 12,508 8,280	LOW POVALL BAI 9A7T ES9C YL10CWO LY5W IK4RQJ DF70DARC DQ4W ED3D S57ZT OK1RPL MULTI-TWO-TRANS ALL BAI DP7D DP9A LN50 ED2V MULTI-THANS MULTI-THANS ALL BAI	VER VD	HIGH F GB6ØATG (GW4SK IK2XDE R5AJ S5ØRY (S53K) DLØHMK (DF2HN) Y03RU SV2ESW IW3FVZ DL6JZ IX1CLD LOW F UR6EA DK9IP IK3TPP EW7BA UZ1WW CR50 (CT7AJL) DL/KU1CW (KU1C\ UT5EPP CT7AUP	POWER  (A) 2,543,234 2,037,184 2,014,272 1,994,039 1,663,592 1,647,300 1,387,512 1,258,368 1,111,432 1,078,650  POWER 2,131,844 2,002,752 1,982,460 1,601,400 1,556,610 1,485,143 W) 1,478,598 1,475,005 1,400,850

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Here is a nice video of the K9CT operation <www.cqwpxrtty.com/k9ct.mp4>. From left to right are: Don, K9NR; Larry, K79L; Tim, K9WX; and Steve, N9CK operating MultiFlex ... two operators using one FlexRadio 6600 radio and one PGXL amplifier per side. You can see them interleaving their run and mult QSOs.

We had great fun ... S51A

## Multi-Multi (12)

World record holder 9A1A (9A5W, 9A9A, 9A6A, 9A7R, 9A7ROR, 9A7C, and 9A8A) again took top honors as has been the case every year since 2012. Second and third places were nearly tied: HG1S (HA1TJ, HA1DAI, HA1SN, HG2DX, and HA1DAE) and LY2W (LY1FW, LY2FN, LY2MM, LY2NY, LY2PAD, LY3VP, and LY4K). KA4RRU (KA4RRU, WA4GSD, WC4J, K4MIL, NR4M, KD6AKC, K3UI, N3ZV, W4GO, and K5OF) and NR6O (K6AW, N6RO, N6WM, NA6O, WD6T, WX5S @ N6RO, mostly remote operation) battled it out in North America with KA4RRU prevailing.

RWØA (RAØAM, RWØAR, RZØAT, RZØAI, RGØA, RAØASG, RØACG, RQØA, RCØAK, and RUØAM) has dominated this category in Asia for two decades, winning 17 of 21 years, breaking the continental record nine times. WPX RTTY is one of this serious team's favorite contests. With seven operating positions, 18 transmit and receive antennas on nine towers from 16 to 50 meters, five receive-only antennas and nine power amplifiers, they are clearly focused on having fun making big scores. Typically, they have two operator positions per band where S&P is quite successful but running is difficult from eastern Asia.

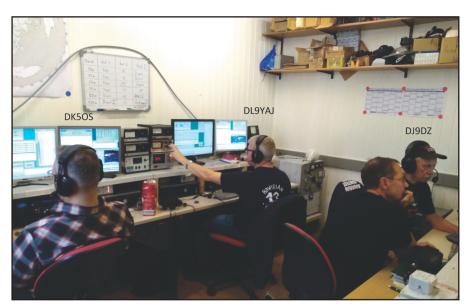
# **Club Competition**

**DX:** The Bavarian Contest Club dominated again this year with 95 logs for first place. Also repeating, the Ukrainian Contest Club finished 2<sup>nd</sup> again with its 55 entries. The Croatian Contest Club, Slovenia Contest Club, Interest Group RTTY, and Italian Contest Club followed.

**USA:** The Northern California Contest Club with 45 logs was 3<sup>rd</sup> worldwide to win the USA competition. The Potomac Valley Radio Club and Frankford Radio Club were next in the USA, with 4<sup>th</sup> and 5<sup>th</sup> place worldwide finishes.

# Closing

A searchable database of the results from every CQ WPX RTTY Contest is



This DR5N team won the Multi Single High Power category: Olaf, DK5OS; Bernd, DL9YAJ; and Vasily, DJ9DZ.

# 2020 WPX RTTY PLAQUE WINNERS AND DONORS

#### SINGLE-OPERATOR HIGH POWER

World: Jeff Blaine, ACØC. Won by: Ed Muns, P49X (op. WØYK)
North America: Marty Sullaway, NN1C. Won by: Bill Fehring, ZF2WF (op. W9KKN)
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: Jeff Stai, KS7AA (op. WK6I)

Europe: FlexRadio Systems. Won by: Krzysztof Sobon, SN7Q (op. SP7GIQ)

Asia: Mike Trowbridge, KA4RRU in memory of Steve Veader, N4DXS. Won by: Takayuki Miyachi, JH4UTP

#### SINGLE-OPERATOR LOW POWER

World: Gerry Treas, K8GT. Won by: Andrea Tonci, IK6VXO North America: Gerry Treas, K8GT. Won by: Victor Paul, V31VP (op. WB0TEV) Europe: FlexRadio Systems. Won by: Dimitri Cosson, TM3Z (op. F4DSK) Asia: Doug Faunt, N6TQS. Won by: Yuri Kotelnikov, RT9S Oceania: Doug Faunt, N6TQS. Won by: Turjiman Kendhagawessi, YE0TUR

# SINGLE-OPERATOR QRP

World: Vlado Karamitrov, N3CZ. Won by: Val Borissov, LZ3RR North America: FlexRadio Systems. Won by: Ilias Nikolaidis, TG9IN

#### SINGLE-OPERATOR SINGLE BAND

World 3.5 MHz: Wray Dudley, AB4SF. Won by: Jan Sustr, OL9A (op. OK2ZAW)
World 14 MHz: Steve "Sid" Caesar, NH7C. Won by: Filippo Vairo, IQ1RY (op. IZ1LBG)
World 14 MHz Low Power: Kenny Young, AB4GG. Won by: Gerardo Guntin, AN1PM (op. EC1A)
World 28 MHz: Steve Booklout, NR4M, and the "Goat Farm Gang". Won by: Courtney Judd, NA4W (op. K4WI)

# MULTI-OPERATOR, SINGLE-TRANSMITTER HIGH POWER

World: Rich Cady, N1IXF. Won by: DR5N (ops. DJ9DZ, DK5OS, DL9YAJ) USA: John Lockhart, W0DC. Won by: AK6A (ops. AK6A, K2PO)

#### MULTI-OPERATOR, SINGLE-TRANSMITTER LOW POWER

USA: FlexRadio Systems. Won by: NA5NN (ops. K2FF, W5UE)

# MULTI-OPERATOR, MULTI-TWO

World: Steve Bookout, NR4M, and the "Goat Farm Gang". Won by: CR3DX (ops. CT3DZ, CT3EN, CT3FW, CT3KY, OK1HRA, OM2KW)

North America: Ed Muns, WØYK. Won by: UNCLAIMED (No non-USA/Canada entrant this contest)
USA: CTRI Contest Group in memory of Chris, KA1GEU (SK). Won by: K9CT (ops. AI9T, K9WX, N9CK, K9NR, K79L, K9CT)

Europe: FlexRadio Systems. Won by: S51A (ops. F5RAV, DJ5CT, S53F, S55KZ, S57PM, S56DE, S55LL, S53NW, S50LD, S56B, S51ZJ, S51TC)

#### MULTI-OPERATOR, MULTI-TRANSMITTER

World: Steve Bookout, NR4M, and the "Goat Farm Gang". Won by: 9A1A (ops. 9A5W, 9A9A, 9A6A, 9A7R, 9A7ROR, 9A7C, 9A8A)

North America: Fred Dennin, WW4LL. Won by: UNCLAIMED (No non-USA/Canada entrant this contest) Canada: FlexRadio Systems. Won by: UNCLAIMED (No Canadian entrant this contest)

# CLUB COMPETITION

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

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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 geographical area in the world. It's a fine way to "level the playing field" and see how one's operating stacks up with more 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 their personal LCR. –WØYK). 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's. This may be due in part to improved log-checking algorithms:

- 1.0% busted (incorrect) received callsign
- 1.7% busted serial number received
- 1.8% NIL (Not In Log)



Taking top honors in the U.S. Multi-2 category was K9CT made up of (I. to r.): Don, K9NR; Larry, KT9L; Tim, K9WX; and Steve, N9CK. Each pair of operators shares one Flex-6600 / PGXL for interleaving run and search & pounce QSOs on one band.

# **2020 WPX RTTY CLUB SCORES**

United States					
Club	# Entrants	Score			
POTOMAC VALLEY RADIO CLUB	59	35,242,211			
NORTHERN CALIFORNIA CONTEST CLUB	45	37,366,397			
POTOMAC VALLEY RADIO CLUB	73	35,034,053			
FRANKFORD RADIO CLUB	39	25,767,904			
SOCIETY OF MIDWEST CONTESTERS					
YANKEE CLIPPER CONTEST CLUB	25	15,198,656			
ARIZONA OUTLAWS CONTEST CLUB					
FLORIDA CONTEST GROUP					
WILLAMETTE VALLEY DX CLUB					
KANSAS CITY CONTEST CLUB					
DFW CONTEST GROUP	16	5,856,451			
CENTRAL TEXAS DX AND CONTEST CLUB	5	5,284,662			
GRAND MESA CONTESTERS OF COLORADO					
TENNESSEE CONTEST GROUP					
MINNESOTA WIRELESS ASSN					
SWAMP FOX CONTEST GROUP	9	2,009,302			
KENTUCKY CONTEST GROUP					
CTRI CONTEST GROUP					
NIAGARA FRONTIER RADIOSPORT	8	1,587,758			
SOUTHERN CALIFORNIA CONTEST CLUB					
ORDER OF BOILED OWLS OF NEW YORK					
METRO DX CLUB	5	1,332,349			
CAROLINA DX ASSOCIATION					
NORTHEAST MARYLAND AMATEUR RADIO CONTES					
NORTH COAST CONTESTERS					
IDAHO DX ASSOCIATION					
SOUTH EAST CONTEST CLUB					
SPOKANE DX ASSOCIATION					
ALABAMA CONTEST GROUP					
MAD RIVER RADIO CLUB					
WESTERN WASHINGTON DX CLUB	6	343,898			
<b>D</b> V					
DX					
BAVARIAN CONTEST CLUB					
UKRAINIAN CONTEST CLUB					
CROATIAN CONTEST CLUB					
SLOVENIA CONTEST CLUB					
INTEREST GROUP RTTY	12	19,476,750			

ITALIAN CONTEST CLUB	20	10 /56 20/
EA CONTEST CLUB		
RUSSIAN CONTEST CLUB		
HA-DX-CLUB	4	12,785,419
RHEIN RUHR DX ASSOCIATION		
CONTEST CLUB ONTARIO		
BALTIC CONTEST CLUB		
ARIPA DX TEAM		
CONTEST CLUB SERBIA		
THRACIAN ROSE CLUB		
ARAUCARIA DX GROUP		
BELARUS CONTEST CLUB		
ORCA DX AND CONTEST CLUB		
RTTY CONTESTERS OF JAPAN		
LATVIAN CONTEST CLUB	4	3,761,601
CONTEST CLUB FINLAND		
RUSSIAN DIGITAL RADIO CLUB	14	2.839.757
CONTEST GROUP DU QUEBEC	8	2 654 075
KRIVBASS	5	2.623.977
YB LAND DX CLUB		
LU CONTEST GROUP		
CATALONIA CONTEST CLUB	5	1 936 539
SP DX CLUB	a	1 660 068
SK5AA VASTERAS RADIOKLUBB		1 264 292
CHILTERN DX CLUB		
VK CONTEST CLUB		
RU-QRP CLUB		
SOUTH URAL CONTEST CLUB		765 462
ARCK	44	601 600
POLISH RADIOVIDEOGRAPHY CLUB	4	091,088
GIPANIS CONTEST GROUP		
RUSSIAN CW CLUB		
RIO DX GROUP		
GMDX GROUP		
DANISH DX GROUP		
SP5PBE		
RADIO CLUB VENEZOLANO CARACAS	4	220,134
GUARA DX GROUP		
CABREUVADX	4	2,974
Club scores with 4 or more entries.		

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# WHAT IS THE BUDDIPOLE? THE BUDDIPOLE™ PORTABLE DIPOLE FITS IN YOUR TRAVEL BAG AND ASSEMBLES IN MINUTES. THE BUDDIPOLE IS MORE THAN AN ANTENNA, IT'S A VERSATILE SYSTEM FOR LAUNCHING YOUR SIGNAL. OPTIMIZED FOR TRANSMIT POWER AND PROVEN FOR DX WORK, THE BUDDIPOLE IS THE SECRET WEAPON USED BY HF PORTABLE OPERATORS ALL OVER THE WORLD.

#### BUDDIPOLE FEATURES

- Multi-band design works 9 bands (40 meters thru 2 meters) with one se of adjustable coils!
- Rated from QRP to 250 watts PEP
- Modular Design create dozens of different antennas with interchangeable parts
- Rotatable/Directiona
- Lightweight, rugged components
- Rotating Arm Kit allows users to instantly change antenna configurations
- Used by Emergency Services Groups throughout the world

#### MINI BUDDIPOLE™



Same quality and performance as the standard Buddipole in a more compact package which easily fits inside a daypack or small suitcase.

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• 5.2% total error rate

See our videos

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• 11.1% score reduction (with penalties and lost mults, score reduction is higher than total 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/plaques.htm>. Contact Rich, N1IXF, at <plaques@cqwwrtty.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 (WorldWide 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 as a 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 27<sup>th</sup> CQ WPX RTTY Contest will be held on 13-14 February 2021. Hook forward to seeing everyone again then!

I drank so much Sunday afternoon and left the contest out, so sorry ... **PY2N** 



Rene, LU7HN's, QTH used to take 2<sup>nd</sup> place in the Single Operator 15 Meter High Power category.

(Scores on page 97)

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