

Results of the 2017 CQWW DX RTTY Contest

BY ED MUNS, WØYK

Eugenio's, CV7S (CX7SS), beautiful sunset on the way to winning SOA 15 LP.

The 31st annual CQ WW DX RTTY Contest flourished despite the solar cycle trough. The daily sunspot numbers for the weekend were 12 and 23, compared to 55 and 30 in 2016.

The decrease in solar activity is reflected in the yearly QSO breakdown by band comparison in the table below. What little 10-meter propagation existed was mostly north-south. The 15-meter QSO percentage continues to decrease and we can expect additional drops in the next few years. Total QSOs were down a bit from 2016 to 1.1 million, and logs received were up marginally to 3,166.

	2014	2015	2016	2017
80	7%	7%	10%	10%
40	16%	21%	24%	27%
20	26%	36%	41%	45%
15	3%	33%	23%	17%
10	18%	4%	2%	1%

Percentage of QSOs in each contest.

There were 143 different countries active and a number of stations worked over 100 of them on a single band. UT4U led the way with 117 countries on 20 meters. US1Q topped 40 meters with 112 while 9A1A led 15 meters with 106. Thirty-seven zones were worked on both 15 meters (I4DZ) and 20 meters (9A1A, EI7M, PI4COM, K9CT, KI1G, YL2KO, UT4U). Interestingly, the highest number of single-band QSOs was 1,883 on 15 meters by CW4MAX. The highest number of single-band US/VE QTHs was 57, achieved by both 9A1A and I4DZ. Overall, 9A1A had the most QSOs (5,265) and multipliers (748). 9A1A had the most countries (435), I4DZ had the most zones (138) and ZF1A had the most US/VE QTHs (220).

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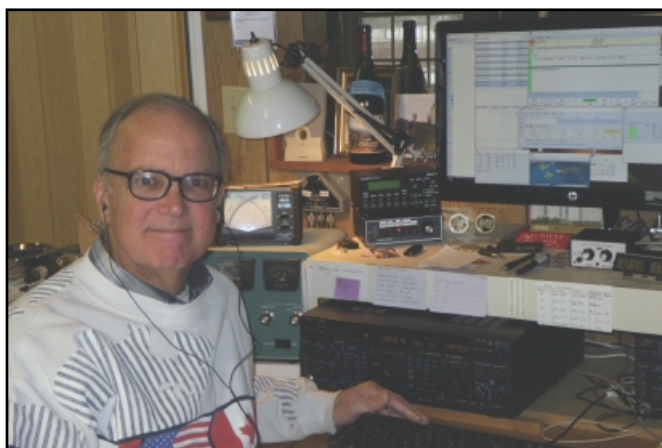
	80	40	20	15	10
QSOs	876	1678	1803	1883	474
Zones	23	35	37	37	18
Countries	73	112	117	1	06
US/VE QTHs	53	54	57	53	38

Maximum statistics by band.

A number of participants posted videos on YouTube including: OHØV, OZ1JTE, KE8M, A44A, NV9L, YE1C, LX7I, 9M2M, PU2WDX, TA9J, KK4JMW, and others.

Single-Op High Power (509 logs received)

Single-Op All Band High Power (372): Richard, CR5V (M5RIC), took top honors with 3.4 million followed by Luca, IK2NCJ, with 2.9 million and Nick, EM0I (UT2IZ), with 2.2 million. Then came Ramon, PZ5RA, with 2.1 million for the South America win and Jeff, W7RN (WK6I), with 2 million taking North America.



Rich, N1IXF, was second place SO AB LP.

TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER ALL BAND

CR5V	3,373,776
IK2NCJ	2,932,160
EMOI	2,240,991
PZSRA	2,144,568
W7RN (WK6I)	2,036,040

28 MHz	
K4WI	3,630
YB2VMC	1,053

21 MHz	
CW4MAX	896,184
CR6T	314,837
LT0H	293,604

14 MHz	
OK7W	895,328
LY80	743,616
W4AAA	685,768

7 MHz	
S50A	649,650
EF9R	474,646
G3TXF	437,088

3.5 MHz	
HA8JV	167,559
EU4E	93,610
OM3IAG	55,676

LOW POWER ALL BAND	
ZZ2T	2,192,916
N11XF	1,400,670
MW2I	1,243,176
MOA	935,415
ON4CT	869,688

28 MHz	
LU9EHU	26,474
CASGRF	4,440
IT9NAN	1,368

21 MHz	
ZV2C	387,338
PJ2TRX	76,010
HK30	67,997

14 MHz	
EE7Y	414,936
HA7TM	252,704
UN6L	186,200

7 MHz	
I3PXN	161,811
OK2VWB	110,853
HS0ZIA	107,536

3.5 MHz	
OM3ZWA	61,760
OK2HBR	54,808
IK3XJP	53,640

ASSISTED HIGH POWER ALL BAND	
K1IG	4,582,492
AAB3	4,509,770
SN70	4,414,689
P3X	3,711,448
OM2VL	3,436,557

28 MHz	
PY1GQ	66,555
N6SS	9,676

21 MHz	
PT2CM	761,040
SN5X	270,144
SV9FBG	236,951

14 MHz	
EA2RY	759,583
YL2KO	735,264
ED1A	718,400

7 MHz	
S52X	730,674
OK3C	580,448
US1Q	543,796

3.5 MHz	
I21LBG	218,500
I4AVG	160,608
I1JTQ	83,830

ASSISTED LOW POWER ALL BAND	
TM3Z	2,130,284
HF9M	1,501,032
UW6E	1,408,113
ZB2TT	1,392,328
CT7AJL	1,272,196

28 MHz	
PY5IJ	10,962
IK2XDE	10,088
YB2ECG	2,261

21 MHz	
CV7S	414,348
IT9XTP	215,536
Z36N	186,846

14 MHz	
CN8KD	446,120

RM3F (UA4LCQ)	349,530
R4IM	305,286

7 MHz	
F1AKK	416,240
VY2W5AJ	336,651
OL9R (OK6RA)	285,505

3.5 MHz	
EB3CW	133,750
OK4GP	55,238
SV5DKL	50,987

SINGLE OPERATOR ORP ALL BAND	
IW9GTD	501,260
K2YV	291,338
EA1GT/ORP	276,105
RT4W	192,075
SP4LVK	156,060

21 MHz	
JR1NKN	7,560
Y03DAC	7,093
UR1YDD	5,699

14 MHz	
YU1RH	34,958
DK7HA	26,950
R7RA	17,766

7 MHz	
I27FLP	104,085
LZ5T	97,800
DJ2RG	45,738

3.5 MHz	
ON3DI	33,748
404A	6,860
UT5UUV	6,699
DL2TM	6,210

SINGLE OPERATOR ORP ASSISTED ALL BAND	
I28JFL	578,520
OK2FD	452,685
YU1LM/ORP	140,590
PU2TRX	126,540
PE2K	114,464

21 MHz	
RA0AY	16,008
N0UR	4,950

14 MHz	
YP8W (Y08SEP)	140,640
S80A (SM0LPO)	48,683
EI/DL1EFW	26,599

7 MHz	
LZ8U	80,593
E72MD	23,471
OK2HBR	13,376
EA7/HG3IPA	13,108

3.5 MHz	
Y08WW	2,400
N3HEE	2,001

MULTI-OPERATOR SINGLE TRANSMITTER HIGH POWER	
I4DZ	6,083,392
E17M	5,670,054
IO6AN	4,513,639
K1SFA	4,446,981
HG3DX	3,938,526

MULTI-OPERATOR SINGLE TRANSMITTER LOW POWER	
EA8ED	3,224,775
K3LR	3,136,500
IT9BLB	3,121,096
DD1A	1,821,204
S50W	1,629,584

MULTI-OPERATOR SINGLE TRANSMITTER HIGH POWER	
CR3A	7,261,440
LX7I	6,905,712
ZF1A	6,593,157
A44A	6,237,320
S51A	5,573,911

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EA8ED	3,224,775
K3LR	3,136,500
IT9BLB	3,121,096
DD1A	1,821,204
S50W	1,629,584

OH5EUY	171,207
IU4FNO	157,696
EA3IAA	151,580

CLASSIC SINGLE OPERATOR HIGH POWER	
RW0AR	986,349
W3LL	946,328
A61M	734,442
YL2GD	726,374
M0NKR	700,608

CLASSIC SINGLE OPERATOR LOW POWER	
MW2I	894,156
OM4CT	873,396
US0HZ	484,158
V53DX	438,592
CT1BXT	379,784

UNITED STATES SINGLE OPERATOR HIGH POWER ALL BAND	
W7RN	2,036,040
K5ZD	1,507,900
W3LL	1,407,255
AB4GG	1,363,428
W9PA	1,044,752

28 MHz	
K4WI	3,630

21 MHz	
KU2M	264,112
K2SSS	227,968
NSAW	22,160

14 MHz	
W4AAA (KK9A)	685,768
K4FJ	308,259
W3RTY	86,496

7 MHz	
N800	420,175
WB4YDL	113,775
W6WRT	19,296

3.5 MHz	
KG9Z	6,204

LOW POWER ALL BAND	
N11XF	1,400,670
K16RRN	842,940
WS6X	807,708
W4GO	800,226
N7IR	710,775

21 MHz	
N7DB	3,589
W0GN	1,025

14 MHz	
W4LC	131,472
K7WP	92,748
K6GHA	81,875

7 MHz	
W3ZGD	50,505
W2VTY	39,000
WB3JFS	19,950

3.5 MHz	
W6HGF	25,769
WK9U	19,648
AB1J	15,694

ASSISTED HIGH POWER ALL BAND	
K1IG	4,582,482
AA3B	4,509,770
N3OE	2,143,894
W3FV	2,107,024
W4PK	1,542,936

28 MHz	
N6SS	9,676

21 MHz	
N3UA	98,262
W8CAR	28,974

14 MHz	
N2MM	387,912
N7AT (K8IA)	381,568
AA5AU	345,498

7 MHz	
WJ2D	126,022

ASSISTED LOW POWER ALL BAND	
N8BJO	726,432
W41FCN	650,256
W0JW	367,865
N1AP1	347,536
AE1EZ	281,547

21 MHz	
AG2T	20,790

14 MHz	
KF0IQ	15,440
KU3X (NB3R)	12,220
N6BHX	7,296

7 MHz	
WX1S	136,462
K7MKL	9,198

3.5 MHz	
W6NF	3,486

SINGLE OPERATOR ORP ALL BAND	
K2YG	291,338
W6QU	91,956
K2YGM	54,270
KK6L	47,799
W4ER	20,188

21 MHz	
K3TW	1,056

14 MHz	
WD9FTZ	16,632
WB40MM	2,046

7 MHz	
N5FNC (NK5G)	18,815
NS1JE	15,600

SINGLE OPERATOR ORP ASSISTED ALL BAND	
K3HW	39,680

21 MHz	
N0UR	4,950

3.5 MHz	
N3HEE	2,001

MULTI-OPERATOR SINGLE TRANSMITTER HIGH POWER	
K1SFA	4,446,981
W0LSD	1,989,665
K3MUJW	1,918,017
AD4ES	1,565,728
W8AT	1,346,624

MULTI-OPERATOR SINGLE TRANSMITTER LOW POWER	
K3LR	3,136,500
WW4LL	1,601,908
KB5EZ	36,816
W9BGX	6,322
AE7JW	4,095

MULTI-OPERATOR TWO TRANSMITTER	
K9CT	4,765,184
K6LL	2,049,726
W1DX	1,862,945
K2PO	1,817,046
W4ML	1,506,250

MULTI-OPERATOR MULTI-TRANSMITTER	
NR4M	4,923,276
K3EST	2,324,426

ROOKIE SINGLE OPERATOR HIGH POWER ALL BAND	
K9GWS	44,408

ROOKIE SINGLE OPERATOR LOW POWER	
AF7NX	25,596
KK5JD	22,140
KG5THG	14,272
W6SFI	13,776
W4YG	11,418

CLASSIC SINGLE OPERATOR HIGH POWER	
W3LL	946,328
AG4W	577,274
K4WW	483,524
4U1WB (AJ3M)	431,788
W4GE	328,160

CLASSIC SINGLE OPERATOR LOW POWER	
WB5TUF	345,800
WR0U	185,288
KB3LIX	136,67

Single-Op 80 Meters High Power (13): Pal, HA8JV, won with 168K.

Single-Op 40 Meters High Power (30): Tine, S50A, won with 650K and set a new Slovenia record.

Single-Op 20 Meters High Power (62): Stan, OK7W, won with 895K.

Single-Op 15 Meters High Power (30): Marcelo, CW4MAX (CX2DK), won with 896K which is the second highest ever for South America.

Single-Op 10-Meter High Power (2): Cort, K4WI, won with 3,600 points.

Single Operator Low Power (1,235 logs received)

Single-Op All Band Low Power (897): Wanderley, ZZ2T (PY2MNL), won with 2.3 million, followed by Rich, N1IXF,



Jenny, KK4RTF, running on 20 meters with a shiny new Flex at NR4M, which finished third in Multi-Multi.



Bud, AA3B, nearly tied KI1G for SOA AB HP.

with 1.4 million; David, MW2I (G4FRE), with 1.2 million; Chris, MØA (G8APB), with 935K; Dirk, ON4CT, with 870K; and Axel, KI6RRN, with 843K.

Single-Op 80-Meter Low Power (31): Juraj, OM3ZWA, was first with 62K.

Single-Op 40-Meter Low Power (81): Carlo, I3PXN, won with 162K.

Single-Op 20-Meter Low Power (163): Francisco, EE7Y (EC7WA), won with 415K and Nemeth, HA7TM, was second with 253K.

Single-Op 15-Meter Low Power (57): Mauricio, ZV2C (PY2CX), was first with 387K.

Single-Op 10-Meter Low Power (6): Raul, LU9EHU, won with 26K.

Single Operator QRP (106 logs received)

Single-Op All Band QRP Power (55): Domenico, IW9GTD, won with 501K with Dave K2YG taking second with 291K.

Single-Op 80-Meter QRP (9): Pieter, ON3DI, won with 34K.

Single-Op 40-Meter QRP (16): Giovanni, IZ7FLP, won with 104K and Val, LZ5T (LZ3RR), had 98K. David, N5FNC (NK5G), was fourth but set a new U.S. record with 19K.

Single-Op 20-Meter QRP (15): Rade, YU1RH, won with 35K.

Single-Op 15-Meter QRP (11): Atsushi, JR1NKN, won with 7,600 points.

Single-Op 10-Meter QRP (0): There were no entries in this category.

Single-Op Assisted High Power (555 logs received)

Single-Op Assisted All Band High Power (418): Rick, KI1G, and Bud, AA3B, were neck and neck with 4.6 million and 4.5 million respectively. Bud had 270 more QSOs but Rick garnered more multipliers for the slim win. Chris, SN7Q (SP7GIQ), was third with 4.4 million; Serge, P3X, was fourth with 3.7 million; and Laci, OM2VL, was fifth with 3.4 million.

TOP SCORES IN VERY ACTIVE ZONES

Zone 3	
W7RN	2,036,040
W7YAQ	960,432
*KI6RRN	842,940
K6MR	797,895
*N7IR	710,775
Zone 4	
VE3DZ	1,964,627
AB4GG	1,363,428
W9PA	1,044,752
AG4W	862,692
K4WW	767,428
Zone 5	
K5ZD	1,507,900
W3LL	1,407,255
*N1IXF	1,400,670
*WS6X	807,708
*W4GO	800,226
Zone 14	
CR5V	3,373,776
*MW2I	1,243,176
SM6NOC	1,162,350
MØNKR	957,760
*MØA	935,415
Zone 15	
IK2NCJ	2,932,160
Zone 16	
LY7Z	1,917,964
I4LCK	1,283,526
IZØPMV	1,220,400
YL2GD	903,991
Zone 20	
EMØI	2,240,991
UV5U	1,268,448
*UC6A	611,226
EW6EN	598,811
UZ5ZU	555,537
Zone 23	
YQ6A	1,039,278
YO3RU	880,024
*YO3GNF	686,907
4Z5KU	511,043
TA3MHA	501,534
Zone 25	
JA1OVD	648,582
JG4AKL	459,705
JF1OPL	400,812
JA7ACM	337,722
JA1AYO	303,800
*Low Power	

BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

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

WORLD						USA					
TOP SINGLE OPERATOR ALL BAND						SINGLE OPERATOR ALL BAND					
Station	80	40	20	15	10	W7RN	204/35/10/10	672/50/26/47	945/53/31/75	413/43/21/38	12/3/6/8
CR5V	119/15/10/32	710/45/22/57	1155/53/28/72	735/46/25/66	45/1/11/21	K5ZD	181/34/9/31	327/40/17/51	560/38/26/71	453/19/20/58	14/3/4/4
IK2NCJ	272/8/9/46	589/42/27/66	871/47/29/80	523/40/33/78	59/0/11/28	W3LL	130/26/9/20	548/45/15/52	566/30/15/54	370/8/10/42	17/4/7/8
EM0I	194/0/10/44	645/37/25/73	1230/53/31/92	202/1/25/62	0/0/0/0	*N1XF	76/26/9/10	463/46/19/58	576/34/21/64	339/17/17/50	20/3/10/10
*ZZ2T	1/1/1/1	266/37/19/50	344/45/20/41	719/43/23/68	341/35/16/49	AB4GG	198/44/8/8	419/50/14/40	736/45/23/64	299/13/19/59	10/0/4/5
PZ5RA	41/14/8/16	270/39/12/35	484/46/22/55	610/38/22/69	230/18/18/44						
SINGLE OPERATOR ASSISTED ALL BAND						SINGLE OPERATOR ASSISTED ALL BAND					
K1IG	328/50/20/53	711/50/29/93	1060/54/37/112	646/35/25/87	54/14/14/21	K1IG	328/50/20/53	711/50/29/93	1060/54/37/112	646/35/25/87	54/14/14/21
AA3B	386/51/18/48	829/52/27/86	1187/52/34/102	642/29/24/85	25/7/9/11	AA3B	386/51/18/48	829/52/27/86	1187/52/34/102	642/29/24/85	25/7/9/11
SN7Q	396/20/14/54	690/43/33/88	1463/54/36/104	364/38/33/89	10/0/5/10	N3QE	262/44/13/34	630/52/22/75	663/49/27/78	357/15/22/74	11/3/3/3
P3X	201/2/8/40	737/32/27/86	1044/44/28/89	709/32/28/75	11/2/6/9	W3FV	138/31/12/19	453/50/22/62	722/34/31/85	442/15/23/77	17/1/7/9
OM2VL	266/16/15/63	704/40/32/99	1003/50/32/93	297/30/34/91	34/0/12/26	W4PK	119/33/11/17	270/42/21/52	629/29/23/75	486/17/23/78	1/1/1/1
MULTI-OPERATOR SINGLE TRANSMITTER						MULTI-OPERATOR SINGLE TRANSMITTER					
I4DZ	285/26/18/67	1042/53/34/105	1262/55/36/104	736/45/37/101	69/0/13/40	K1SFA	356/49/20/54	659/52/30/93	1088/54/36/106	600/38/25/87	37/14/13/22
EI7M	308/29/18/57	852/50/31/98	1664/57/37/108	531/46/31/92	47/3/14/31	*K3LR	232/47/18/39	632/52/27/80	824/48/35/100	557/27/25/82	23/7/12/13
IQ6AN	218/17/14/61	853/52/35/99	1120/54/36/104	494/43/35/94	37/1/14/30	W0LSD	205/42/10/11	704/52/32/77	872/53/30/80	203/37/23/64	18/5/10/9
K1SFA	356/49/20/54	659/52/30/93	1088/54/36/106	600/38/25/87	37/14/13/22	K3MJW	215/48/10/14	325/45/20/52	879/44/31/86	398/26/23/64	15/1/6/7
HG3DX	229/5/14/54	906/47/34/100	960/50/35/105	473/38/35/92	23/0/9/15	*WW4LL	125/38/18/30	575/53/26/80	369/48/31/79	412/21/25/81	4/1/4/4
MULTI-OPERATOR TWO TRANSMITTER						MULTI-OPERATOR TWO TRANSMITTER					
CR3A	321/34/16/54	942/49/25/75	1413/52/25/77	1452/52/31/88	105/0/10/32	K9CT	454/53/19/38	894/53/30/84	1472/54/37/109	629/41/28/82	24/8/10/10
LX7I	784/28/17/65	1026/50/32/98	1589/56/35/109	714/42/35/95	37/0/10/24	K6LL	185/45/12/11	676/54/30/69	881/54/30/84	326/37/23/56	6/1/6/6
ZF1A	430/50/17/37	1193/54/28/80	1524/56/23/72	1217/50/24/80	78/10/13/27	W1DX	92/29/9/18	480/46/23/69	612/48/31/90	442/24/23/75	19/4/8/8
A44A	335/7/15/58	881/26/26/83	1302/41/29/93	1304/24/31/100	69/0/13/34	K2PO	266/47/13/14	645/50/28/50	901/51/32/83	275/35/21/33	9/3/1/1
S51A	648/17/15/60	1048/47/30/96	1168/56/35/103	645/42/34/93	67/1/15/35	W4ML	154/35/11/18	418/46/21/59	527/46/26/78	431/30/23/72	16/2/7/8
MULTI-OPERATOR MULTI-TRANSMITTER						MULTI-OPERATOR MULTI-TRANSMITTER					
9A1A	862/24/18/68	1485/50/33/102	1723/57/37/114	1070/46/35/106	125/0/13/45	NR4M	469/48/18/43	1010/51/28/89	1261/51/32/87	785/40/23/78	88/18/14/16
NR4M	469/48/18/43	1010/51/28/89	1261/51/32/87	785/40/23/78	88/18/14/16	K3EST	266/49/14/15	754/53/30/64	734/51/33/83	561/43/25/53	18/1/7/8
LZ7A	424/7/12/59	778/30/26/83	978/44/29/86	365/30/33/83	28/0/12/15						
K3EST	266/49/14/15	754/53/30/64	734/51/33/83	561/43/25/53	18/1/7/8						
UW5Y	280/0/11/51	686/24/30/85	770/43/30/92	297/24/30/72	6/0/4/4						

Single-Op Assisted 80M High Power (6): Filippo, IZ1LBG, won with 219K.

Single-Op Assisted 40M High Power (44): Tadej, S52X, won with 731K and set a new World record.

Single-Op Assisted 20M High Power (64): Roberto, EA2RY, won with 760K followed by Alex, YL2KO, with 735K and Gerardo, ED1A (EA1AST), with 718K.



Confident of their win in MS LP, Vaino, OH9GIT, and Kari, OH2BP, model their winning T-shirts during the contest!

Single-Op Assisted 15M High Power (21): Emmo, PT2CM (PT2FE), won with 761K.

Single-Op Assisted 10M High Power (2): Francisco, PY1GQ, won with 67K.

Single-Op Assisted Low Power (459 logs received)

Single-Op Assisted All Band Low Power (309): Dimitri, TM3Z (F4DSK), took first with 2.1 million, followed by Alex, HF9M (SQ9UM), with 1.5 million; Paul, UW6E (UR6EA), and Robert, ZB2TT, with 1.4 million; Helder, CT7AJL, with 1.3 million; and Doug, VA3DF, with 1.2 million.

Single-Op Assisted 80M Low Power (17): Axel, EB3CW, won with 134K.

Single-Op Assisted 40M Low Power (35): Olivier, F1AKK, won with 416K and Robert VY2/W5AJ took second with 337K for a new North America record.

Single-Op Assisted 20M Low Power (61): Mohamed, CN8KD, won with 446K and Yuri, RM3F, was second with 350K.

Single-Op Assisted 15M Low Power (30): Eugenio, CV7S (CX7SS), won with 414K.

Single-Op Assisted 10M Low Power (7): Roberto, PY5II, won with 11K.

Single-Op Assisted QRP (34 logs received)

Single-Op Assisted All Band QRP (14): Fabio, IZ8JFL, won with 579K followed by Karel, OK2FD, with 453K.

Single-Op Assisted 80M QRP (2): Paisa, YO8WW, took first with 2,400 points.

Single-Op Assisted 40M QRP (9): Doby, LZ8U (LZ2TU), won with 81K for a new European record.

EUROPE						
SINGLE OPERATOR ALL BAND						
CR5V	119/15/10/32	710/45/22/57	1155/53/28/72	735/46/25/66	45/1/11/21	
IK2NCJ	272/8/9/46	589/42/27/66	871/47/29/80	523/40/33/78	59/0/11/28	
EM0I	194/0/10/44	645/37/25/73	1230/53/31/92	202/1/25/62	0/0/0/0	
LY7Z	313/3/7/44	456/26/24/64	934/50/27/72	291/20/26/67	5/0/2/4	
I4LCK	120/17/30	194/22/16/52	576/46/22/54	404/41/27/65	42/3/11/20	
SINGLE OPERATOR ASSISTED ALL BAND						
SN7Q	396/20/14/54	690/43/33/88	1463/54/36/104	364/38/33/89	10/0/5/10	
OM2VL	266/16/15/63	704/40/32/99	1003/50/32/93	297/30/34/91	34/0/12/26	
UW1M	289/21/16/53	752/36/27/82	1225/47/33/97	429/14/32/73	3/0/2/3	
UW3U	329/7/12/57	602/30/30/95	975/48/35/113	419/24/31/83	20/0/12/14	
YO9HP	271/2/10/53	596/28/30/90	745/44/35/105	228/21/33/83	29/0/10/18	
MULTI-OPERATOR SINGLE TRANSMITTER						
I4DZ	285/26/18/67	1042/53/34/105	1262/55/36/104	736/45/37/101	69/0/13/40	
EI7M	308/29/18/57	852/50/31/98	1664/57/37/108	531/46/31/92	47/3/14/31	
IQ6AN	218/17/14/61	853/52/35/99	1120/54/36/104	494/43/35/94	37/1/14/30	
HG3DX	229/5/14/54	906/47/34/100	960/50/35/105	473/38/35/92	23/0/9/15	
R7AB	144/3/13/53	720/40/30/95	922/48/36/105	471/26/33/89	12/0/7/12	
MULTI-OPERATOR TWO TRANSMITTER						
LX7I	784/28/17/65	1026/50/32/98	1589/56/35/109	714/42/35/95	37/0/10/24	
S51A	648/17/15/60	1048/47/30/96	1168/56/35/103	645/42/34/93	67/1/15/35	
DF2F	500/17/16/60	1066/44/31/92	1214/56/36/104	430/40/32/84	57/1/11/27	
PI4COM	464/16/16/59	759/34/31/92	1221/55/37/106	507/40/29/86	61/1/11/23	
DM4X	515/12/15/63	856/46/31/94	1059/55/36/105	320/35/31/87	15/0/10/13	
MULTI-OPERATOR MULTI-TRANSMITTER						
9A1A	862/24/18/68	1485/50/33/102	1723/57/37/114	1070/46/35/106	125/0/13/45	
LZ7A	424/7/12/59	778/30/26/83	978/44/29/86	365/30/33/83	28/0/12/15	
UW5Y	280/0/11/51	686/24/30/85	770/43/30/92	297/24/30/72	6/0/4/4	
OF5C	375/1/12/49	890/8/27/78	900/44/27/82	253/2/25/62	6/0/2/3	
EA3KX	187/10/9/38	921/45/21/63	630/12/18/57	166/13/17/36	0/0/0/0	

*Low Power

Single-Op Assisted 20M QRP (6): Petronel, YP8W (YO8SEP), won with 141K.

Single-Op Assisted 15M QRP (2): Nataliya, RAØAY, won with 16K.

Single-Op Assisted 10M QRP (1): Mune. JH3DMQ. won with 36 points, proving that showing up and submitting a log can pay off. However, he fell short of the Asia record he set in 2016.

Multi-Operator (150 logs received)

Multi-Single High Power (67): I4DZ (I4DZ, I4EWH, I4IFL, IK3QAR, IK4DCW, IK4HVR, IK4MGP, IW3FVZ, IZ4NIC, IZ51CH) once again took first place with 6.1 million, EI7M (GØURR, EI3JE, EI7IG, EI8IA, EI5GOB, EI8KN, EI2FG, EI3KD) was second with 5.7 million, IQ6AN (IK6JNH, IK6RYU, IK6VXO, IZ4AFW, IZ6TSA) was third with 4.5 million, and K1SFA (K1SFA, K1NZ, K1MK, W1TO, K1TTT) was fourth with 4.4 million.

Multi-Single Low Power (42): EA8DED (OH9GIT, OH2BP) was first with 3.2 million in the close race with K3LR (K3LR, K3LA, K8CX, N8NB, ND8L, K3GP, WW3S, KB8VAO, K8IV) and their 3.1 million. This was the second RTTY outing for super-station K3LR and they're having a blast (while not breaking the station for upcoming CW/SSB contesting!). IT9BLB (I8UZA, IT8BLB, IT9CDU, IT9MBZ, IT9VDQ, IT9ZMX) was third also with 3.1 million.

Multi-Two (31): CR3A (CT3BD, CT3DL, CT3EN, CT3IA, CT3IQ, CT3KU, CT3KY) won with 7.3 million, LX7I was second with 6.9 million and ZF1A (W6OTC, N5KO, K6AW, N6WM) took third with 6.6 million. Trey, N5KO, filled in for Ed, WØYK, who broke his leg two days before departure.

CLUB SCORES

UNITED STATES

Club	# Entrants	Score
POTOMAC VALLEY RADIO CLUB	57	20,825,142
NORTHERN CALIFORNIA CONTEST CLUB	44	18,947,774
FRANKFORD RADIO CLUB	30	14,549,859
YANKEE CLIPPER CONTEST CLUB	25	12,110,665
SOCIETY OF MIDWEST CONTESTERS	47	10,256,023
ARIZONA OUTLAWS CONTEST CLUB	25	8,824,587
CTRI CONTEST GROUP	3	6,494,611
WILLAMETTE VALLEY DX CLUB	19	5,113,194
MINNESOTA WIRELESS ASSN	40	4,587,299
FLORIDA CONTEST GROUP	15	4,394,004
DFW CONTEST GROUP	7	3,300,807
NORTH COAST CONTESTERS	4	3,174,971
GRAND MESA CONTESTERS OF COLORADO	5	3,021,735
SKYVIEW RADIO SOCIETY	4	2,078,566
SOUTHERN CALIFORNIA CONTEST CLUB	11	2,048,595
ALABAMA CONTEST GROUP	8	1,953,884
MAD RIVER RADIO CLUB	6	1,764,299
TENNESSEE CONTEST GROUP	6	1,638,934
SHELANDOAH VALLEY WIRELESS	5	1,243,674
UTAH DX ASSOCIATION	4	1,092,004
KENTUCKY CONTEST GROUP	6	1,089,223
PAMLICO AMATEUR RADIO SOCIETY	4	921,564
SWAMP FOX CONTEST GROUP	8	818,715
NIAGARA FRONTIER RADIOSPORT	4	556,381
ORDER OF BOILED OWLS OF NEW YORK	5	493,317
WESTERN WASHINGTON DX CLUB	9	444,690
LOUISIANA CONTEST CLUB	5	431,429
CENTRAL TEXAS DX AND CONTEST CLUB	4	398,304
CAROLINA DX ASSOCIATION	4	342,140
NE MARYLAND AMATEUR RADIO CONTEST SOCIETY	3	333,475
SPOKANE DX ASSOCIATION	3	311,637
SOUTH EAST CONTEST CLUB	3	228,090
BERGEN ARA	3	213,014
MISSISSIPPI VALLEY DX/CONTEST CLUB	3	132,936
HILLTOP TRANSMITTING ASSN	3	105,445
KANSAS CITY CONTEST CLUB	3	72,197

DX

BAVARIAN CONTEST CLUB	85	41,327,696
RHEIN RUHR DX ASSOCIATION	46	28,355,634
UKRAINIAN CONTEST CLUB	54	25,051,169
ITALIAN CONTEST CLUB	63	22,792,340
CONTEST CLUB ONTARIO	23	11,642,850
CROATIAN CONTEST CLUB	11	11,140,982
SLOVENIA CONTEST CLUB	15	10,695,645
ARAUCARIA DX GROUP	11	7,069,791
CONTEST CLUB FINLAND	20	6,365,519
WORLD WIDE YOUNG CONTESTERS	5	6,201,247
EA CONTEST CLUB	26	6,029,235
ARIPA DX TEAM	4	3,520,883
LU CONTEST GROUP	16	2,809,701
CHILTERN DX CLUB	9	2,750,914
SP DX CLUB	18	2,723,754
LATVIAN CONTEST CLUB	6	2,372,066
CONTEST GROUP DU QUEBEC	8	2,243,165
ORCA DX AND CONTEST CLUB	7	2,091,903
YB LAND DX CLUB	38	1,935,990
DL-DX RTTY CONTEST GROUP	5	1,854,212
CE CONTEST GROUP	5	1,819,886
599 CONTEST CLUB	7	1,777,181
RUSSIAN CONTEST CLUB	7	1,609,561
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	6	1,549,300
HA-DX-CLUB	4	1,544,091
BELARUS CONTEST CLUB	6	1,515,518
KRIVBASS	5	1,503,154
RIIHIMAEN KOLMOSET	3	1,257,105
VK CONTEST CLUB	5	1,180,961
YO DX CLUB	6	1,168,818
SOUTH URAL CONTEST CLUB	3	1,067,826
URAL CONTEST GROUP	6	1,025,659
LA CONTEST CLUB	3	981,577
RTTY CONTESTERS OF JAPAN	8	765,342
CONTEST CLUB SERBIA	9	695,252
RIO DX GROUP	8	599,181
MAUI AMATEUR RADIO CLUB	3	570,131
VU CONTEST GROUP	10	531,696
SIAM DX GROUP	9	508,091
GRIMSBY AMATEUR RADIO SOCIETY	6	419,407
DANISH DX GROUP	5	398,993
PAPUA CONTEST CLUB	5	353,725
GMDX GROUP	3	351,196
THRACIAN ROSE CLUB	3	286,536
YYP CLUB	3	264,655
TARTU CONTEST TEAM	3	235,734
SINGLE FIGHTER DX GROUP	5	232,097
RU-QRP CLUB	3	231,752
GIPANIS CONTEST GROUP	5	211,676
CDR GROUP	8	211,299
UA2 CONTEST CLUB	4	211,113
LA-DX-GROUP	3	208,829
RUSSIAN DIGITAL RADIO CLUB	6	184,456
RUSSIAN CW CLUB	3	182,114
THE AKITA DX ASSOCIATION	4	181,476
GUARA DX GROUP	3	102,698
ARCK	3	22,676
ORARI LOKAL KEDIRI	3	1,681

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Roberto, EA2RY, using the EC2DX station to win SOA 20 HP.

Multi-Multi (10): The top two teams nearly tied with 9.4 million points each, but switched positions from 2016. 9A1A (9A5W, 9A9A, 9A6A, 9A7R, 9A7C, 9A8A, 9A2AW, 9A7RA, 8A7QQ, 9A7PP, 9A5CPL, 9A5GTX, 9A7ROR, 9A3EFD) captured first place and CR3W (DF5EM, DF6QV, DG7JB, DJ8NK, DJ9RR, DK4QT, DL6TK, DM3BJ) was second. NR4M (N3ZV, N4DXS, NR4C, K6MIL, KS4Q, K3UI, NR4M, AI4WU, KA4RRU, KK4RTF, K4MI) won North America with a third place world.

Clubs

Worldwide: Once again, the Bavarian Contest Club (BCC) took top honors with 41 million across 85 logs, over second place Rhein Ruhr DX Association (RRDXA) with 28M in 46 logs. However, the Ukrainian Contest Club (UCC) with 25

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Helder, CT7AJL, was fifth in SOA AB LP.

million in 54 logs got ahead of the Italian Contest Club (ICC) with 23 million from their 63 logs.

North America: In fifth place worldwide was the Potomac Valley Radio Club (PVRC) with 21 million in 57 logs, winning the North America club competition over the Northern California Contest Club (NCCC) with 19 million in 44 logs.

Logs

Log statistics were slightly improved compared with the past five years, despite log checking itself improving. There were enough logs submitted so that 88% of all QSOs were cross-checked and 97% of those QSOs were deemed good. 1% of all QSOs had busted (incorrect) callsigns. Another 1.7% were not found in the other station's log, up from 1.5%

in 2015. Busted exchanges remained the same at 0.7%. Individual Log Check Reports (LCRs) are available upon request to <w0yk@cqwrrty.com> where you can see how your log stacks up to the overall numbers.

Website

The contest website <www.cqwrrty.com> is a valuable resource for all aspects of the contest: Rules (including language translations), log format, log submittal, historical statistics, and results database (searchable for any entry, geographical breakdown, and all-time records).

Thanks

Thanks to all participants who, together, make this a fun weekend for everyone. Thanks also to the team of volunteers behind the scenes who make it all possible:

Jason, KD2IWM, Associate Editor of *CQ Amateur Radio*.

Rules translators: Boyan, LZ2BE; Caros, BH4TX; Tapani, OH2LU; Fabi, VA2UP; Steffan, DL6SFR; Kostas, SV1DPI; Joe, IT9BLB; Kazu, JK3GAD/MØCFW; Marcos, PY2WS; Andy, YO3JR; Vlad, VE3IAE; Gerardo, EA1AST; and Mehmet, TA5FA.

Ken, K1EA, provided the ever-evolving log-check software and consulting during log checking.

Randy, K5ZD, for his substantial support on a wide range of issues, including a fair amount of the log fixes so that the check software runs smoothly and correctly.

I look forward to seeing everyone again in the 32nd annual CQWW DX RTTY Contest on 29-30 September 2018.

— Ed, WØYK

(See full line scores on page 101)