

Results of the 2013 CQ WW DX CW Contest

BY RANDY THOMPSON,* K5ZD

*"What a wonderful time I spent in front of my radio this weekend."
—PP1CZ*

Think back to another November evening 90 years ago. Radio amateurs were experimenting with the supposedly "useless" wavelengths below 200 meters. Leon Deloy, French 8AB, announced his intention to transmit on 100 meters from 9:00 to 10:00 p.m. Eastern US Time, beginning on 25 November, 1923. ARRL Traffic Manager Fred Schnell at 1MO heard the transmission and requested permission to reply. The next night, the first ever two-way communication by radio amateurs between Europe and America was accomplished!¹

Testifying before the US Senate seven years later, Hiram Maxim (1AW) described the event to convey the excitement of each new achievement in amateur radio:²

It is difficult to explain the thrill that accompanies an experience such as this. It is sublime and carries with it a sort of uplift that makes us better and deeper-thinking men. The precision of it all, the picture of the Frenchman sitting in his little den in France, waiting for the precise second to come around, hand on key, the Americans sitting in their little shack in a little street in New England, silently listening and watching the time, the miles and miles of lonely black ocean over which the little electro-magnetic oscillations must travel, are utterly compelling to us amateurs.

How would those earliest DXers take in the CQ WW DX Contest CW of 2013? Could they imagine thousands of participants from around the world exchanging callsigns and signal reports in a frantic scavenger hunt for DX across six bands from 160 meters up to 10 meters?! While they may not have envisioned the future as it unfolded, they certainly shared the magic of wireless and the thrill of DX that still exists for us today.

The so-called double peak of solar Cycle 24 provided plenty of excitement for the more than 35,000 participants that were found in the logs of CQ WW CW 2013. A record number of 7,442 log entries were received—listing contacts with 203 different DXCC entities. The rarest contacts were with Sri Lanka (4S), Congo (9Q), Surinam (PZ), Kenya (5Z), and the Falkland Islands (VP8). Over 1.1-million contacts were reported with the United States, followed by European Russia (373K), Germany (348K), and Japan (282K).

All 40 CQ zones were active. The most zones worked on each band were 25 on 160 meters, 38 on 80 meters, 39 on 40 meters, and all 40 on 20, 15, and 10 meters. While a big country total is pleasing, zones have a special place in proving that you were able to reach all parts of the world during the 48 hours of the contest. Zone 37 seed to be the most difficult one for all bands except 15 meters.

It is the QRP entrants, those who choose

to play the game with 5 watts or less, that really tell the story of just how good conditions were. With 10 and 15 meters open around the world, it doesn't take much more than patience to experience the thrill that 8AB and 1MO enjoyed so many years ago. From K6UFO operating at NN7SS, "How many countries can I work on just 15m while QRP?" Answer: "114." N4LA was happy: "I actually tried to see how many countries I could work with QRP power... I ended up with 111 worked in just over 17 hrs." Perennial QRP entrant N1TM reported, "Personal best for this one." Just for fun, the OL4A team decided to do a QRP multi-multi. They ended up with over 7-million points (with over 100 countries on each of 40–10 meters)!

There were plenty of comments about Saturday being better than Sunday. Many reported that the high bands closed a bit earlier on the second day. Making contacts was also complicated by stations having very bad echoes at times, especially for backscatter QSOs within Europe. The echo was almost as loud as the main signal, making it nearly impossible to copy except at very slow CW speeds!

Single Operator All Band – High Power

There was an incredibly close race for the top world score in the Single Operator All Band category. It was virtually a three-way tie among P40F in Aruba operated by Valery R5GA, TO7A in Martinique operated by Dmitry UT5UGR, and CR3E in Madeira operated by Jose CT1BOH. The top two scores are only 4,000 points apart; that's less than one multiplier!

It is extremely difficult for a North American station to compete for the world high score due to only earning two points for each contact with WVE compared to three points earned by those in other continents. Dmitry's extraordinary score from TO7A was the result of running pileups on two bands at the same time throughout the



Sunrise at multi-single entry K8AZ. CW from lower left: W3YQ (foreground) working mults on 40, K8NZ running on 20, W8CAR tuning for mults on 160, and K8BL tuning for mults on 80.

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2013 WW DX CW TROPHY WINNERS AND DONORS

<p>SINGLE OPERATOR ALL BAND World P40F (Opr.: Valery Petrov, R5GA) Donor: Vibroplex</p> <p>World Low Power V26K (Opr.: Bud Trench, AA3B) Donor: Slovenia Contest Club</p> <p>World - QRP Dan Street, K1TO4 Donor: Gene Walsh, N2AA</p> <p>World - Assisted EF9O (Opr.: Juan Luis Pla Nebot, EA5BM) Donor: Robert McGwier, N4HY</p> <p>World - Assisted- Low Power P40W (Opr.: John Crovelli, W2GD) Donor: Lyubomir "Leo" Slavov, OR2F</p> <p>World - Assisted - QRP Nick Kornev, RA3AN Donor: Steve "Sid" Caesar, NH7C</p> <p>USA Dave Patton, NN1N Donor: Frankford Radio Club</p> <p>USA - Low Power Ed Sawyer, N1UR Donor: North Coast Contesters</p> <p>USA - QRP David Leduc, N1IX* Donor: W3ZZ Memorial (Andy Blank, N2NT)</p> <p>USA - Assisted Chas Fulp, Jr., K3WW Donor: John Rodgers, WE3C</p> <p>USA Assisted - Low Power James P. Bowman, KS1J Donor: LA9Z/LN9Z Leia Contest Club</p> <p>USA - Zone 3 Bob Wolbert, K6XX Donor: Central Arizona DX Association</p> <p>USA - Zone 4 Dave McCarty, K5GN Donor: The Society of Midwest Contesters</p> <p>Europe Ranko Boca, 4O3A Donor: W3AU Memorial (Florida Contest Group)</p> <p>Europe - Low Power Jose Haro Lora, EA7OT Donor: Tim Duffy, K3LR</p> <p>Europe - QRP Istvan Vajda, HG3M Donor: I4FAF Memorial (Sergio Cartoceti, IK4AUY)</p> <p>Europe - Assisted Manfred Wolf, DJ5MW Donor: I4IND Memorial (Claudio Veroli, I4VEQ)</p> <p>Europe - Assisted - Low Power Vinko Gregorcic, S53F Donor: Alex Goncharov, R3ZZ</p> <p>Africa CR3E (Opr.: Jose Carlos Cardoso Nunes, CT1BOH) Donor: K5KA Memorial (Ralph "Gator" Bowen, N5RZ)</p> <p>Asia Anatoly Polevik, RC9O Donor: W5PG Memorial (DFW Contesting Group)</p> <p>Carib./C.A. TO7A (Opr.: Dimitry Stashuk, UT5UGR) Donor: W5PG Memorial (DFW Contesting Group)</p> <p>Carib./C.A. - Low Power VP5CW (Opr.: Dave Horn, W5CW)* Donor: Albert Crespo, NH7A</p> <p>Oceania 9M6NA (Opr.: Saty Nakamura, JE1JKL) Donor: CQ magazine</p> <p>South America HD2T (Opr.: Yuri Onipko)* Donor: Dave Farnsworth, WJ2O</p>	<p>South America - Southern Cone (CE, CX, LU) - High Power CE3CT (Opr.: Martin Monsalvo, LU5DX) Donor: Dale Long, N3BNA</p> <p>South America - Southern Cone (CE, CX, LU) - Low Power LU8XW (Opr.: Oscar Vais, LU1XS) Donor: LU Contest Group</p> <p>ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) - Low Power Renato Schlittler, HS0ZLN Donor: Bob Kupps, N6BK</p> <p>Scandinavia (LA, OH, OZ, SM) OH2BH (Opr.: Kim Ostman, OH6KZP) Donor: W3FYS Memorial (Chas Weir, Jr., W6UM)</p> <p>Baltic (ES, LY, YL) Albertas Pipiras, LY5R Donor: LY2OO Memorial (Lithuanian Radio Sports Federation)</p> <p>Canada VY2TT (Opr.: Kenneth S. Widelitz, K6LA) Donor: John Sluymmer, VE3EJ & Jim Roberts, VE7ZO</p> <p>Russia Alexandr Gimmanov, UA5C* Donor: Roman Thomas, RZ3AA</p> <p>Japan Masaki Masa Okano, JH4UYB Donor: Phil Yasson, AB7RW</p> <p>Japan - Low Power Nobuhiro Iwasa, JH8SL5 Donor: Western Washington DX Club</p> <p>SINGLE OPERATOR, SINGLE BAND</p> <p>World - 28 Mhz ZD8X (Opr.: Jorma Saloranta, OH2KI) Donor: Joel Chalmers, KG6DX</p> <p>World - 21 Mhz CN2R (Opr.: Jim Sullivan, W7EJ) Donor: Lew Sayre, W7EW</p> <p>World - 14 Mhz 9Y4W (Opr.: Jim Neiger, N6TJ) Donor: W2JT Memorial (North Jersey DX Assn.)</p> <p>World - 7 Mhz IG9W (Opr.: Emilio Borea, IZ1GAR) Donor: Alex M. Kasevich, 8R1A</p> <p>World - 3.5 Mhz NP4A (Opr.: Alfredo Velez Ramos) Donor: Fred Capossela, K6SSS</p> <p>World - 1.8 Mhz Silvo Knuplez, S51V Donor: Kenneth Byers, Jr., K4TEA</p> <p>USA - 28 Mhz Vincent Sgroi, K1RM Donor: dxcffee.com</p> <p>USA - 21 Mhz Carl Kratzer, K3RV/4 Donor: Bob Naumann, W5OV</p> <p>USA - 14 Mhz Jason Goldsberry N5NU Donor: Northern Illinois DX Association</p> <p>USA - 7 Mhz Steven Sussman, W3BGN Donor: W6AM Memorial (Jan Perkins, N6AW)</p> <p>USA - 3.5 Mhz Robye L. Lahlum, W1MK Donor: Bill Feidt, NG3K</p> <p>USA - 1.8 Mhz Thomas M Greenway, K4PI Donor: Jeff Briggs, K1ZM</p> <p>Europe - 28 Mhz GM3X (Opr.: Clive Penna, GM3POI) Donor: Jay Pryor, K4OGG</p> <p>Europe - 21 Mhz Sigurdur Jakobsson, TF3CW Donor: Robert Naumann, W5OV</p>	<p>Europe - 14 Mhz CS2C (Opr.: Jiri Pesta, OK1RF) Donor: G3FXB Memorial (Maud Slater)</p> <p>Europe - 7 Mhz YT3A (Opr.: Vojislav Kapun, YU7AV) Donor: Ivo Pezer, 9A3A</p> <p>Europe - 3.5 Mhz OL7M (Opr.: Oldrich Linhart, OK1YM) Donor: K3VW Memorial (Frankford Radio Club)</p> <p>Europe - 1.8 Mhz Algirdas Uzdonas, LY7M* Donor: Pat Barkey, N9RV & Terry Zivney, N4TZ</p> <p>Asia - 21 Mhz Vakhtang Mumladze, 4L8A Donor: Coconut Wireless Contest Club</p> <p>Asia - 14 Mhz 4X2M (Opr.: Arthur Avrunin, 4X4DZ) Donor: W5FO Memorial (Ralph "Gator" Bowen, N5RZ)</p> <p>Asia - 7 Mhz Serge Gursky, UN0L Donor: Nodir Tursoon-Zadeh, EY8MM</p> <p>Carib./C.A. (28 Mhz) Eric M. Guzman, NP3A Donor: David Hodge, N6AN</p> <p>Canada (7 Mhz) Chris Aillingham, VE3FU Donor: John Sluymmer, VE3EJ</p> <p>Japan - 21 Mhz Akito Nagi, JA5DQH Donor: Bob Wilson, N6TV</p> <p>Japan - 14 Mhz Syuichi Sato, JA7FTR Donor: Chris Terkla, N1XS</p> <p>China (28 Mhz) Guang Yang, BA8AG Donor: LZ Contest Team</p> <p>OVERLAY CATEGORIES</p> <p>World - Classic VY2ZM (Opr.: Jeffrey T. Briggs, K1ZM) Donor: Pete Smith, N4ZR</p> <p>U.S.A. - Classic Peter H Briggs, K3ZM/4 Donor: CWops</p> <p>World - Rookie Andrei Enoktaev, R4WDX Donor: CWops</p> <p>U.S.A. - Rookie Michael Adams, N1EN Donor: CWops</p> <p>MULTI-OPERATOR, SINGLE TRANSMITTER</p> <p>World CN2AA (Oprs.: RN2FA, R3FA, RA3ATX, RA3CO, RK3AD, RL3FT, RV3MA, RW3FO, RX3APM, UA2FB, UA2FF, UA3ASZ) Donor: Boring Amateur Radio Club</p> <p>U.S.A. W1WMMU (Oprs.: W5WMMU, N5WR, K5GO, N5DX) Donor: Douglas Zwiebel, KR2Q</p> <p>Africa 5C5T (Oprs.: EA5CP, EA5YU, EA9BLJ)* Donor: Harry Booklan, RA3AUU</p> <p>Asia P33W (Oprs.: KU1CW RU4HP, RA2FA, UA2FZ, RV1AW, UA4FER, RW4WR, RA3AUU) Donor: Steve Merchant, K6AW</p> <p>Carib./C.A. 6Y7W (Oprs.: 6Y5WJ, UA8DX, UA9CDC, UN7LZ, UN9LW, RN4WA) Donor: Kansas City DX Club</p> <p>Europe TM6M (Oprs.: F1AKK, F5MUX, F6ARC, F8DBF, F8FKJ) Donor: Bob Cox, K3EST</p> <p>Oceania - Pacific Rim AH2R (Oprs.: NH2C, JR7OMD/WI3O, 7N2JZT/NH2KO, JE8KKX/AH2K, JO1RUR/KH0G) Donor: Junichi Tanaka, JH4RHF</p>
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South America
LT1F (Oprs.: LU1AEE, LU1FAM, LU1FKR, LU1FJ,
LU2FE, LU4FPZ, LU8ADX, LW6DG, OZ1AA)
Donor: Araucaria DX Group

Canada
VE7GL (Oprs.: VE7GL, VA700, VA7AO, VE7HJJ)
Donor: Eastern Canadian DX Assn.

Japan
JA1BPA (Oprs.: JA1BPA, JG1VGX, JM1LPN)
Donor: Madison Jones, W5MJ

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)
9M2SM (Oprs.: 9M2GET, 9M2ZAK, 9M2OUT, 9M2RD, X,
9M8SYA, 9W2SBD, 9W2SBL)
Donor: Bob Kupps, N6BK

MULTI-OPERATOR, TWO-TRANSMITTER
World
CR3L (Oprs.: DF1LON, DJ2YA, DK7YY, DL1CW,
DL5AXX, DL5LYM, DM2XO)
Donor: Array Solutions

U.S.A.
K1LZ (Oprs.: K1LZ, K1VR, AE2W, K3JO, LZ2HM,
LZ3CQ, N8BO, YO9GZU)
Donor: Tom Horton, K5IID

Europe
LX7I (Oprs.: DL3BPC, PC5A, PA4N, OE2VEL, OE5OHO,
DL5SE, DL2JRM, HB9CVQ, LX2A)
Donor: Aki Nagi, JA5DQH

MULTI-OPERATOR, MULTI-TRANSMITTER
World
D4C (Oprs.: OM7JG, YL3DW, LY2JJ, YL2KL, IK2JUB,
OM3RM, OM2VL, IK2NCJ, YL1ZF, K1RX, OM3BH,
HB9CAT, OM3GI)
Donor: K2GL Memorial (The K2GL Operators)

U.S.A.
K3LR (Oprs.: K3LR, K3UA, G4TSH, N2NC, W2RQ,
N9RV, N3SD, KL9A, N6MJ, N6TV, N6AN, N3GJ, K9GY)
Donor: N6RJ Memorial (Bob Ferrero, W6RJ)

Europe
ES9C (Oprs.: ES1OX, ES1WST, ES2DW, ES2MC,
ES2NA, ES2RR, ES2TI, ES4RD, ES5GP, ES5JR, ES5NC,
ES5QA, ES5QX, ES5RY, ES5TV, ES7GM, LZ2CWW,
OH1JT, OH1RX, OH2IW, OH7EA, OH7JR, RT2F,
YL2GQT, YL2VW, YL3AD, YL3CW)
Donor: Finnish Amateur Radio League

Oceania
AH0BT (Oprs.: W1NDE/JE1NDE, K2QXI/JJ2QXI,
KW2X/JG7PSJ)
Donor: JA9SSY Memorial (Tack Kumagai, JE1CKA &
Masa Sakurada, JR2GMC)

CONTEST EXPEDITIONS
World Single Operator
Cornelius Paul, DF4SA/HB0
Donor: Friends of Phil Goetz, N6ZZ

World Multi-Operator
TC0A (Oprs.: LZ1CNN, LZ1DCW, LZ1NK, LZ2UW,
LZ3FN, LZ3ND, LZ3YY, LZ5VK, TA2TX, TA3D, NENO)
Donor: Carl Cook, A16V

SPECIAL - SINGLE OPERATOR AWARD
World SSB/CW Combined
8P5A (Opr.: Tom Georgens, W2SC)
29,325,286
Donor: Hrane Milosevic, YT1AD

SPECIAL - TRIATHLON AWARD
World SSB/CW/RTTY Combined
Yuri Onipko, VE3DZ
26,623,135
Donor: Rudy Bakalov, N2WQ

CLUB
World SSB/CW
Yankee Clipper Contest Club
549,113,402
Donor: W1WY Memorial (CQ magazine)

Non-USA SSB/CW
Bavarian Contest Club
446,438,376
Donor: N6AUV Memorial (Northern California Contest
Club)

* Second Place

*Mark M0DXR enjoyed
single band 15 meters
using the callsign G9W.*



contest. This produced QSO rates in the 200+ range for many hours. Unfortunately for him, it also generated a slightly higher error rate in copying callsigns and exchanges. The penalty for errors pushed the TO7A score down and handed Valery the victory by the narrowest of margins. HD2T operated by Yuri VE3DZ finished fourth just ahead of Tom W2SC at 8P5A.

Dave NN1N set a new USA record on his way to the top USA score and #8 in the World. The "Admiral" Scott Redd K0DQ/1 visited the station of K8PO in Maine and also broke the USA record. These two scores

provide an interesting data point in the argument about rate vs multipliers. Scott ignored multipliers and spent the entire weekend running to make an incredible 5,600 QSOs before log checking (far and away the highest QSO total ever by a USA single op). Dave took the more traditional path to find 86 more multipliers in order to overcome a 500 QSO deficit. Third place went to Randy K5ZD/1 who was also above the magic 10-million point mark. Last year's winner, Alex LZ4AX at K3CR, improved on his best score, but it only earned fourth place in this very competitive year.

2013 CQ WW DX CW TOP SCORES

<p>WORLD SINGLE OPERATOR HIGH POWER ALL BAND</p> <p>P40F (R5GA)13,769,975 TO7A (UTSUGR)13,765,575 CR3E (CT1BOH)13,667,670 HD2T (VE3DZ)12,365,973 BP5A (W2SC)12,265,446 V47T (N2NT)11,381,279</p> <p>28 MHz</p> <p>ZD8X (OH2KI)2,423,123 CW5W (CX6VM)2,264,770 FY5KE (F6FVY)2,005,704</p> <p>21 MHz</p> <p>CN2R (W7EJ)1,796,546 5H3EE1,759,140 ZD1X (OH9XX/HP1WW)1,724,450</p> <p>14 MHz</p> <p>9Y4W (N6TJ)1,673,010 EA8AH (OH6CS)1,578,309 CS2C (OK1RF)1,090,073</p> <p>7 MHz</p> <p>IG9W (IZ1GAR)1,008,140 YT3A (YU7AV)964,119 CE1/K7CA909,150</p> <p>3.5 MHz</p> <p>NP4A (WP3C)645,970 OL7M (OK1YM)484,053 W1MK455,715</p> <p>1.8 MHz</p> <p>S51V278,964 EF8S (OH2BYS)268,863 4L5O227,254</p> <p>SINGLE OPERATOR LOW POWER ALL BAND</p> <p>V26K (AA3B)10,261,251 3V8BB (KF5EY)6,985,521 VP5CW (W5CW)6,032,838 9J3A (S53A)5,181,512 N1UR4,752,231 YN2CC (A9JC)4,533,288</p> <p>28 MHz</p> <p>NP3A1,010,898 9X0XA (G3XAO)839,790 FJVA3RA (VE3IKV)567,000</p> <p>21 MHz</p> <p>ZD8W (W6NV)1,839,030 FY5FY1,455,279 D3AA1,277,370</p> <p>14 MHz</p> <p>CN8KD721,350 UN6LN513,454 UK8OM263,624</p> <p>7 MHz</p> <p>C6AUM (K4RUM)831,727 HK3O471,120 TMØR (F6IRA)443,608</p> <p>3.5 MHz</p> <p>UN7CW171,735 OZ4UN131,868 OM3ZWA112,612</p> <p>1.8 MHz</p> <p>UT6UD67,551 US7VF30,590 ER2RM25,664</p> <p>SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND</p> <p>EF9O (EA5BM)13,530,554 EF8U (EA8RM)11,955,126 A65BP (RV6LNA)10,432,088 K3WW9,997,254 DJ5MW8,609,022 SN7Q (SP7GIQ)8,605,840</p> <p>28 MHz</p> <p>PR5B (PY2LSM)1,718,763 LW5HR1,154,300 P3Z (5B4AFM)1,043,284</p> <p>21 MHz</p> <p>CX7CO1,235,136 VE6JY (VE5MX)1,162,694 NH2DX (KG6DX)1,154,602</p> <p>14 MHz</p> <p>9K2HN (9K2RR)1,400,316 KV2K (K2NG)1,022,772 YT9A995,100</p>	<p>7 MHz</p> <p>OMØM (OM8AW)1,149,531 OK1FPS897,806 S52AW862,200</p> <p>3.5 MHz</p> <p>OM2KI568,550 DR1D (PY2SEX)553,664 DM7C475,553</p> <p>1.8 MHz</p> <p>RD8D (RX9CAZ)174,974 F5UTN135,412 DJØMDR126,174 DJ4AX79,394</p> <p>SINGLE OPERATOR ASSISTED LOW POWER ALL BAND</p> <p>P4ØW (W2GD)10,264,320 EF8X (EA8AY)5,426,648 CN2YM (DL3YM)5,160,438 S53F4,421,268 KS1J4,303,978 KP2B (WP3A)4,205,968</p> <p>28 MHz</p> <p>LO4D (LW9EOC)1,164,670 ZR9C (ZS6WN)517,914 LU7HF420,515</p> <p>21 MHz</p> <p>GW5R (GW3YDX)1,000,128 KE7X418,935 E74A413,780</p> <p>14 MHz</p> <p>CE3AA (XQ4CW)730,959 RA9AP578,858 OL5W448,572</p> <p>7 MHz</p> <p>YT2AA466,990 HG5D (HA8OZ)426,122 S52W420,979</p> <p>3.5 MHz</p> <p>LZ2SC151,452 OK1AY117,600 ER3AU114,387</p> <p>1.8 MHz</p> <p>E74O77,868 MWØEDX70,231 IKØXBX35,856</p> <p>SINGLE OPERATOR QRP ALL BAND</p> <p>K1TO/42,758,313 RW9RN1,377,075 N1IX1,118,597 HG3M1,035,588 LY5G1,005,800 JH1OGC916,150</p> <p>28 MHz</p> <p>K3OO260,022 KR2O232,440 GM3YEH116,085</p> <p>21 MHz</p> <p>V73NS134,100 JØ1NGT125,235 SP4JFR96,139</p> <p>14 MHz</p> <p>US5VX122,332 VU2UR60,170 HA6VV59,976</p> <p>7 MHz</p> <p>CO8DM77,924 YV5EN64,894 G4DBW48,190</p> <p>3.5 MHz</p> <p>T43T (CO3IT)121,040 SP4GL39,825 UT3EK20,591</p> <p>1.8 MHz</p> <p>HA5NB17,576 RA2FB7,439 UT5EO5,445</p> <p>SINGLE OPERATOR ASSISTED QRP ALL BAND</p> <p>RA3AN1,251,720 RT4W1,243,512 NØUR1,027,040 DM2M (DK3WE)925,903 OK7CM693,200 NF1R/6624,723</p>	<p>28 MHz</p> <p>JR3RWB121,914 F4BKV119,988 SO6C (SP6CIK)98,412</p> <p>21 MHz</p> <p>DL1EFW179,077 HA3JB132,924 VE6BMX128,721</p> <p>14 MHz</p> <p>YU1LM130,950 IK6FWJ66,918 EE3C (EA3KX)48,124</p> <p>7 MHz</p> <p>YUØW127,002 DJ2RG71,064 UT4FJ68,500</p> <p>3.5 MHz</p> <p>UT3L (UR5LO)64,703 UX5UU44,850 HG6C (HA6IAM)39,975</p> <p>1.8 MHz</p> <p>HA8BE22,824 HA7I (HA7JTR)22,021 UT3N (UT3NK)13,668</p> <p>MULTI-OPERATOR SINGLE TRANSMITTER</p> <p>CN2AA33,276,270 P33W28,158,800 P3N27,515,496 TM6M16,420,000 9A1P15,472,217 6Y7W15,161,416</p> <p>MULTI-OPERATOR TWO-TRANSMITTER</p> <p>CR3L36,230,790 P4ØL32,307,440 P4JA28,675,548 4LØA26,504,016 TCØA26,039,811 UP2L25,735,413</p> <p>MULTI-OPERATOR MULTI-TRANSMITTER</p> <p>D4C68,145,325 HK1NA40,698,588 PJ2T39,795,573 K3LR33,910,848 W3LPL32,270,976 ES9C30,790,130</p> <p>ROOKIE HIGH POWER</p> <p>R4WDX1,472,450 JA1ZLO (JE6MDL)235,572 KK4EIR139,442</p> <p>ROOKIE LOW POWER</p> <p>N1EN2,957,306 DM3ZM428,420 W4TTM396,633</p> <p>CLASSIC HIGH POWER</p> <p>VY2ZM (K1ZM)4,478,376 K3ZM/43,587,808 CT3KN3,529,625</p> <p>CLASSIC LOW POWER</p> <p>SU9AF (RW3AH)3,313,875 K1BX1,767,558 K1HT1,519,388</p> <p>UNITED STATES SINGLE OPERATOR HIGH POWER ALL BAND</p> <p>NN1N10,652,128 KØØD/110,297,950 K5ZD/110,050,712 K3CR (LZ4AX)9,925,004 K1ZZ8,782,400 KQ2M/18,419,257</p> <p>28 MHz</p> <p>K1RM720,954 N2IC/5667,959 K8MFO550,942</p> <p>21 MHz</p> <p>K3RV/4980,880 WA3A768,447 N1XS/5395,318</p> <p>14 MHz</p> <p>N5NU670,171 W8TA590,564 N5CR/7530,208</p>	<p>7 MHz</p> <p>W3BGN841,708 NR5M (K5GA)737,009 W7WA562,028</p> <p>3.5 MHz</p> <p>W1MK455,715 K3JGJ67,973 AA5B45,696</p> <p>1.8 MHz</p> <p>K4PI45,724 N7GP (N5IA)38,464 NØTT23,499</p> <p>SINGLE OPERATOR LOW POWER ALL BAND</p> <p>N1UR4,752,231 W3EF4,365,975 N5AW3,704,276 N4TZ/93,527,216 NA8V3,200,146 K2PØ/72,133,314</p> <p>28 MHz</p> <p>N8II418,761 WB4TDH335,240 W3EP/1319,009</p> <p>21 MHz</p> <p>KU2M719,374 W2AW (N2GM)356,555 W8IO234,580</p> <p>14 MHz</p> <p>K1EF1/343,050 WB3CI10,716 N9GBB6,656</p> <p>7 MHz</p> <p>K9UIY151,740 NS3T101,864 WØ9S70,686</p> <p>3.5 MHz</p> <p>NS7K2,449</p> <p>1.8 MHz</p> <p>KM1R6,517 WØBDSB/91,988 N2FJ250</p> <p>SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND</p> <p>K3WW9,997,254 N3RS8,518,809 NY3A7,810,750 AB3CX/27,103,937 K9NW6,412,477 K1AR6,319,210</p> <p>28 MHz</p> <p>WØMM/5681,660 NN4X598,970 N4ZR/8549,564</p> <p>21 MHz</p> <p>WA6O603,801 W9ILY491,415 N5ZC395,411</p> <p>14 MHz</p> <p>KV2K (K2NG)1,022,772 K1JB391,960 WR2G142,857</p> <p>7 MHz</p> <p>K3EST/6647,675 K9OM547,950 N6MA/7359,100</p> <p>3.5 MHz</p> <p>K9RS/3248,880 N6SS/7207,834 K4JPD126,420</p> <p>1.8 MHz</p> <p>W4SVO24,900 KU5B19,912 N6VR/717,836</p> <p>SINGLE OPERATOR ASSISTED LOW POWER ALL BAND</p> <p>KS1J4,303,978 W3KB3,157,260 NM5M3,005,667 N1EN2,952,268 W6AAN/32,682,570 W1NT2,502,291</p> <p>28 MHz</p> <p>NA3M/4196,840 K1ZO186,048 WB2AA176,120</p>	<p>21 MHz</p> <p>KE7X418,935 WØDLE311,395 WE9R257,920</p> <p>14 MHz</p> <p>W3IQ/8194,434 NW4V135,904 NM5Y114,300</p> <p>7 MHz</p> <p>N4IJ/5214,020 K9LA59,682 KV4QS32,544</p> <p>3.5 MHz</p> <p>W2DX1,325 NJØF814 K2BB6</p> <p>1.8 MHz</p> <p>W2MF11,340 W6AWW1,071 K5QY756</p> <p>SINGLE OPERATOR QRP ALL BAND</p> <p>K1TO/42,758,313 N1IX1,118,597 N1TM842,080 N7IR805,763 NA4CW721,532 NØØC583,376</p> <p>28 MHz</p> <p>K3OO260,022 KR2O232,440 N4AU19,680</p> <p>21 MHz</p> <p>KØFLY90,850 AA1CA62,222 KN1H23,214</p> <p>14 MHz</p> <p>N3JT/413,924 W8NNC8,036 NUØT7,150</p> <p>7 MHz</p> <p>KØOD45,308 N2JNZ27,740 WABREI11,440</p> <p>3.5 MHz</p> <p>KIØG/57,250 K9JWW/72,756</p> <p>1.8 MHz</p> <p>W7DRA36 K2MIJ24</p> <p>SINGLE OPERATOR ASSISTED QRP ALL BAND</p> <p>NØUR1,027,040 NF1R/6624,723 K8ZT513,603 N4LA261,360 NU4B176,755 NO2W127,140</p> <p>28 MHz</p> <p>W4OO77,862 KU7Y74,865 NA5NN (K2FF)33,234</p> <p>21 MHz</p> <p>K5ND89,376 K3TW/479,492 NN7SS (K6UFO)68,295</p> <p>1.8 MHz</p> <p>NW3R (NH7C)240</p> <p>MULTI-OPERATOR SINGLE TRANSMITTER</p> <p>W1WMU12,649,572 K8AZ11,352,484 W1VE10,189,638 K5TR9,273,099 K2OMF8,792,616 AA9A8,541,295</p> <p>MULTI-OPERATOR TWO-TRANSMITTER</p> <p>K1LZ24,945,250 KC1XX24,855,792 N1LN/415,187,644 K9CT14,915,716 NØNI11,882,290 KB1H11,296,902</p> <p>MULTI-OPERATOR MULTI-TRANSMITTER</p> <p>K3LR33,910,848</p>	<p>W3LPL32,270,976 W2FU26,873,277 WE3C26,304,360 NR4M21,738,600 NQ4I20,450,116</p> <p>ROOKIE HIGH POWER</p> <p>KK4EIR139,442 AB1OC17,372</p> <p>ROOKIE LOW POWER</p> <p>N1EN2,957,306 W4TTM396,633 WB4IT211,968</p> <p>CLASSIC HIGH POWER</p> <p>K3ZM/43,587,808 W2BC (W2RU)3,466,466 N2MF3,365,280</p> <p>CLASSIC LOW POWER</p> <p>K1BX1,767,558 K1HT1,519,388 W1GD1,224,689</p> <p>EUROPE SINGLE OPERATOR HIGH POWER ALL BAND</p> <p>4Ø3A (4Ø4A)9,184,560 UA5C7,146,405 OH2BH (OH6KZP)6,868,240 KHØV (OH6LI)6,777,680 OHØZ (OH6EI)6,198,885 M6T (G4BUO)5,803,868</p> <p>28 MHz</p> <p>GM3X (GM3POI)864,747 I19P (IT9GSF)622,398 LZ4TX537,264</p> <p>21 MHz</p> <p>TF3CW883,040 G9W (MØDXR)867,340 GM5X (GM4YX)847,653</p> <p>14 MHz</p> <p>CS2C (OK1RF)1,090,073 E73W1,035,408 LN3Z (LA6YEA)910,741</p> <p>7 MHz</p> <p>YT3A (YU7AV)964,119 S51V897,288 S57Z823,194</p> <p>3.5 MHz</p> <p>OL7M (OK1YM)484,053 Z35T302,376 YT4A (YT1AA)260,640</p> <p>1.8 MHz</p> <p>S51V278,964 LY7M149,256 OK2W131,310</p> <p>SINGLE OPERATOR LOW POWER ALL BAND</p> <p>EA7ØT3,442,707 EA4KD2,658,084 LY6A2,634,530 RA1AL1,850,750 UA2FL1,589,160 LA3S (LA3BO)1,564,765</p> <p>28 MHz</p> <p>OK1FDR393,432 HGØR (HAØNAR)357,875 DL4AAE311,360</p> <p>21 MHz</p> <p>EW6AF224,502 UA3XAO217,065 G4ERW201,788</p> <p>14 MHz</p> <p>DL9ZP257,336 HA6ØA256,376 ER1ØO222,942 SP6ZC194,600</p> <p>7 MHz</p> <p>TMØR (F6IRA)443,608 UU6J (UU2CW)313,576 9A9R308,568</p> <p>3.5 MHz</p> <p>OZ4UN131,868 OM3ZWA112,612 DL6KWN85,744</p>
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1.8 MHz	7 MHz
UT6UD.....67,551	G4DBW.....48,190
US7VF.....30,590	Y04BEW.....48,110
ER2RM.....25,664	SP7BCA.....45,346
SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND	3.5 MHz
DJ5MW.....8,609,022	SP4GL.....39,825
SN7Q (SP7GIC).....8,605,840	UT3EK.....20,591
UW3U (UT7UJ).....8,221,603	YOBRX.....19,376
S53MM.....8,176,894	1.8 MHz
E73M.....7,523,992	HA5NB.....17,576
IR2C (IK2PFL).....7,296,562	RA2FB.....7,439
	UT5EO.....5,445
28 MHz	SINGLE OPERATOR ASSISTED QRP ALL BAND
G3TXF.....912,540	RA3AN.....1,251,720
OK7K (OK1GK).....759,425	RT4W.....1,243,512
OT1A (ON4CCP).....627,096	DM2M (DK3WE).....925,903
21 MHz	OK7CM.....693,200
DL1IAO.....925,080	RZ3OS.....585,492
OL3Z (OK1HMP).....886,044	SM0THU.....535,493
EA6FO (EA3ALZ).....870,506	
14 MHz	28 MHz
YT9A.....995,100	F4BKV.....119,988
9A5Y (9A5CM).....920,000	SO6C (SP6CIK).....98,412
HA7GN.....844,610	EC4TA.....88,842
7 MHz	21 MHz
OM0M (OM8AW).....1,149,531	DL1EFW.....179,077
OK1FPS.....897,806	HA3JB.....132,924
S52AW.....862,200	EA5ON.....79,506
3.5 MHz	14 MHz
OM2K1.....568,550	YU1LM.....130,950
DR1D (PY2SEX).....553,664	IK6FWJ.....66,918
DM7C.....475,553	EE3C (EA3KX).....48,124
1.8 MHz	7 MHz
F5UTN.....135,412	YU0W.....127,002
DJ0MDR.....126,174	DJ2RG.....71,064
UR5AS.....107,272	UT4FJ.....68,500
SINGLE OPERATOR ASSISTED LOW POWER ALL BAND	3.5 MHz
S53F.....4,421,268	UT3L (UR5LO).....64,703
Y78A (YU1EA).....3,883,740	UX5UU.....44,850
LY7Z.....3,650,742	HG6C (HA6IAM).....39,975
LY3B.....3,563,937	1.8 MHz
DL4MCF.....3,479,490	HA8BE.....22,824
UX4U.....3,378,575	HA7I (HA7JTR).....22,021
	UT3N (UT3NK).....13,668
28 MHz	MULTI-OPERATOR SINGLE TRANSMITTER
I0UZF.....406,847	TM6M.....16,420,000
UX1AA.....318,872	9A1P.....15,472,217
OM5XX.....317,900	OM7M.....14,776,537
21 MHz	IR4M.....14,730,210
GW5R (GW3YDX).....1,000,128	UZ2M.....14,548,992
E74A.....413,780	E7DX.....14,147,450
M6W (G0DEZ).....354,276	
14 MHz	MULTI-OPERATOR TWO-TRANSMITTER
OL5W.....448,572	LX7I.....19,956,790
RM5D.....392,304	S50G.....14,500,056
IK8TE.....256,770	SK3Q.....14,464,725
7 MHz	LY2W.....14,238,840
YT2AAA.....466,990	YU5R.....13,861,358
HG5D (HA8QZ).....426,122	HG7T.....13,516,019
S52W.....420,979	
3.5 MHz	MULTI-OPERATOR MULTI-TRANSMITTER
LZ2SC.....151,452	ES9C.....30,790,130
OK1AY.....117,600	9A1A.....28,737,234
ER3AU.....114,387	DR1A.....25,407,020
	ED6A.....22,839,840
1.8 MHz	LZ9W.....21,496,904
E74O.....77,868	DF0HQ.....20,509,662
MW0EDX.....70,231	
IK0XBX.....35,856	
SINGLE OPERATOR QRP ALL BAND	ROOKIE HIGH POWER
HG3M.....1,035,588	R4WDX.....1,472,450
LY5G.....1,005,800	SO9KEJ.....1,17,055
UA7G.....883,623	YP6Z (Y06SZ).....61,830
SP9NSV.....838,090	
YL2CV.....776,917	ROOKIE LOW POWER
LZ0M (LZ2SX).....639,975	DM3ZM.....428,420
	DL3RH.....204,470
28 MHz	SO3PMM.....135,610
GM3YEH.....116,085	CLASSIC HIGH POWER
LZ2RS.....113,870	TM6X (F5VHY).....2,755,156
G4CWH.....65,604	EW2A.....2,701,350
	RM2U (RU3UR).....2,522,690
21 MHz	CLASSIC LOW POWER
SP4JFR.....96,139	GI5I (G4DOH).....1,203,728
F5VBT.....90,248	R3VO.....1,014,854
SP4GFG.....77,804	ED4M (EA4ZK).....997,904
14 MHz	
US5VX.....122,332	
HA6VV.....59,976	
EI4II.....58,410	



Operating crew at multi-multi station K3LR.

The European winner was 4O3A operated by Dragan 4O4A. Ranko explained the decision to make his station available: "Dragan is going on a peacekeeping mission in Afghanistan and will be there almost until the end of 2014. I believe he will miss the radio a lot, so I decided to give him the CW part this year, for his first-ever serious SOAB try." Alexandr UA5C finished in second place ahead of three Finns: Kim OH6KZP drove OH2BH ahead of Jukka OH6LI at OH0V and Tomi OH6EI at OH0Z. It shows how good conditions were to have northern Europe be so competitive.

Single Operator All Band – Low Power

The Low Power category was dominated by Bud AA3B operating from the rebuilt station of V26K. Bud had a very accurate log and ended up with an impressive 6,751 contacts, 141 zones, and 462 countries to set a new world record for the category! WRTC2014 competitor Ashraf KF5EYY operated 3V8BB to second place. Dave W5CW made his annual trip to VP5CW and finished a very respectable third.

It was a real dogfight for the rest of the spots in the Top Ten. Niko S53A went on an African safari using very simple antennas to take fourth place as 9J3A. Ed N1UR took fifth place and set a new all-time USA record. The second place USA score, and number 6 overall, was by Maury W3EF. Maury missed the first 2 hours and 45 minutes of the contest due to a series of airline flight cancellations and rebookings that would have left most people unable to operate, much less put in a full effort over the weekend! Marv N5AW cracked the world Top Ten and set a new record for the W5 call area.

There were some great races within Europe, as well. Jose EA7OT walked away

from fellow countryman Pedro EA4KD for the top spot. Rimas LY6A finished a very close third. Northern Europe took the next three spots with RA1AL, UA2FL, and LA3S.

Single Operator Assisted

There were 1,079 entries in the All Band Assisted High Power category this year. The winner was a one-man expedition by Juan EA5BM operating as EF9O. Juan drove 500 km and then took an 8-hour ferry ride to Melilla before setting up all of his own antennas on the roof of a building in the two days before the contest. You can view pictures of his setup at <http://tinyurl.com/q22osjn>. Second place was another Juan, EA8RM, operating from the club station of EF8U. It was his first serious attempt at a single operator effort in CQWW. Some equipment problems caused him to be off the air for most of the first 3 hours. That missing time may have cost him the win. Chas, K3WW, just missed breaking 10-million points as the top USA score. Manfred DJ5MW finished ahead of Krzysztof SN7Q by the narrowest of margins (3,200 points!) to claim the top European score. UW3U and S53MM had a close race for third.

The All Band Assisted Low Power category had 821 entries. The top score and new all-time world record was from P40W operated by John W2GD. Here is how John reports his efforts to set up for the contest: "2200 feet of feed lines and control cabling had been unrolled and connected, all Beverages repaired, and 700 feet of Yagi elements on the 4-el 40m and 3-el 80m wire beams aimed toward EU are deployed using 1500 feet of nylon string to support the element ends. K3 is set up, and TX and RX antenna switching systems hooked up and tested." Whew, makes you wonder how he has energy left to do the contest!

Second place was a battle from North Africa between Luis EA8AY at EF8X and Andy DL3YM at CN2YM. Luis dealt with wind that broke antennas and then a power outage that took him off the air the last few hours of the contest. Andy was presenting a paper at a symposium in Morocco and used the occasion to borrow the station of CN8VO to do the contest. The antenna farm consisted of a single double Zepp, but it was enough to get some pileups and have fun. The top USA score was by Jim KS1J.

Single Band

There were a number of very competitive finishes among the single band entries. One of the most exciting was on 10 meters where two

stations broke the all-time record. Jorma OH2KI travelled with three other operators to do single band efforts from Ascension Island in the south Atlantic. Jorma used the call ZD8X on 10 meters and raised the record score by almost 10%. Second place went to Jorge CX6VM operating as CW5W. Laurent F6FVY enjoyed the new antennas from FY5KE, but it was only enough for third place.

It was a three-station race on 15 meters. Jim W7EJ did his usual masterful work from CN2R to finish first. Not far behind was Mike 5H3EE, one of the few active stations from zone 37. Olli OH0XX/HP1XX visited Southern Sudan to put Z81X into third place.

Continuing the theme of travelling Finns, the race on 20 meters was between Jim N6TJ operating from 9Y4W and Jyrki OH6CS visiting EA8AH. By finishing first Jim shows no sign of

2013 WW DX CW TOP SCORES IN MOST ACTIVE ZONES

Zone 3		Zone 14		Zone 20	
K6XX	4,419,450	M6T (G4BUO)	5,803,868	EW2A	2,701,350
K6NA	3,486,366	GD6IA		RM2U (RU3UR)	2,519,220
*K2PO/7	2,133,314	(GM3WOJ)	5,330,520		
VA7ST	1,739,496	PA3AAV	3,799,338	C4W (5B4WN)	6,615,489
KE2VB/7	1,565,277	*EA7OT	3,442,707	*4Z4DX	4,026,840
K6NR	1,362,822	M3W (G4FAL)	2,866,996	*YO2LEA	808,704
		OV3X	2,800,044	*TA7I	766,335
				LZ0M (LZ2SX)	639,975
				*YO2CJX	586,768
Zone 4		Zone 15		Zone 25	
CJ3T (VE3AT)	9,073,944	4O3A (4O4A)	9,184,560	JH4UYB	5,007,624
VE3JM	7,874,447	OH2BH		JR4OZR	3,705,630
K5GN	7,856,513	(OH6KZP)	6,868,246	*JH8SLS	2,655,030
W9RE	6,834,420	OH0V (OH6LI)	6,777,680	*JA1BJI	2,273,382
VE3BZ	5,116,880	OH0Z (OH6EI)	6,198,885	*JI1RXQ	1,990,040
WX0B/5 (AD5Q)	5,074,980	HA8JV	5,073,894	JA7IC	1,541,609
		LY5R	4,988,594		
Zone 5		Zone 16			
NN1N	10,652,128	UA5C	7,146,405		
VY2TT (K6LA)	10,565,610	EU1A	4,812,060		
K0DQ/1	10,297,950	RW4W	3,399,718		
K5ZD/1	10,050,712	RG6G	3,109,860		
K3CR (LZ4AX)	9,925,004				
K1ZZ	8,782,400				

CQ WW CW 2013 on Video

I11A: <http://youtu.be/siZhqhbtvPA>
 LY2W: <http://youtu.be/XAa4wZsFWBU>
 HS0ZAR: <http://youtu.be/AvtL8EksTqE>
 PA6NB: <http://youtu.be/IO3rO5ME2LQ>
 TC0A: <http://youtu.be/3VoWi05VCNs>
 WR9D tuning 10 meters: http://youtu.be/KICuw_uTsyU
 WR9D: <http://youtu.be/oLY4K3D3oYA>
 JA1YPA: <http://youtu.be/qjpwMNWVYxy>
 TF3EO: <http://youtu.be/qT6nqekH7ww>
 PX1M: <http://youtu.be/arCmBJU6Nz8>
 LU1DZ: <http://youtu.be/9LoKZzDk-oA>
 UT3WM: <http://youtu.be/U8aSwO9RAfQ>
 VE3LC: <http://youtu.be/hSpe1fcqz5M>
 40 meters: <http://youtu.be/wDHcTkOE0TQ>
 TO7A: <http://youtu.be/2rDKZokun-8>
 D70LW: <http://youtu.be/-ZZXDpLbMg>

2013 CQ WW DX CW BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs/Zones/Countries on each band

WORLD SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
P40F	66/10/25	464/20/73	1826/28/92	1242/30/98	1670/33/104	2180/29/93
TOTA	35/10/31	481/19/75	1554/33/114	1774/35/113	2107/34/114	1965/30/117
CR3E	274/14/49	682/18/68	1527/29/90	1101/35/100	1223/34/102	2155/35/107
HD2T	4716/12	493/23/58	1269/32/84	1092/34/91	1853/33/100	2103/35/113
8P5A	323/16/53	626/20/77	1077/28/91	1511/30/97	1515/32/98	2242/28/99

WORLD SINGLE OPERATOR ASSISTED ALL BAND

EF90	48/6/38	208/14/69	1664/37/129	1181/38/125	1114/39/128	1611/37/134
Ef8U	32/8/31	251/19/79	1190/31/110	962/37/127	1460/38/130	1805/36/125
A65BP	77/9/29	579/24/89	1098/37/126	917/37/122	693/36/127	1330/35/137
*P40W	85/14/32	525/21/86	620/31/119	862/35/121	1246/35/124	1326/32/118
K3WW	76/17/51	325/22/91	1108/32/123	1049/35/116	878/35/123	1050/29/120

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

CN2AA	520/22/88	1827/34/125	1967/39/148	1710/39/149	2365/40/158	2691/39/161
P33W	316/19/78	1290/31/117	2539/39/148	2082/40/148	1888/40/157	1911/39/154
P3N	397/18/78	1400/34/119	2453/39/146	1940/40/147	1974/40/148	2029/38/149
TM6M	130/18/79	677/34/119	1894/38/147	1538/38/145	1180/40/151	1722/39/152
9A1P	270/23/91	990/36/128	1913/39/147	1373/39/147	1238/40/152	1341/38/151

WORLD MULTI-OPERATOR TWO TRANSMITTER

CR3L	295/16/62	1195/30/109	2798/36/139	2338/39/148	3164/40/153	3104/38/145
P40L	352/14/53	1056/27/100	2595/36/126	2117/38/127	3587/38/145	2878/34/142
PJ4A	316/14/53	1404/26/105	1917/38/134	2120/38/139	3191/39/148	2037/34/140
4LOA	424/17/63	1512/31/109	2941/39/138	1645/39/132	2056/40/144	2029/36/136
TC0A	644/17/64	1761/26/100	2946/39/140	1836/38/136	1868/40/142	1439/35/126

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

D4C	1109/25/90	2544/38/128	3972/38/145	5239/40/159	4577/40/164	4618/38/170
HK1NA	712/21/63	1432/25/99	2971/37/134	3539/39/147	3027/40/154	3199/38/151
PJ2T	633/20/64	1371/29/107	3230/36/136	3466/39/140	3445/38/147	2694/34/139
K3LR	259/22/74	1259/33/120	2834/39/159	3000/40/163	2456/39/157	1934/36/160
W3LPL	393/23/83	1468/32/122	2582/37/151	2643/40/162	2586/38/155	1762/33/152

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
NN1N	53/16/38	348/24/88	1510/35/110	770/37/108	869/33/103	1543/29/115
K0DD/1	50/12/30	453/18/67	1675/29/104	1210/35/103	977/33/101	1175/25/93
K5ZD/1	48/12/29	496/21/79	1291/33/106	1142/33/112	957/34/117	1011/27/104
K3CR	66/14/40	323/22/85	1358/34/119	701/33/101	1140/34/108	1172/30/107
K1ZZ	42/11/31	344/18/83	1331/34/113	672/33/96	785/32/104	1148/30/119

USA SINGLE OPERATOR ASSISTED ALL BAND

K3WW	76/17/51	325/22/91	1108/32/123	1049/35/116	878/35/123	1050/29/120
N3RS	61/17/50	283/22/102	743/36/134	832/38/138	761/37/145	663/33/145
NY3A	72/14/45	241/20/80	845/30/113	780/35/119	750/35/134	834/30/130
AB3CX/2	32/9/20	262/17/73	972/33/119	745/35/108	713/30/113	827/28/114
K9NW	48/16/33	222/26/94	525/36/125	453/37/126	755/37/141	707/33/135

USA MULTI-OPERATOR SINGLE TRANSMITTER

W1WMMU	96/17/63	597/23/103	1520/36/134	986/39/140	947/37/141	862/33/140
K8AZ	52/15/49	207/28/108	1380/36/129	953/38/136	1008/37/146	940/33/137
W1VE	42/11/40	486/23/101	1107/37/130	923/38/129	774/35/135	1130/32/126
K5TR	63/19/49	247/27/98	1349/36/128	523/37/128	872/38/141	845/33/135
K2QMF	43/12/34	176/17/81	1004/33/125	1105/37/128	932/38/139	742/29/123

USA MULTI-OPERATOR TWO TRANSMITTER

K1LZ	146/18/66	1204/29/116	2187/38/149	1715/40/140	2160/38/153	1817/33/145
KC1XX	72/18/60	1137/31/122	2301/39/152	1519/39/138	2298/39/156	1730/33/149
N1LN/4	69/16/42	582/26/102	1333/35/133	1380/39/134	1698/37/142	1188/33/139
K9CT	98/18/49	408/27/99	1327/36/135	1198/40/139	1654/39/148	1273/34/144
N0NI	80/18/43	474/27/95	1112/36/126	998/37/133	1522/37/135	1017/34/132

USA MULTI-OPERATOR MULTI-TRANSMITTER

K3LR	259/22/74	1259/33/120	2834/39/159	3000/40/163	2456/39/157	1934/36/160
W3LPL	393/23/83	1468/32/122	2582/37/151	2643/40/162	2586/38/155	1762/33/152
W2FU	389/18/66	1263/32/117	2105/37/144	2440/38/149	2378/39/153	1715/33/143
WE3C	290/21/78	857/31/115	2245/38/147	2303/39/151	2072/39/153	1700/33/151
NR4M	154/18/52	1045/31/117	2092/36/134	1906/38/140	1918/34/136	1645/32/132

slowing down his 48-hour winning contest efforts in spite of being 74 years old!

With the higher bands being so good, the low bands suffered a bit both due to propagation and less activity. The winning score on 40 meters was by Emilio IZ1GAR enjoying the three-point advantage of African Italy at IG9W. Close behind was Vojislav YU7AV operating YT3A. The champion on 80 meters was the mountaintop station of NP4A operated by Alfredo WP3C. Oldrich OK1YM was testing a new antenna on his way to second place from OL7M. Robye W1MK made his usual fantastic score to finish third overall. 160 meters was a three continent race among Silvo S51V, Mauri OH2BYS at EF8S, and Omari 4L5O.

Three stations broke the world record for low power on 15 meters: ZD8W by Oliver W6NV, Didier FY5FY (at FY5KE), and Mikhail D3AA. All were also welcome multipliers in many logs!

There were a number of new records set in the Assisted single band categories. The high power 10 meters record was broken by Alan PY2LSM at PR5B. Alan now holds both the Assisted 10 and 15 meter world records. Hamad 9K2RR just missed setting a new high power 20 meter record from 9K2HN. On 15 meters low power, Ron GW3YDX used the contest call GW5R to nearly double the existing record.

QRP

The record 506 entries in the various QRP categories offered more proof of just how good conditions were. The All Band category was dominated by Dan K1TO/4 breaking the USA record set by Rick K3OO back in 2000. Dan explained his strategy this way: "I typically tuned right past big pileups. The goal was to find stations with 'no' other callers. Even one other caller and I was generally out of luck." That constant searching paid off with a big win. Second place went to Andy RW9RN. The aforementioned K3OO did set a new USA record while winning 10 meters. Neil V73NS and Kenji JQ1NGT,

both far from the contest population centers, vied for the top spot on 15 meters. It was a very close race for the top All Band Assisted class with Nick RA3AN just ahead of Mike RT4W.

Overlay Categories

This was the first year for Overlay categories in CQ WW. The overlay categories are a parallel competition that runs in addition to the traditional scores. There were 56 entries in the Rookie category which is for operators that have been licensed less than three years. Michael N1EN had the highest Rookie score, just a few weeks under the three-year eligibility limit. The top high power Rookie score was by Andrei R4WDX. Take a look at the Rookie scores to follow these up-and-coming contesters.

The Classic Overlay category is for single operator stations that use only one radio and no DX spotting assistance. The Classic Overlay score is calculated using only the first 24 hours of operating time. The high power competition was a battle between two brothers. Jeff K1ZM operated VY2ZM to world high. Second place was his brother Peter K3ZM/4. Ricardo CT3KN was a very close third. The low power competition was won easily by Andrew RW3AH operating from Egypt as SU9AF. Second place was a chase between two New Englanders, Art K1BX and Dave K1HT.

Multi-Operator

The Multi-Single category had 185 entries this year. The team at CN2AA not only repeated their victory from the SSB contest, they raised the world record for the category by more than 20%! The previous record holder, P33W, also broke the record. Close behind was another Russian team at P3N. These two efforts helped explain how there were over 32,000 contacts reported with the small island of Cyprus. TM6M and 9A1P raced for the top European score. The chase for top USA score was between a W5 contingent visiting W1WMU in far eastern Maine vs the experienced multi-op team at K8AZ in northeast Ohio.

The Multi-Two category had a number of interesting continental competitions. The winning score was by a team of Rhein Ruhr DX Association members who travelled to CR3L. The next two places were between P40L in Aruba and PJ4A in Bonaire. P40L got the win and the new South America record. The fourth and fifth place finishers both exceeded the existing score record for Asia, with 4L0A taking the new record over TC0A and close finisher UP2L. The seventh and eighth place scores were between rivals K1LZ and KC1XX who both broke the existing USA record. After 9000 contacts, they finished less than 100K apart in score!

The D4C team was back for another attempt at the 1999 CN8WW world record in the Multi-Multi category. Team D4C made over

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
4O3A	336/17/61	687/21/76	1473/30/96	1151/30/103	1497/34/110	1258/32/100
UA5C	302/12/52	797/24/91	1412/34/111	1000/32/98	1019/36/109	702/34/102
OH2BH	161/11/45	773/25/84	1126/32/102	1063/35/103	826/35/105	875/36/108
OH0V	423/12/56	786/19/64	1598/32/108	1073/32/88	1166/33/100	844/31/90
OH0Z	259/14/52	732/16/72	985/34/92	931/35/98	958/37/109	908/32/102

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

DJ5MW	143/16/64	600/28/109	1068/37/136	1082/39/144	740/40/139	605/36/138
SN7Q	110/15/51	684/30/95	1507/33/101	1094/37/106	826/38/121	905/35/114
UW3U	270/13/59	725/24/98	1133/37/132	811/37/131	891/40/138	855/37/141
S53MM	112/13/58	677/25/92	1569/39/133	764/36/120	656/39/135	705/36/113
E73M	59/12/55	289/19/80	1358/37/122	1117/35/122	820/37/130	735/37/126

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

TM6M	130/18/79	677/34/119	1894/38/147	1538/38/145	1180/40/151	1722/39/152
9A1P	270/23/91	990/36/128	1913/39/147	1373/39/147	1238/40/152	1341/38/151
OM7M	149/20/75	397/32/116	2240/38/145	1142/39/149	1468/40/151	1153/39/153
IR4M	142/20/80	577/31/114	1821/39/145	1552/39/145	1512/39/152	1017/37/149
UZ2M	310/24/85	937/36/126	2081/38/146	1360/39/147	1815/40/154	1066/38/151

EUROPE MULTI-OPERATOR TWO TRANSMITTER

LX7I	633/18/73	1923/34/114	2386/39/137	1871/37/138	2236/39/145	1596/37/148
S5G	380/17/68	1317/26/105	2011/39/141	1398/39/139	1597/40/145	971/38/135
SK3W	291/17/67	1307/33/119	1572/39/146	1323/38/148	1751/40/145	1249/37/150
LY2W	592/19/75	1378/31/111	2017/39/140	1405/40/144	1322/39/146	817/38/144
YU5R	390/17/67	1462/32/116	1959/39/144	996/39/146	1485/40/147	1122/39/147

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

ES9C	1257/25/94	2434/35/132	3398/39/155	3270/40/158	2735/40/162	2152/40/165
9A1A	1442/21/88	2170/33/125	3459/39/148	2931/39/150	2272/40/153	1927/38/152
DR1A	1078/21/87	2190/32/124	2679/39/148	2755/38/150	2021/40/154	1860/40/155
ED6A	1148/19/79	2113/33/113	3575/38/137	3048/38/142	2457/38/136	1938/34/126
LZ9W	945/19/72	1874/34/121	2935/39/148	2852/39/148	1687/38/143	1601/39/148



In the action at PJ2T. DF9LJ is running on 20 and behind him RW0CN on 40.

22,000 contacts with 1075 total multipliers to win easily, but it was not enough to break the record. They deserve a lot of credit for station building and operating to achieve such fantastic scores on both modes. Second place went to HK1NA just ahead of nearby competitor PJ2T. Fourth place overall went to K3LR over rival W3LPL. This is the ninth consecutive USA win for K3LR. The team at ES9C took advantage of the conditions to repeat their SSB achievement of top Europe score. They also set a new European record. 9A1A and DR1A could only take solace that such good conditions for Northern Europe don't happen very often.

A number of the multi-operator teams commented on using the live scoreboard at cqcontest.ru to enhance the game by tracking their competition. It's a new twist for competitors to be able to "see" their competition in real-time just like it was a race on a track.

Final Thoughts

Not sending callsigns frequently continues to be a subject of debate for many competitors. The increasing use of the DX Cluster keeps

the pileups rolling so there is a misperception that the callsign is known. The station that is running wants to go as fast as possible and manage the pileup by not encouraging new callers. The stations listening need some expectation of how long they should have to wait to hear a callsign—even if only to confirm they are working the station they think they are. Do we need a rule change to balance the needs of both runners and listeners?

As you can see from the results, the level of competition is so high and so close that the final order of finish can only be determined by the log checking. The CQ WW Contest Committee is very serious about this and invests many hours to make sure everyone gets the points they are entitled to. The rules require single band entrants to submit *all* of their contacts made in the contest even on other bands. If they don't do this, stations they work will receive not-in-log penalties for those contacts not submitted. It is important to copy the zones for USA and Russian stations. Many entries lost a lot of points for not copying zones correctly.

Thanks to the members of the CQ WW Contest Committee who helped to process the logs, and to the volunteers who typed in the

2013 CQ WW CW & SSB COMBINED CLUB SCORES

Club	Entries	Points						
United States			SLOVENIA CONTEST CLUB	49	120,264,396	RADIO CLUB VENEZOLANO CARACAS	10	3,079,328
YANKEE CLIPPER CONTEST CLUB	280	549,113,402	RUSSIAN CONTEST CLUB*	51	108,439,710	R4F-DX-G	7	3,049,347
FRANKFORD RADIO CLUB	187	423,886,201	SF DX CLUB	98	98,196,332	SOUTHERN OSAKA CONTEST CLUB	9	3,014,075
POTOMAC VALLEY RADIO CLUB	231	380,639,346	URAL CONTEST GROUP	39	97,682,859	SK4DM VASTERBERGSLAGENS SANDAR AMATORER	5	2,986,826
MINNESOTA WIRELESS ASSN	130	140,159,320	LU CONTEST GROUP	72	91,500,136	SAMARA RADIO CLUB	8	2,902,026
NORTHERN CALIFORNIA CONTEST CLUB	103	133,112,174	UKRAINIAN CONTEST CLUB	116	85,846,998	OMSK RADIO CLUB	9	2,812,410
NORTH COAST CONTESTERS	35	120,871,912	BLACK SEA CONTEST CLUB	113	81,004,645	ALBERTA CLIPPERS	5	2,785,700
FLORIDA CONTEST GROUP	82	106,291,710	KAUNAS UNIV. OF TECHNOLOGY RC	58	73,320,929	KOREA CONTEST CLUB	5	2,511,187
SOCIETY OF MIDWEST CONTESTERS	122	104,537,872	HA-DX CLUB	20	72,491,132	PERM RADIO CLUB	5	2,466,433
ARIZONA OUTLAWS CONTEST CLUB	81	83,361,030	ORCA DX AND CONTEST CLUB	47	67,212,941	VRHNIKA CONTESTERS	8	2,290,808
SOUTHERN CALIFORNIA CONTEST CLUB	62	75,913,813	ARAB CONTEST CLUB	6	53,140,844	PERUGIA CONTEST CLUB	11	2,244,584
MAD RIVER RADIO CLUB	36	55,011,472	LATVIAN CONTEST CLUB	38	51,224,579	LA-DX-GROUP	5	2,240,927
SOUTH EAST CONTEST CLUB	34	54,516,630	CONTEST CLUB SERBIA	88	49,847,446	SARATOVSKAYA OBLAST RADIO CLUB	12	2,098,975
CENTRAL TEXAS DX AND CONTEST CLUB	23	45,152,772	CLIPPERTON DX CLUB	19	42,966,680	PODOLSK	7	2,087,573
WESTERN WASHINGTON DX CLUB	54	42,705,074	LZ CONTEST TEAM	5	42,578,951	UA2 CONTEST CLUB	9	2,055,929
TENNESSEE CONTEST GROUP	44	39,944,548	WORLD WIDE YOUNG CONTESTERS*	21	40,453,574	BRISTOL CONTEST GROUP	4	1,965,070
CAROLINA DX ASSOCIATION	55	39,074,381	BELOKRAJNJEK CONTESTERS	19	34,431,809	CENTO DX TEAM	7	1,960,850
ALABAMA CONTEST GROUP	43	38,566,199	VK CONTEST CLUB	32	32,459,610	SK0QQ SODERTORNS RADIOAMATORER	6	1,735,102
HUDSON VALLEY CONTESTERS AND DXERS	34	37,541,799	LES NOUVELLES DX	9	32,373,600	LOMA DEL TORO CONTEST CLUB	7	1,685,582
DFW CONTEST GROUP	51	34,437,410	BEARLUS CONTEST CLUB	45	31,796,072	NEWBURY AND DISTRICT ARS	6	1,679,602
IOWA DX AND CONTEST CLUB	5	29,445,068	WEST SERBIA CONTEST CLUB	15	30,123,004	SERPUKHOV RADIO CLUB	7	1,672,844
WILLAMETTE VALLEY DX CLUB	38	28,826,850	CHILTERN DX CLUB	46	28,190,457	DOMODEDOVO	5	1,652,403
GEORGIA CONTEST GROUP	16	22,274,173	VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	15	25,437,100	RUSSIAN EXTREME	5	1,612,351
GRAND MESA CONTESTERS OF COLORADO	26	20,590,567	SOUTH URAL CONTEST CLUB	25	25,128,491	CDR GROUP	4	1,590,427
CTRI CONTEST GROUP	13	20,236,099	BOSNIA AND HERZEGOVINA CONTEST CLUB	23	25,078,205	CW OPERATORS CLUB*	4	1,589,641
LOUISIANA CONTEST CLUB	15	19,785,584	NICOSIA CONTEST GROUP	5	24,564,162	GMDX GROUP	11	1,584,370
LOUISIANA DX AND CONTEST CLUB	4	16,783,952	MARITIME CONTEST CLUB	25	23,885,491	CHILEAN PACIFIC DX GROUP	9	1,563,838
MOTHER LODE DX/CONTEST CLUB	29	15,148,605	RADIO CLUB HENARES	11	21,758,750	KEMEROVO RADIO CLUB	5	1,534,051
NORTH TEXAS CONTEST CLUB	13	14,796,754	THREE A'S CONTEST GROUP	9	21,059,946	STAVROPOL REGION CONTEST CLUB	4	1,501,770
NIAGARA FRONTIER RADIOSPORT	10	7,337,598	CZECH CONTEST CLUB	17	20,952,768	ADMIRA ARAD	7	1,495,910
UTAH DX ASSOCIATION	23	9,420,666	ARCK	24	17,764,786	CENTRAL SIBERIA DX CLUB	6	1,421,097
ROCHESTER (NY) DX ASSN	23	9,338,199	599 CONTEST CLUB	16	16,670,888	SP CONTEST CLUB	7	1,381,524
EAST LANSING DX CLUB	4	7,478,045	LA CONTEST CLUB	19	16,228,981	CHEL TENHAM AMATEUR RADIO ASSOCIATION	4	1,374,771
MADISON DX CLUB	13	7,162,427	SAUDI CONTEST GROUP	5	15,354,034	AMSTERDAM DX CLUB	4	1,338,857
SOUTHWEST OHIO DX ASSOCIATION	11	7,111,166	SKY CONTEST CLUB	7	15,088,030	THE BARBEQUE ENTHUSIASTS ARC	7	1,198,189
MISSISSIPPI VALLEY DX/CONTEST CLUB	19	5,651,753	RUSSIAN CW CLUB	83	14,225,286	CWJF GROUP	5	1,168,220
KANSAS CITY CONTEST CLUB	15	5,120,873	CS PETROLUL PLOIESTI	8	14,045,578	BRACKNELL AMATEUR RADIO CLUB	5	1,159,628
DELARA CONTEST TEAM	7	4,887,076	YO DX CLUB	28	12,095,587	MICHURINSK CONTEST GROUP	5	1,147,219
SPOKANE DX ASSOCIATION	24	4,808,778	WEY VALLEY AMATEUR RADIO GROUP	4	12,070,556	BASHKORTOSTAN DX CLUB	9	1,111,437
SALT CITY DX ASSOCIATION	4	4,186,974	TORRENT CONTEST CLUB	6	11,959,163	VILADIMIR CONTEST GROUP	9	1,071,670
HILLTOP TRANSMITTING ASSN	5	3,986,410	YE AND DX CLUB	42	10,002,694	EDT 14	6	1,054,414
KANSAS CITY DX CLUB	8	3,899,938	CE CONTEST GROUP	14	9,816,573	TANGO FOX RADIO FOXES	4	1,043,831
BRISTOL (TN/VA) ARC	14	3,753,514	YOKOHAMA DX CLUB	5	9,700,027	NOVOSIBIRSK CONTEST CLUB	5	1,011,421
NORTHERN ROCKIES DX ASSOCIATION	6	3,722,790	SIAM DX GROUP	6	9,143,927	EUROPEAN PSK CLUB*	10	993,996
SOUTHEASTERN DX CLUB	9	3,616,825	MEDITERRANEO DX CLUB	44	8,986,493	OBNSK ORU CLUB	10	908,631
ALLEGHENY VALLEY RADIO ASSOCIATION	5	3,117,229	UNIVERSITY OF TOKYO CONTEST CLUB	8	8,958,983	CSM CLUJ-NAPOCA	9	853,557
KENTUCKY CONTEST GROUP	8	2,873,953	DANISH DX GROUP	21	8,799,049	ORENBURG CONTEST CLUB	5	831,974
TEXAS DX SOCIETY	9	2,722,204	HAROS RADIO CLUB	4	8,787,364	MOSCOW RADIO CLUB	10	808,288
599 DX ASSOCIATION	8	2,370,502	ALRS ST PETERSBURG	20	8,731,397	KALININGRAD RADIO CLUB	4	805,602
BERGEN ARA	12	2,167,016	CATALONIA CONTEST CLUB	4	8,331,853	FERRARA DX TEAM	4	633,564
PADUCAH AMATEUR RADIO ASSOCIATION	4	1,834,088	GRIMSBY AMATEUR RADIO SOCIETY	9	8,104,479	BARIVM DX TEAM	13	549,550
METRO DX CLUB	15	1,808,130	RIO DX GROUP	47	7,770,816	RTTY CONTESTERS OF JAPAN	4	532,296
NORTH CAROLINA DX AND CONTEST CLUB	7	1,469,851	RIIHIMAEN KOLMOSET	9	7,667,317	LKK LVIV SHORTWAVE CLUB	7	524,406
CENTRAL ARIZONA DX ASSOCIATION	8	1,387,640	RADIO AMATEUR ASSN OF WESTERN GREECE	5	7,644,483	PRIMORSKIY RADIOCLUB	5	523,517
SKYVIEW RADIO SOCIETY	13	1,376,983	LIPETSK RADIO CLUB	4	7,419,049	KRIVBASS	4	507,686
SAN DIEGO DX CLUB	5	1,237,334	GUARA DX GROUP	16	7,295,930	SK2AT FORENINGEN UIMEA RADIOAMATORER	4	504,630
WEST PARK RADIOS	11	1,097,698	DONBASS CONTEST CLUB	34	6,935,160	GRUPO DXE	5	495,256
PORTAGE COUNTY AMATEUR RADIO SERVICE	7	1,010,511	IVANOV DX CLUB	6	6,732,424	SK6AW HISINGENS RADIOKLUBB	9	487,086
RADIO CLUB OF REDMOND	4	916,294	IRKUTSK RADIO CLUB	9	6,641,560	TDR	6	473,789
PUEBLO WEST AMATEUR RADIO CLUB	4	898,127	RADIO CLUB PARMA	5	6,489,709	RADIOCLUBUL QSO BANAT TIMISOARA	6	459,401
FORT WAYNE RADIO CLUB	6	780,356	CSTA BUCURESTI	11	6,336,649	CLUB DE RADIO EXPERIMENTADORES DE OCCIDENTE	6	433,192
REDWOOD EMPIRE DX ASSOCIATION	4	772,767	Z37M CONTEST TEAM	7	6,265,599	APIAI DX TEAM	4	412,615
MILFORD OHIO AMATEUR RADIO CLUB	9	678,639	VERENIGING VAN RADIO ZEND AMATEURS	5	5,925,717	VORONEZH RADIO CLUB	5	392,360
SOUTHERN CALIFORNIA DX CLUB	8	553,254	VU CONTEST GROUP	19	5,817,837	VOLYN CONTEST GROUP	9	371,234
LOW COUNTRY CONTEST CLUB	4	503,583	NOVOKUZNETSK RADIO CLUB	16	5,624,329	SK6QA STENUNGSUND ARC	4	319,924
LINCOLN AMATEUR RADIO CLUB	4	325,028	SHAKHAN CONTEST CLUB	9	5,612,913	KKKK CONTEST CLUB KRASNODARSKOGO KRAYA	4	228,193
GREAT SOUTH BAY AMATEUR RADIO CLUB	5	260,094	TALL TREES CONTEST GROUP	5	5,533,183	ARGE BRAUNAU	4	219,303
SOUTH JERSEY RADIO ASSOCIATION	4	224,838	RU-QRP CLUB	28	5,473,466	UKRAINIAN CW CLUB	4	218,234
PASADENA RADIO CLUB	4	177,190	UNIO DE RADIOAFECIONATS DEL VALLES ORIENTAL	4	5,429,480	RADIOAMATOR	5	197,523
BRAZOS VALLEY AMATEUR RADIO CLUB	4	166,457	GIPANIS CONTEST GROUP	12	5,325,023	CSM TIMISOARA	4	148,913
DX			LITHUANIAN CONTEST GROUP	9	5,273,677	HOREC RADIO CLUB	4	128,032
BAVARIAN CONTEST CLUB	335	446,438,376	ARKTIKA	11	4,867,916	UR-QRP-CLUB	7	124,830
RHEIN RUHR DX ASSOCIATION	203	235,374,952	SASKATCHEWAN CONTEST CLUB	11	4,429,879	ARI BARI	4	101,758
CONTEST CLUB ONTARIO	102	206,288,182	TOP OF EUROPE CONTESTERS	10	4,340,477	UNIAO SANTAMARIENSE DE RADIOAMADORES	4	80,451
CONTEST CLUB FINLAND	79	165,095,630	THRACIAN ROSE CLUB	21	4,237,061	DUBNA DX CLUB	4	37,945
CROATIAN CONTEST CLUB	90	136,821,482	ANTWERP CONTEST CLUB	4	4,230,466			
ARAUCARIA DX GROUP	63	120,421,709	FALKOPINGS RADIOCLUB	8	3,642,445			
			SOUTH GERMAN DX GROUP	11	3,355,597			

* Club entry does not meet all rules.

52 paper logs received. We couldn't do the results without the help of Ken K1EA and all of his time and effort to constantly improve the log checking software. John K1AR handles the plaque program and Barry W5GN makes sure the 2064 certificates will get into the mail. Also thanks to the World Wide Radio Operators Foundation (wwrof.org) for their support of the IT infrastructure required to host the website, manage the log robot, and perform the log checking.

Another great CQ WW competition is now in the books. The anticipation and excitement of those early wireless pioneers is still alive at 0000Z each year when the CQ WW hits

the bands. We look forward to seeing everyone again next year for the CQ WW DX CW Contest on November 29–30, 2014. Full rules, records, line scores, and other information is available on the web at www.cqww.com. The expanded results of the 2013 contest are also available on the CQ website at www.cq-amateur-radio.com.

See you in the next contest!

73, Randy, K5ZD

CQ WW Station Scores Online

This year's CQ WW results complete CQ magazine's year-long transition to publishing individual station scores ("line scores") on CQ's website only. To access the line scores go to the CQ home page at www.cq-amateur-radio.com and click on the link under the current issue highlights.—W2VU

Notes

1. The Fourth Time's the Charm, <http://w2pa.net/HRH/the-fourth-times-the-charm/>
2. "President Maxim Testifies at Washington," *QST*, April 1930, p. 29.

A Contest Story—EL2DT

By Bud Semon, N7CW, and Dickson Tarnue, EL2DT



The home and antenna system at EL2DT.



Operating position of Dickson, EL2DT.

When the Voodoo Contest Group left Liberia after the CQ WW DX CW Contest in 2012, we had to get rid of almost 20 years of accumulated equipment that we had been transporting all around West Africa. Much of it went to the Liberian Radio Amateur Association, but we left a complete station—including radio, computer, tower, antennas, coax, etc.—with Dickson, EL2DT. We were also able to provide some financial support that allowed him to finish building a house and move out of the one room he shared with his wife, Kebeh, and their two children.

With much hard work and perseverance, he was able to erect the tower and get a Yagi installed. Since all the electric power infrastructure in Liberia was destroyed in the war, he managed to find a small generator and get on the air, although fuel is very expensive; it's sold by the quart in glass jars.

He spent as much time as possible on the air and practicing with N1MM Logger. As the 2013 CQ WW DX CW Contest drew near, the Voodudes were able to provide a bit more financial support—enough to buy gasoline so the generator could be run for the contest.

Although Dickson was unable to operate the entire contest, he managed a respectable 20.5 hours on the air. The result was 1400 QSOs in 69 zones and 216 countries.

Here is a short write-up in Dickson's own words:

"My participation in this year's CQ WW Contest was a very exciting moment for me ever because this is the very first of its kind that a local Liberian has joined and operated a single station with a single operator in such a worldwide contest.

"When I decided to join this year's contest it appeared almost impossible to me, most especially where my station is located in a very remote part of Monrovia where there is no city power available. I had to operate from a generator and the station on low power, with nowhere to keep the generator secure for night operation, etc.

"It also turned out that the Voodoo Contest Group is expert in helping other hams to be encouraged and confident to take part in a contest like this. When I discussed my plan to some friend Voodoos, they told me that it was a good idea and they would be happy to also make a contact with Liberia in the contest.

"On the 20th of November, I started setting up and testing antennas on various bands. Before early morning of 20th November, I was ready for operation on 40m, 20m, 15m and 10m with generator power. Even though copying stations from the huge pileups was not quite easy for me, I was also experiencing heavy noise from the generator outside, not too far from my operating shack.

"Though I received no visitors during the contest, it was all climaxed by my wife Kebeh, who came in the shack almost after every one hour to ask, 'What have your friends said?' I continue to inform her that I was in a contest. After several hours, she was not satisfied with my answer and could no longer hold back. She insisted that she wanted to listen to the radio. When I gave her the ear piece, she said, 'I am hearing a lot of noise.' I told her that they were calling my call sign. She asked that I should also give her a call sign so my friends can call her. I promised to have a call sign for her before the next year's CQWW Contest. So, my biggest challenge now is to make sure my wife becomes a ham and takes part in the CQWW Contest for next year. I need all of your support.

"I want to take this time to extend my thanks and appreciation to all my friends who gave me the encouragement and support for me to participate in this contest."—EL2DT