

Results of the 2010 CQ WW RTTY DX Contest

BY ED MUNS,* WØYK



Robert, ST2AR, prolifically supplying the ST mult in recent CW and RTTY contests, led Single-Op Low Power and set a new Africa record.



Zik, VE3ZIK/DK8ZZ/YT3ZZ, operating as 9A/VE3ZIL from the 9A3MR QTH on Murter Island took 4th place Single-Op 20M Low Power.

The 24th annual CQ WW RTTY DX Contest (the world's largest RTTY competition) enjoyed the best band conditions we've seen in recent years, enabling over 5,000 participating stations to make 1.2M QSOs, a 20% growth over 2009. Refreshingly, 10-meter activity was significantly up, especially on north-south paths. The number of submitted logs grew 16% to 2681. This set the stage for another round of record-breaking performances by the top stations, with many participants at all levels reporting personal-best results. For the contest 146 countries and all 40 zones were active.

Twelve new world records and 28 new continental records were set by the winners. In several cases, more than one station broke the record! Numerous country and area records were also broken. This is a tribute to increased participation, improved operating skill, and (slowly) improving solar conditions. Here are the highlights:

Single Operator Low Power

Single-Op All Band Low Power. Robert, ST2AR, took first place world and broke the Africa record by 33% with 3.6M points. Robert's error rate was only 20% of the contest average at just 0.7%. The next three places were nearly tied at about 3.0M points: Ted, HI3TEJ, Enrico, 6V7X (IK2FIL), and Filipe, CR6K (CT1ILT). Filipe lifted the European record by 33%. In the U.S., Mark, N2QT, dominated with 2.3M points.

Single-Op 80-Meter Low Power. Jan, OK2ZAW, won with 76K, barely missing the European record.

Single-Op 40-Meter Low Power. Dalibor, E79D, broke the world record by 22% (330K).

Single-Op 20-Meter Low Power. Gennady, EU1DX, won with 364K, just 0.3% short of the European record. Moreover, the next two entrants—Roberto, IT9STX, and Karel, OK2ZI—were nearly tied with Gennady.

Single-Op 15-Meter Low Power. Jack, FY1FL, blew away the world record by 68% with 508K.



Sunset highlighting the E76C/E7DX antenna farm.

Single-Op 10-Meter Low Power. Alexandre, PY2SEX, raised the world record by 84% to 116K.

Single-Op High Power

Single-Op All Band High Power. After Val, EF8M (RD3A), smashed the world record by 20% in 2009, Ed, P49X (WØYK), raised it another 20% this year to 10.6M. Arunas, LY5E (LY2IJ), was second with 5.1M, setting a new European record. Dennis, W1UE, took third and broke the North America record by 10% with 4.2M.

Single-Op 80-Meter High Power. Zelimir, 9A2DQ, won with 248K, while Franco, I4AVG, was close by with 238K.

Single-Op 40-Meter High Power. Chris, SO4M (SP4K), broke the world record by 7% for 670K. Rick, K1IG, took third, breaking the U.S. record by 63% with 473K.

Single-Op 20-Meter High Power. RTTY newcomer John, KK9A, took first place in the world and raised the North America record by 8% with his 776K finish. Sobon, SN7Q, was second with 754K. Jerry, WB9Z, was fourth overall with 610K and broke the U.S. record by 35%, second to KK9A for that area.

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2010 CQ WW RTTY CONTEST PLAQUE WINNERS AND SPONSORS

Single Operator High Power

World: Sponsored by John Orton, W5JBO. **Winner: P49X (op: Ed Muns, W0YK)**
Asia: Sponsored by Alex Panouli, YO9HP. **Winner: Masaki Okano, JH4UJYB**
Europe: Sponsored by Andrei Stchislenok, EW1AR/NP3D (in Memory of EU1MM).
Winner: LY5E (op: Arunas Vaglys, LY2IJ)
North America: Sponsored by PJ2S Group. **Winner: Dennis Egan, W1UE**
South America: Sponsored by Radio Club Cordoba, LU4HH. **Winner: LV5V (op: Jorge Krienke, LU5VV)**
Canada: Sponsored by Contest Group du Quebec. **Winner: Nick Lekic, VE3EY**
Japan: Sponsored by Darrell Penrod, K9MUG. **Winner: Harumi Kukit, JF1PJK**
USA: Sponsored by Joseph Young, W6RLL. **Winner: Larry Brockman, N6AR/4**

Single Operator Low Power

World: Sponsored by Don Hill, AA5AU. **Winner: ST2AR (op: Robert Kasca, S53R)**
Asia: Sponsored by Jim Reiser, AD1C. **Winner: Yuri Kurinyi, RG9A**
Europe: Sponsored by Tyler Stewart, K3MM. **Winner: CR6K (op: Filipe Monteiro Lopes, CT1ILT)**
Oceania: Sponsored by Doug Faunt, N6TQS. **Winner: Felimon Morano, Jr., DV1JM**
North America: Sponsored by Joseph Young, W6RLL. **Winner: Ted Jimenez, HI3TEJ**
South America: Sponsored by Trey Garlough, N5KO. **Winner: Luis Felipe Arango, HK6P**
Canada: Sponsored by Bob Loranger, VE2AXO. **Winner: Fabi Bertolotto, VA2UP**
Japan: Sponsored by Charles Anderson, KK5OQ. **Winner: Nobuo Matsuoka, JA6GCE**
USA: Sponsored by George Johnson, W1ZT. **Winner: Mark Sihanick, N2QT/4**

Single Operator Assisted

World: Sponsored by Mike Sims, K4GMH. **Winner: 5B/UT0U (op: Serge Rebrov, UT5UDX)**
Asia: Sponsored by Lakshman "Lucky" Bijanki, VU2LBW. **Winner: Vandim Ovsyannikov, R9DX**
Europe: Sponsored by Jeff Demers, N1SNB. **Winner: LZ8E (op: Boyan Petkov, LZ2BE)**
North America: Sponsored by George Marzloff, K4GM. **Winner: Mike Sims, K4GMH**
USA: Sponsored by Derek Steele, J39BS. **Winner: Barry Gardner, W3FV**

Single Operator Single Band

World 28 MHz High Power: Sponsored by Steve Hodgson, ZC4LI. **Winner: Juan "John" Manuel Morandi, LU1HF**
World 21 MHz High Power: Sponsored by Steve "Sid" Caesar, NH7C. **Winner: LP2F (op: Ezequiel Reinaldi, LU1FDU)**
World 14 MHz High Power: Sponsored by Kenneth Young, AB4GG. **Winner: John Bayne, KK9A/4**
Europe 14 MHz High Power: Sponsored by Bob Raymond, WA1Z. **Winner: Sobon Krzysztof, SN7Q**
North America 14 MHz High Power: Sponsored by Patrick W. Soileau, ND5C. **Winner: Jerry Rosaluis, WB9Z**
USA 14 MHz High Power: Sponsored by Jamie Punderson, W2QQ. **Winner: Richard Strand, KL7RA**
World 7 MHz High Power: Sponsored by Abroham Neal Software by K3NC. **Winner: SO4M (op: Chris Krassowski, SP4K)**
North America 7 MHz High Power: Sponsored by Don Reed, K2OGD. **Winner: Rick Davenport, K1IG**
World 3.5 MHz High Power: Sponsored by Glenn Vinson, W6OTC. **Winner: Zelimir Klasan, 9A2DQ**

Multi-Op Single Transmitter Low Power

World: Sponsored by David Robbins, K1TTT. **Winner: S50A (S50A, S50XX, S57AW)**
North America: Sponsored by Dennis Conklin, A18P. **Winner: VP9I (ND8L, WW3S)**

Multi-Op Single Transmitter High Power

World: Sponsored by Kevin Rowett, K6TD. **Winner: ES9C (YL2KF, ES5RY, ES5TV, ES2DW, ES5TF, ES10X, ES4BO, ES5GP, ES5NHC, ES2NA)**
North America: Sponsored by Steve Jarrett, K4FJ. **Winner: K4FJ (K3KG, K4FJ)**

Multi-Op Two Transmitter

World: Sponsored by Ed Muns, W0YK. **Winner: EF8M (RD3AF, RZ3AZ, EA8CAC, OH1RY)**
Europe: Sponsored by CT3 Madeira Contest Team CR3A/CQ9K. **Winner: IT9BLB (IT9BLB, IT9MBZ, IT9MUO, IT9PAD, IT9RGY, IT9VDQ, IT9ZMX)**
North America: Sponsored by Steve Merchant, K6AW. **Winner: NR4M (K3NC, K4EC, K4GM, K4ZW, K7SV, N3ZV, NR4M)**
USA: Sponsored by Fred Dennin, WW4LL. **Winner: K0IR (K0IR, K0JJR, K0RC, W0AW, W0BV, WA0MHD)**

Multi-Op Multi-Transmitter

World: Sponsored by KA4RRU RTTY Team. **Winner: CR3L (DJ6QT, DJ6XV, DK1QH, DK4QT, DL1YFF, DL6TK)**
North America: Sponsored by Cuzco Contest Club, WK1Q. **Winner: K1TTT (AK2D, AK2X, K1MK, K1SFA, K1TTT, KB1SUA, N2JFS, NW2Q, W1EQO, W1TO, WA1ZAM)**
USA: Sponsored by David Robbins, K1TTT. **Winner: KA4RRU (KA4RRU, N4DXS, K3UI, W4DC, K4RG, KD6AKC, KD4BHR, SADIE)**

Club Competition

World: Sponsored by Potomac Valley Radio Club. **Winner: Bavarian Contest Club**
North America: Sponsored by Northern California Contest Club. **Winner: Northern California Contest Club**

CLUB SCORES UNITED STATES

Club Name	No. Entries	Total Score
NORTHERN CALIFORNIA CONTEST CLUB.....	32	26,621,146
POTOMAC VALLEY RADIO CLUB.....	38	26,415,821
YANKEE CLIPPER CONTEST CLUB.....	33	21,944,141
MINNESOTA WIRELESS ASSN.....	35	8,666,712
FRANKFORD RADIO CLUB.....	16	8,580,063
FLORIDA CONTEST GROUP.....	17	7,967,047
SOCIETY OF MIDWEST CONTESTERS.....	21	6,205,706
TENNESSEE CONTEST GROUP.....	13	4,360,042
WESTERN WASHINGTON DX CLUB.....	10	4,329,163
ARIZONA OUTLAWS CONTEST CLUB.....	23	3,788,152
GRAND MESA CONTESTERS OF COLORADO.....	6	3,507,358
CTRI CONTEST GROUP.....	4	3,455,334
WILLAMETTE VALLEY DX CLUB.....	13	3,097,197
ALABAMA CONTEST GROUP.....	8	3,049,470
SOUTH EAST CONTEST CLUB.....	12	2,030,701
CENTRAL TEXAS DX AND CONTEST CLUB.....	3	1,732,659
ORDER OF BOILED OWLS OF NEW YORK.....	7	1,503,047
SOUTHERN CALIFORNIA CONTEST CLUB.....	13	1,490,355
MAD RIVER RADIO CLUB.....	8	1,295,814
BERGEN ARA.....	5	1,292,648
ROCHESTER (NY) DX ASSN.....	6	1,255,465
SPOKANE DX ASSOCIATION.....	7	1,079,772
ORLEANS COUNTY AMATEUR RADIO CLUB.....	3	1,064,321
KANSAS CITY DX CLUB.....	4	988,540
HUDSON VALLEY CONTESTERS AND DXERS.....	3	722,597
ALLEGHENY VALLEY RADIO ASSOCIATION.....	3	547,440
LOW COUNTRY CONTEST CLUB.....	3	456,353
NORTH CAROLINA DX AND CONTEST CLUB.....	3	423,358
DELAWARE LEHIGH AMATEUR RADIO CLUB.....	3	365,893
NORTH TEXAS CONTEST CLUB.....	3	183,573
METRO DX CLUB.....	3	181,534

DX

BAVARIAN CONTEST CLUB.....	72	32,850,470
RHEIN RUHR DX ASSOCIATION.....	52	31,451,915
UKRAINIAN CONTEST CLUB.....	29	28,859,194
SLOVENIA CONTEST CLUB.....	11	15,850,575
LU CONTEST GROUP.....	16	15,519,822
CONTEST CLUB FINLAND.....	11	15,312,938
URAL CONTEST GROUP.....	7	12,064,852
CONTEST CLUB ONTARIO.....	24	10,363,685
HUNGARIAN DX CLUB.....	5	10,335,374
ARAUCARIA DX GROUP.....	9	9,195,203
SP DX CLUB.....	22	8,178,398
LITHUANIAN CONTEST GROUP.....	4	7,652,616
BRITISH COLUMBIA DX CLUB.....	3	7,015,222
CROATIAN CONTEST CLUB.....	14	6,993,076
BOSNIA AND HERZEGOVINA CONTEST CLUB.....	5	6,772,943
BLACK SEA CONTEST CLUB.....	21	5,861,297
MARITIME CONTEST CLUB.....	7	5,031,921
LATVIAN CONTEST CLUB.....	8	4,053,585
SOUTH URAL CONTEST CLUB.....	5	3,996,347
CONTEST GROUP DU QUEBEC.....	6	3,867,241
BRITISH AMATEUR RADIO TELEDATA GROUP.....	4	3,247,450
DL-DX RTTY CONTEST GROUP.....	15	2,710,002
TEMIRTAU CONTEST CLUB.....	4	2,518,653
GRUPO DXE.....	3	2,384,630
GIPANIS CONTEST GROUP.....	4	2,213,217
RADIO AMATEUR ASSOCIATION OF WESTERN GREECE.....	5	2,204,477
VK CONTEST CLUB.....	5	2,167,658
CSTA BUCURESTI.....	6	2,155,490
VU CONTEST GROUP.....	5	1,632,755
GMDX GROUP.....	5	1,273,429
FOX CONTEST CLUB.....	3	1,244,524
RTTY CONTESTERS OF JAPAN.....	9	1,230,735
WORLD WIDE YOUNG CONTESTERS.....	6	1,192,285
MEDITERRANEAN DX CLUB.....	4	1,063,902
DONBASS.....	4	1,013,648
RUSSIAN CONTEST CLUB.....	7	996,478
CANTAREIRA DX GROUP.....	9	912,315
KRIVBASS.....	3	851,339
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB.....	4	811,750
LA CONTEST CLUB.....	3	633,332
CHILTERN DX CLUB.....	4	587,166
DOMODEDOVO.....	3	472,420
NANAIMO AMATEUR RADIO ASSOCIATION.....	3	254,346
BALATON RADIOAMATEUR DX CLUB.....	3	252,543
IVANOVO DX CLUB.....	4	198,716
YO DX CLUB.....	3	181,435
ALRS ST PETERSBURG.....	3	169,845
RIO DX GROUP.....	4	141,341
YU CONTEST CLUB.....	4	25,909



Joel, VE6WQ, operating the console at VE6JY for 4th in Single-Op Assisted 20M, breaking the North America record.

Single-Op 15-Meter High Power. The world record was broken by Ezequiel, LP2F (LU1FDU), with 778K. Second and third were close between Jan, 9A5Y (9A3NM), and Emil, 9A9A, with 692K and 676K, respectively. Fourth place went to Joel, KG6DX, who broke the Oceania record by 16% with 592K. Fifth place Max, KH6ZM, also broke the Oceania record.

Single-Op 10-Meter High Power. John, LU1HF, handily won with 551K, though off the current world record he set in 2002. He's the one to watch as this band returns to stardom, hopefully soon.

Single-Op Assisted

Single-Op Assisted All Band. Serge, 5B/UT0U (UT5UDX), decimated this world record by 83% with 7.8M. Second place Wanderley, ZX5B (PY2MNL), also broke the prior world record, which happened to be his own, with 4.7M points, for a new South America record. Third place Vadim, R9DX, raised the Asia record.

TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER ALL BAND		3.5 MHz		ASSISTED ALL BAND		28 MHz		21 MHz		14 MHz		7 MHz		3.5 MHz		LOW POWER ALL BAND		28 MHz		21 MHz		14 MHz		7 MHz			
P49X (W0YK)	10,595,903	*UR7TZ	221,544	5B/UT0U (UT5UDX)	7,798,700	K4WI	6,142	N4BP	364,190	CT3FO	819,333	E76C	984,144	S52X	646,020	*ST2AR	3,575,296	*E91DX	364,188	*W6TK	20,164	*AK0A	269,880	*WA1FCN/4	152,985	*E79D	329,628
LY5E (LY2LJ)	5,082,540	*VY2LI	189,174	ZX2B (PY2MNL)	4,734,415	K4GMH	4,304,366	W7ZR	182,924	OK3R (OK1DVM)	644,736	E03Q (UR3QCW)	791,910	E03Q (UR3QCW)	791,910	*HP1RIS	1,305,600	*I9STX	362,838	*K7MY	14,885	*W4LC	206,150	*W4LC	206,150	*ER6A (ER1LW)	283,968
WTUE	4,234,020	*SP6EY	59,432	R9DX	4,401,027	N6AR/4	1,882,800	K5DU	1,464,960	KT6YL	103,600	UW1M (UR5MMW)	783,178	UW1M (UR5MMW)	783,178	*LW5EE	10,395	*EA3GLB	431,400	*K7M9	12,544	*NSER	138,861	*NSER	138,861	*UR7TZ	221,544
FM5CD	3,520,598	*4L90Q	58,520	K4GMH	4,304,366	N4ZZ	1,768,824	AG4W	1,427,403	K88X	103,572	VE6WU	781,440	VE6WU	781,440	*EA4MA	5,624	*I9STX	362,838	*W9KV	11,328	*W1ZD/7	116,582	*W1ZD/7	116,582	*S51D	6,404,653
YO9HP	3,463,356	*OH1TN	50,282	LZ8E (LZ2BE)	3,459,925	W4PK	1,714,788	K7QO	1,381,024	W1TY/2	180,369	I261SA	579,386	I261SA	579,386	*YU2A	2,507,862	*Y09HP	377,400	*NK6A	10,659	*WM5DX	98,868	*WM5DX	98,868	Z37M	6,198,698
RG3K	3,245,504	*US5NGH	46,604	R23AXX (UA8AA)	3,363,027	AB4GG	1,632,138	W0YR/4	1,197,437	W7RY	152,344	I261SA	579,386	I261SA	579,386	*VP9I	1,953,904	*PY2CX	342,771	*F1AEY	1,471,248	*K8AJ5	613,800	*K8AJ5	613,800	LZ9W	5,114,672
LV5V (LU5VV)	3,112,713			SN2K (SP2EBG)	3,067,152	N8BJQ	1,540,080									*LU7HN	335,070	*CR2T (CU2AF)	4,672			*K7RE0	589,475	*K7RE0	589,475	OH6R	4,527,360
SP9LJD	2,793,672			S50R	3,459,925	K5DU	1,464,960															*AD5XD	534,852	*AD5XD	534,852		
LT0H (LU3HY)	2,576,176			UT11A	10,010	AG4W	1,427,403																				
JH4UYB	2,438,595			EC7KW	3,075	W7WW	276,675																				
				UN4PG	2,212	KT0DX	229,194																				
				JA1OGT	759	N7WS	199,386																				
				K661TP/3	630	K11G	473,280																				
						W0GJ	232,892																				
						Al6Y	231,855																				
						W1TY/2	180,369																				
						W7RY	152,344																				

BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

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

WORLD TOP SINGLE OP ALL BAND

Station	80	40	20	15	10
P49X	360/51/19/49	1197/75/22/57	1298/71/27/57	1689/92/30/56	403/44/21/48
LY5E	483/61/17/8	612/94/30/39	1258/101/35/55	670/107/36/34	51/35/15/0
W1UE	394/51/15/50	709/64/21/48	1061/87/31/50	721/75/22/26	86/15/11/29
*ST2AR	75/37/8/4	371/51/15/30	398/71/28/31	1183/89/33/47	310/55/13/0
FM5CD	177/48/16/37	462/64/18/52	879/75/28/57	949/72/23/52	45/15/10/11

WORLD MULTI-OP SINGLE TRANSMITTER HIGH POWER

ES9C	412/66/20/20	874/102/32/40	1382/113/36/54	687/117/34/22	56/38/16/0
IK4MGP	347/62/16/21	648/87/31/48	949/104/33/56	1051/110/36/54	76/52/21/0
UZ2M	254/59/16/9	879/101/31/43	1159/106/37/56	842/114/34/28	33/31/14/0
E74KC	387/56/14/20	663/73/23/42	1107/91/33/54	909/101/34/50	56/49/20/0
EB1LA	328/59/14/32	618/82/24/51	1029/93/35/56	881/103/35/49	22/22/13/0

WORLD MULTI-OP SINGLE TRANSMITTER LOW POWER

*S50A	348/59/19/13	719/89/29/48	696/101/34/54	605/108/34/50	39/37/19/0
*YU2A	149/44/8/2	453/67/19/34	722/71/28/49	689/78/27/42	24/17/11/0
*UP6P	96/36/11/0	412/69/21/13	623/77/29/42	683/75/27/0	75/24/9/0
*VP9I	75/8/6/24	674/63/18/55	555/71/20/51	385/67/22/36	18/13/8/2
*F1AEY	166/46/9/3	529/62/16/30	682/70/27/45	183/58/28/5	11/5/4/0

WORLD MULTI-OP TWO TRANSMITTER

EF8M	746/68/20/50	1552/87/30/55	1743/102/33/56	2285/114/35/55	570/80/27/5
CR3A	376/60/16/45	1003/70/22/51	1978/90/30/56	1952/99/33/57	82/42/19/2
HCB8/K6AW	253/50/14/42	710/68/22/53	1333/83/33/57	1871/93/31/56	623/44/19/54
IT9BLB	435/62/16/22	830/85/27/45	1365/92/34/57	1189/108/37/51	107/49/24/0
T70A	838/64/18/19	914/85/28/43	1703/99/34/54	749/90/31/38	71/35/16/0

WORLD MULTI-OP MULTI-TRANSMITTER

CR3L	404/56/14/33	774/65/17/49	1078/82/27/52	1685/85/26/52	195/50/17/0
HG1S	668/58/15/22	999/90/30/49	1212/107/36/54	827/105/36/44	98/42/17/0
K1TTT	652/64/21/53	1223/84/28/56	1435/98/36/53	799/85/27/39	124/22/13/21
LX7I	610/60/15/23	1043/76/23/50	1449/94/34/55	840/100/32/48	39/24/13/0
Z37M	827/67/21/23	1121/91/28/44	1229/95/33/54	606/101/35/32	117/40/18/0

USA TOP SINGLE OP ALL BAND

Station	80	40	20	15	10
W1UE	394/51/15/50	709/64/21/48	1061/87/31/50	721/75/22/26	86/15/11/29
*N2QT/4	226/33/12/44	524/62/20/50	740/82/30/38	429/76/24/18	33/13/9/3
N6AR/4	208/42/12/42	311/58/18/44	686/84/33/45	292/73/23/25	31/12/10/2
N4ZZ	199/12/7/44	557/49/13/54	759/72/24/44	422/65/22/19	3/3/3/0
W4PK	155/29/9/39	481/59/18/50	630/64/20/39	348/57/22/11	24/8/8/4

USA MULTI-OP SINGLE TRANSMITTER HIGH POWER

K4FJ	260/41/14/48	534/71/21/48	995/95/32/49	551/87/28/22	17/15/11/4
W0LSD	217/18/11/46	684/75/30/54	614/85/30/52	386/80/26/33	76/18/11/18
W1DX	39/25/10/13	619/73/23/48	784/86/32/41	230/61/21/12	13/6/5/1
KF6T	111/10/10/42	598/57/26/55	482/85/31/52	394/59/26/39	25/10/11/4
NC4CS	17/14/7/5	570/58/18/49	683/78/24/48	337/73/22/14	9/9/6/0

USA MULTI-OP SINGLE TRANSMITTER LOW POWER

*KD0AKI	124/17/10/41	292/42/13/48	256/55/14/39	110/43/18/10	3/3/3/0
*KE4UNA	53/23/27	173/27/12/37	177/40/15/31	230/58/22/18	12/6/6/0
*W4UAL	0/0/0/0	76/14/10/31	132/31/18/32	187/53/19/12	18/8/6/0
*AC0E	23/3/4/16	123/6/7/36	37/7/8/16	30/20/13/2	5/5/5/0

USA MULTI-OP TWO TRANSMITTER

NR4M	479/47/16/50	904/77/25/57	1197/94/30/48	815/94/31/36	58/14/11/12
K0IR	444/46/17/53	796/75/28/54	916/96/33/48	378/71/29/30	118/15/11/32
W1BV	170/19/9/43	521/59/17/46	882/72/21/44	376/68/23/22	7/3/3/2
W1MAT	114/28/11/28	321/58/17/43	731/81/27/48	260/65/21/19	7/4/4/1
WY3P/4	104/27/10/25	259/49/13/40	296/57/16/34	336/57/15/20	30/10/8/4

USA MULTI-OP MULTI-TRANSMITTER

K1TTT	652/64/21/53	1223/84/28/56	1435/98/36/53	799/85/27/39	124/22/13/21
KA4RRU	395/26/10/51	777/69/21/54	987/87/31/48	474/70/23/22	78/14/10/17
N2PA	231/18/8/47	327/47/16/50	386/61/22/33	220/52/21/19	3/3/3/1
KT0R	32/2/3/19	284/29/12/50	430/67/18/38	101/26/16/13	2/2/2/1

by 47% to 4.4M, and fourth place Mike, G4GMH, lifted the North America record 13% to 4.3M.

Single-Op 80M. Robert, G1GK, and Alajos, HA3LI, both broke this world record with 211K and 135K, respectively. Sixth place Paul, W8AEF/7, established the first North America record with 43K.

Single-Op 40M. The first three places all broke the prior world record of 495K: S52X with 646K (31%), Miro, OK3R (OK1DVM), with 645K (30%), and Vladan, YT1VP, with 547K (11%).

Single-Op 20M. Zoran, E76C, won with 984K, breaking the European record by 25%. Ruslan, EO3Q (UR3QCW), also broke the prior European record with 792K for second place. Fourth place Joel, VE6WQ, broke the North America record by 36% with 781K.

Single-Op 15M. Carlos, CT3FQ, nearly doubled the world record with 819K. Fabien, TK5MH, also broke the prior world record with 498K, setting a new European record. John, ZL1BYZ, finished 5th worldwide with 265K and raised the Oceania record 85%. Icko, JA1BPA, finished 6th with 259K to lift the Asia record over 2.5 times.

Single-Op 10M. Vladimir, UT11A, won and set a new European record with 10K.

Multi-Operator

Multi-Single Low Power. S50A (S50A, S50XX, and S57AW) broke the world record by 11% with 4.1M. Fourth place VP9I (ND8L, WW3S) won North America with 2M.

Multi-Single High Power. The top seven finishers each broke the European record! ES9C (YL2KF, ES5RY, ES5TV, ES2DW, ES5TF, ES1OX, ES4BO, ES5GP, ES5NHC, and ES2MA) led with 5.84M, followed closely by IK4MGP (I4EWH, I4FYF, I4IFL, I4EWH, IK2QEI, IK3QAR, IK4DCW, IK4HVR, IK4MGP,

IK4WMH, IV3TMV, and IV3ZXQ) with 5.80M. Eighth place PJ2S (K3RWN, AB3ER, KG3F, KB3EYY, and K3RMB) won South America with 3.8M and 10th place K4FJ (K3KG and K4FJ) won North America with 3.3M.

Multi-Two. This world record was moved up 58% to 16.9M by the familiar EF8M callsign (RD3A, RZ3AZ, EA8CAC, and OH1RY). Second place CR3A (CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3IA, CT3KU, and CT3KY) also broke the prior world record, by 5% for a score of 11.2M. Tenth place VE7SV doubled the Canadian record to 3.5M.

Multi-Multi. CR3L (CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3IA, CT3KU, and CT3KY) came out on top with 7.7M and third place K1TTT set a new North America record with 6.5M. Ninth place VE7UF doubled the Canadian record to 3M.

Clubs

United States. The top three were the same as last year, but in reverse order. The Northern California Contest Club (NCCC) won with 26.6M ever so narrowly over rival Potomac Valley Radio Club (PVRC) with 26.4M. Last year's winner, the Yankee Clipper Contest Club (YCCC), came in third with 21.9M.

Europe. Typically, the Bavarian Contest Club (BCC) and the Rhein Ruhr DX Association (RRDXA) dominated the Europe club competition. The BCC came out on top again with 32.9M to beat RRDXA's 31.5M. Third place Ukrainian Contest Club continues to apply pressure with its 28.9M points.

World. These three European clubs also took the top three places in the world club competition. The three US clubs above filled the next three places worldwide.

Logs

The quality of the logs was about the same as in 2009, which is

EUROPE TOP SINGLE OP ALL BAND

Station	80	40	20	15	10
LY5E	483/61/17/8	612/94/30/39	1258/101/35/55	670/107/36/34	51/35/15/0
YO9HP	346/55/14/11	784/82/26/45	827/94/35/48	436/96/33/20	46/24/13/0
RG3K	307/52/13/4	649/81/26/38	900/89/32/50	654/89/28/23	17/11/8/0
*CR6K	142/42/9/7	472/62/18/46	773/76/27/52	747/84/28/49	39/20/12/1
SP9LJD	210/44/11/7	494/67/22/44	832/67/26/55	642/76/32/44	6/5/4/0

EUROPE MULTI-OP SINGLE TRANSMITTER HIGH POWER

ES9C	412/66/20/20	874/102/32/40	1382/113/36/54	687/117/34/22	56/38/16/0
IK4MGP	347/62/16/21	648/87/31/48	949/104/33/56	1051/110/36/54	76/52/21/0
UZ2M	254/59/16/9	879/101/31/43	1159/106/37/56	842/114/34/28	33/31/14/0
E74C	387/56/14/20	663/73/23/42	1107/91/33/54	909/101/34/50	56/49/20/0
EB1LA	328/59/14/32	618/82/24/51	1029/93/35/56	881/103/35/49	22/22/13/0

EUROPE MULTI-OP SINGLE TRANSMITTER LOW POWER

*S50A	348/59/19/13	719/89/29/48	696/101/34/54	605/108/34/50	39/37/19/0
*YU2A	149/44/8/2	453/67/19/34	722/71/28/49	689/78/27/42	24/17/11/0
*F1AEY	166/46/9/3	529/62/16/30	682/70/27/45	183/58/28/5	11/5/4/0
*9A7T	187/47/10/14	332/66/24/30	330/66/26/45	257/76/31/26	36/16/12/0
*LZ9R	253/49/10/6	357/70/22/23	530/70/24/32	219/60/26/12	21/15/10/0

EUROPE MULTI-OP TWO TRANSMITTER

IT9BLB	435/62/16/22	830/85/27/45	1365/92/34/57	1189/108/37/51	107/49/24/0
T70A	838/64/18/19	914/85/28/43	1703/99/34/54	749/90/31/38	71/35/16/0
IQ1RY	581/63/17/20	997/87/29/51	1143/93/33/55	703/85/35/50	29/13/11/0
DD4W	601/64/15/17	800/86/27/42	1144/96/33/55	684/93/33/42	91/42/18/0
PI4CC	523/56/14/23	710/76/22/35	1202/91/34/54	501/92/31/39	74/27/14/0

EUROPE MULTI-OP MULTI-TRANSMITTER

HG1S	668/58/15/22	999/90/30/49	1212/107/36/54	827/105/36/44	98/42/17/0
LX7I	610/60/15/23	1043/76/23/50	1449/94/34/55	840/100/32/48	39/24/13/0
Z37M	827/67/21/23	1121/91/28/44	1229/95/33/54	606/101/35/32	117/40/18/0
LZ9W	270/50/8/1	908/73/26/42	1324/94/33/53	822/85/32/43	226/45/19/0
OH6R	499/55/11/1	1191/95/33/45	1299/99/33/51	353/75/25/11	46/29/13/0

not bad but still has lots of opportunity for improvement. One of the biggest problems was the omission of "DX" in the received QTH field for non-US/VE QSOs. This is easy for the participant to check and fix with a text editor before submitting the log. Another common problem is incorrect, or "busted," callsigns of stations worked. There were 14,449 unique calls that were only worked once across all logs. Virtually all of these are busts of legitimate calls and 65% were validated as such with the QSOs removed from the logs. There were also a number of QSOs that recorded the wrong frequency/band. 79% of all logged QSOs were in both logs and could be cross-checked. Of those cross-checked QSOs, 3.6% were bad and not credited: 1.6% were not in the log of the other station (NILs), 1.4% were busted callsigns, and 0.6% were busted QTHs.

In summary, there were accuracy errors and there were log-format errors. Accuracy errors need to be reduced while operating, but log-format errors should be found and fixed after the contest before submitting the log. The log submittal process uses a "robot" server that receives logs and inspects them for format errors. The participant is notified immediately on the log submittal web page, or via immediate e-mail from the robot. This notification explains what format errors, if any, were found. The participant should make corrections and resubmit. Only the most recently submitted log file is ultimately used in log checking. Participants are encouraged to request their Log Check Report (LCR) from <w0yk@cqwrrty.com> and review the log errors. Compare your individual results to the overall numbers above and decide how you want to change your operating style to improve in the next contest.

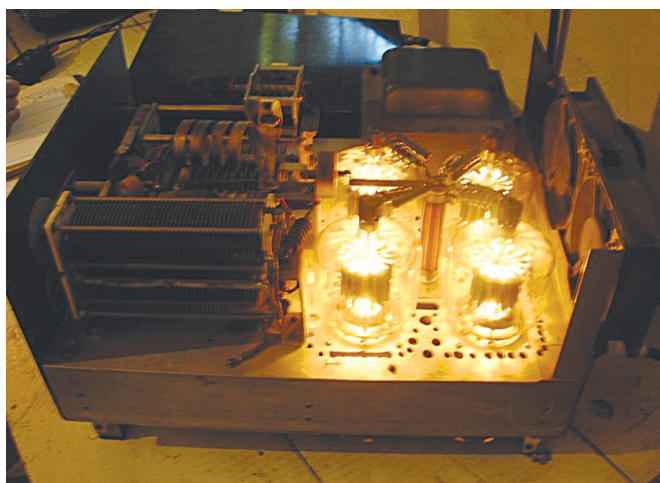
The contest website, <www.cqwrrty.com>, is a rich source of information about this contest and participants should take



The EF8M team (left to right) Alexandr, RZ3AZ, Val, RD3A/EF8M, Pekka, OH1RY, and Juan, EA8CAC, increased the Multi-Two record by 58 %.



The German team at CR3L precisely assembling antennas for their win in Multi-Multi (neatly dressed in their red jumpsuit uniforms).



The Chispero ("Sparky") amplifier at LP2F occasionally livens up the contest with its arcing crashes.

TOP SCORES IN VERY ACTIVE ZONES

Zone 3		Zone 14		UV5U.....1,694,476
K7QQ.....1,381,024	*CR6K.....2,921,906			*ER0FEO.....1,692,000
VA7KO.....937,664	DL4MDO.....1,788,010			
K7AR.....916,584	F5VKT.....1,708,080			Zone 20
W6AEA/7.....706,192	PA7LV.....1,559,880			Y09HP.....3,463,356
*VA7ST.....631,104	*DL9YAJ.....1,554,953			*Y03APJ.....1,376,110
				*4Z5CP.....1,254,900
				*H2E.....1,103,368
				SV9AHZ.....639,450
Zone 4	Zone 15			Zone 25
N4ZZ.....1,768,824	LY5E.....5,082,540			JH4UYB.....2,438,595
VE3EY.....1,723,496	SP9LJD.....2,793,672			*JA6GCE.....1,213,576
AB4GG.....1,632,138	S51A.....2,393,703			JF1PJK.....1,193,790
VE3DZ.....1,627,200	OM5ZW.....1,676,640			JA1OVD.....964,899
N8BJQ.....1,540,080	*HA8BE.....1,548,120			JA6BZI.....792,465
Zone 5	Zone 16			
W1UE.....4,234,020	RG3K.....3,245,504			
*N2QT/4.....2,281,132	UA4HOX.....2,282,893			
*VA2UP.....2,123,655	UR7GO.....2,146,690			
N6AR/4.....1,882,800				
W4PK.....1,714,788				

* Low Power

advantage of it in preparation for the next one on 24–25 September 2011.

Also, for expanded tables, QRM, and multi-station operators, go to the CQ website, <www.cq-amateur-radio.com>, and also to the RTTY contest website mentioned above.

Summary

Thanks again to all participants for making this the most popular RTTY contest of the year. Just like every contest, it is largely dependent on the many casual contest operators who in aggregate account for many of the QSOs in our logs.

Outside the contest itself are a number of people, most of whom are volunteers, who devote countless hours in support of this 48-hour event each year. Ken, K1EA, provides the log checking software and consulting during log check. Mark, K6UFO, stands by for any log checking tasks that he can lend a hand with. Mike, K4GMH, manages the CQ RTTY Contest plaque program. Barry, W5GN, manages the certificate printing and mailing. Both the plaques and certificates take many hours of diligent effort to ensure accuracy. Randy, K5ZD, set up the original website and continues to consult on its evolution as well as the searchable scores database that he set up with Don, AA5AU. This is a remarkable resource that not only archives all the results history of every submitted log since the beginning, but serves as the master database from which records are determined dynamically for



Miro, OK3R (OK1DVM), virtually tied for 1st place in Single-Op Assisted 40M, breaking the world record, running SO2R (single-band) with new Elecraft K3s.

most any category and geography the user chooses. And Gail, K2RED, of CQ magazine, expertly edits and assembles the output from log checking into this published article, as she does for all of the CQ contests.

Many participants responded to a request for photos. The overwhelming number of received photos is far too much for this article, so all will be posted in a gallery on the contest website. In the next contest, be sure to take photos and send them in with your comments and stories.

I look forward to seeing everyone again in the 25th annual CQ WW RTTY Contest at the end of the summer.

73, Ed, WØYK

Important Online Resources

CQ WW RTTY website: <http://www.cqwwrtty.com/>

CQ website: <http://www.cq-amateur-radio.com>

Cabrillo log file spec: <http://www.cqwwrtty.com/logs.htm>

Club name list: <http://www.cqwwrtty.com/clubnames.htm>

List of logs received: http://www.cqwwrtty.com/logs_received.shtml

Log submissions: rtty@cqww.com

All other correspondence: w0yk@cqwwrtty.com