

Results of the 2016 CQWW DX SSB Contest

“Worst bands to date!”

BY ROBERT E. NAUMANN*, W5OV

Simply participating in the CQ World Wide DX SSB Contest is a reward unto itself. Being part of this global thicket of RF-enabled verbal communication is and has been an avocation (if not an infatuation) for participants around the world over the last 68 years. For many, it is considered the “premier operating event” and the focus of the entire annual contest calendar. Each year, the CQ World Wide DX SSB contest provides an outlet for energy that was stored since the final second closed on the previous contest. Over those long 12 months, participants were busy planning, purchasing, constructing, testing, and revising their stations, which rivals those activities of many large businesses.

Yet, we all do this for fun! (Yes, most of us do CW, too, but we’ll talk about that next month).

And, fun it was!

While the solar activity was nowhere near the levels that contesters would liked — Solar Flux in the 70s for most of the contest period — the nearly 35,000 participants in the 2016 CQWW DX SSB contest held on last weekend of October combined to make just shy of 3.5 million QSOs on all bands — yes, even on 10 meters. Openings on 10 meters were shorter than in previous years and disturbed conditions impacted the lower bands as well, making for challenging conditions for all entrants — even for multi-decade veterans. As the anonymous quote in the subhead states: “Worst bands to date!” They may have been. In 2015, the flux was around 110 for the contest period, so conditions were indeed worse. Scores were down significantly this year, too.

Score Highlights:

Multi-Multi: Overall, Multi-Multi scores were down, even for repeat entrants. Last year, the World winner Multi-Multi team at CN2AA scored nearly 70 million



The battle station of 9A3CJW is ready for the 2016 edition of CQWW DX SSB contest.



The operators of D4C included (from left to right): DF7ZS, HB9DUR, SQ9UM, IZ4DPV, SQ9D.

* c/o CQ Magazine

points but they entered as Multi-Single this year, and no Multi-Multi entrant this year had a score anywhere close. The experienced team of regular operators at PJ2T submitted the top World Multi-Multi score from Curacao with approximately 27.5 million points. In Europe, 9A1A took top honors while displacing last year's winner, DFØHQ, with a score of 13.6 million. In the U.S., the veteran team at K3LR held onto an early lead and finished with 12.6 million to win this year compared to their 31.6 million points last year. K3LR's North Coast team was pitted against the always-competitive W3LPL and the dogged efforts of a relative newcomer to U.S. Multi-Multi, WE3C.

Multi-Two: The Multi-Two Category continues to become even more popular, and with limited band options at any one time, it has become even more competitive. Two stations may operate on two bands at the same time and behave pretty much as a Multi-Multi by running on two bands and finding elusive multipliers. At the top of this category are two entries from Morocco, and both of them managed to exceed this year's top Multi-Multi entries! CN3A takes the top spot with 31.6 million points, followed by CN2R at a hair under 28.8 million, reversing the order of finish for these two teams from last year. Close behind them in third place at 26.7 million was PJ4X from Zone

2016 CQWW DX SSB TROPHY WINNERS AND DONORS

SINGLE OPERATOR

World
8P5A (Op.: Tom Georgens, W2SC)
 Donor: Southern California DX Club

World – Low Power
P4ØA (Op.: John Bayne, KK9A)
 Donor: Slovenian Contest Club

World – QRP
Doug Zweibel, KR2Q
 Donor: Jeff Steinman, N5TJ

World Assisted
KP3Z (Op.: Felipe Hernandez, NP4Z)
 Donor: Glenn Johnson, WØGJ

World – Assisted Low Power
P4ØW (Op.: John Crovelli, W2GD)
 Donor: Gail Sheehan, K2RED

U.S.A.
Kevin Stockton, N5DX
 Donor: Potomac Valley Radio Club – KC8C Memorial

U.S.A. – Low Power
Julio Henriquez, AD4Z
 Donor: North Coast Contesters

U.S.A. – QRP
Bill Parker, W6QU*
 Donor: Pat Collins, N8VW

U.S.A. – Assisted
George Fremin, III, K5TR
 Donor: John Rodgers, WE3C

U.S.A. – Assisted Low Power
Ken Low, KE3X
 Donor: LA9Z/LN9Z Leia Contest Club

U.S.A. Zone 4
Steve London, N2IC/5
 Donor: Kansas City DX Club

Europe
Emir Braco Memic, E7DX
 Donor: Potomac Valley R.C. – W4BVV Memorial

Europe – Low Power
Tonno Vahk, ES5TV
 Donor: Tim Duffy, K3LR

Europe – QRP
Gerard Gendron, F5BEG
 Donor: Steve "Sid" Caesar, NH7C

Europe – Assisted
Imanol Antonanzas, EC2DX
 Donor: Martin Huml, OL5Y

Europe – Assisted Low Power
Sergei Fesenko, UZ3A
 Donor: Alex Goncharov, R3ZZ

Africa
EF8U (Op.: Dan Craig, N6MJ)
 Donor: Chris Terkla, N1XS

Asia
UPØL (Op.: Vladimir Vinichenko, UN9LW)
 Donor: Nodir Tursun-Zade, EY8MM

Caribbean/Central America – High Power
YN5Z (Op.: Scott Tuthill, K7ZO)
 Donor: John Rodgers, WE3C

Caribbean/Central America – Low Power
V3A (Op.: Marc, V31MA)
 Donor: Albert Crespo, NH7A

Oceania
KH6LC (Op.: Jeff Kinzli, N6GQ)
 Donor: Barbara Yasson, AC7UH

South America
YW4D (Op.: Paolo Stradiotto, YV1DIG)
 Donor: Yankee Clipper Contest Club

Canada
Jeff Briggs, VY2ZM
 Donor: Contest Club Ontario – VE3WT Memorial

Russia
Andy Kazantsev, UB7K
 Donor: Roman Thomas, R5AA

Japan – High Power
Masaki Masa Okano, JH4UYB
 Donor: Rush Drake, W7RM, Memorial

Japan – Low Power
Nob Watanabe, JH1EAQ
 Donor: Western Washington DX Club

Southern Cone (CE CX LU) – Assisted
CE3CT (Op.: Roberto Ramirez, CE2MVF)
 Donor: LU Contest Group

Indonesia
Yana Koryana, YB1AR
 Donor: Karsono Suyanto, YBØNDT

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)
XW11C (Op.: Champ Muangamphun, E21EIC)
 Donor: YB Land DX Club

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) – Low Power
Ralph Browne, HSØZHC
 Donor: Bob Kups, N6BK

SINGLE OPERATOR, SINGLE BAND

World – 28 MHz
Cesar Ramirez, YV6CR
 Donor: Joel Chalmers, KG6DX

World – 21 MHz
ZX5J (Op.: Sergio Lima De Almeida, PP5JR)
 Donor: Robert Naumann, W5OV

World – 14 MHz
Christopher Ellis, 9Y4D
 Donor: North Jersey DX Assn. – K2HLB Memorial

World – 7 MHz
Jorge Taboada Pareja, EA9LZ
 Donor: Fred Laun, K3ZO – K7ZZ Memorial

World – 3.7 MHz
Michael Schwab, OE6Z
 Donor: Fred Capossela, K6SSS

World – 1.8 MHz
Algirdas Uzdonas, LY7M
 Donor: OL7M Contest Group, QRO.cz, RemoteQTH.com

U.S.A. – 28 MHz
Jay Camac, N4OX
 Donor: John Rodgers, WE3C

U.S.A. – 21 MHz
Peter Bizlewicz, KU2M
 Donor: 11PM Dayton Pizza Gang

U.S.A. – 14 MHz
David Siddall, K3ZJ/8
 Donor: Yankee Clipper Contest Club – KC1F Memorial

U.S.A. – 7 MHz
Dan Handa, W7WA
 Donor: World Wide Radio Operators Foundation

U.S.A. – 3.7 MHz
Steve Sussman, W3BGN
 Donor: John Rodgers, WE3C

U.S.A. – 1.8 MHz
Stephen Werner, AG4W
 Donor: South Texas DX & Contest Club (STDXCC)

Caribbean/Central America (14 MHz)
Gil Joachim, FM5FJ
 Donor: Nate Moreschi, N4YDU

Oceania (14 MHz)
Kemi Manurip, YB8TK
 Donor: Bruce D. Lee, KD6WW

Asia (14 MHz)
Kenji Sharyo, JI3BFC
 Donor: Dallas/Fort. Worth Contest Group W5PG Memorial

Europe – 28 MHz
Danjel Voncina, S58D
 Donor: John Rodgers, WE3C

Europe – 21 MHz
Antonio Rui Sousa Santos, CR6T
 Donor: Tine Brajnik, S5ØA

Europe – 14 MHz
CR5C (Op.: Pavel Plihoda, OK4PA)
 Donor: Charles Wooten, NF4A

Europe – 7 MHz
Stanislav Kostal, OK7W
 Donor: Central Texas DX and Contest Club – NT5C Memorial

Europe – 3.7 MHz
Dusan Ceha, YT8A*
 Donor: Ted Demopoulos, KT1V

Europe – 1.8 MHz
Ljubo Pintar, S53Ø*
 Donor: Robert Kasca, S53R

MULTI-OPERATOR, SINGLE TRANSMITTER

World
CN2R (Ops.: RA3CO, RA9USU, RL3FT, RN2FA, RN5M, RW7K, RX3APM, UA3ASZ, UA4Z, VE3LA)
 Donor: So. Calif. DX Club – W6AM Memorial

World – Low Power
FY5KE (Ops.: FY5FY, F1HAR, F5HRY, F5UII, F6FVY)
 Donor: Rex Turvin, NR6M

U.S.A.
K1LZ (Ops.: K1LZ, N1RR, K2SSS, 9A5K, 6Y5GC, K3JO, K6ND)
 Donor: Carolina DX Association – Ted Goldthorpe, W4VHF & Ken Boyd, K4DXA Memorial

Canada
VE3EJ (Ops.: K9VV, VE3EJ, VE3EK, VE3MM)
 Donor: John Sluymmer, VE3EJ – Paul Hudson, VE3TA Memorial

Caribbean/Central America
V47T (Ops.: K1DG, K1TO, N2NT)
 Donor: Bob Raymond, WA1Z

Africa
EF8R (Ops.: EA8RM, OH1RY, OH2BYS, R2AA, RA5A, RA6LBS, RC5A, RN5SCT, RU3UR, RU5A, UA3DJX, UA4WW, UA5C)*
 Donor: World Wide Radio Operators Foundation (WWROF)

Asia
P33W (Ops.: 5B4AIE, LZ2HM, R3DCX, R4FO, RW4WR, UA4FER, RA3AUU)
 Donor: Edward L. Campbell, NX7TT – AA6BB and KA6V Memorial

Japan
JR5YCE (Ops.: JM1UWB, JJ5GMJ, JH5RXS)
 Donor: Arizona Outlaws Contest Club

Europe
9A1P (Ops.: 9A1UN, 9A2NA, 9A2RD, 9A3LG, 9A5CW, 9A6XX, 9A7DX, 9A8MM, S55M)
 Donor: Gail Sheehan, K2RED

Europe – Low Power
ED3V (Ops.: F4BKV, F4FET)
 Donor: EA Contest Club

Oceania
KH7CW (Ops.: JE1FQV, JA1NRH, AH7C, K2WR, JH1ECG, JFØJYR)
 Donor: Junichi Tanaka, JH4RHF

South America
P4ØL (Ops.: W6LD, K5ZD, KM3T)
 Donor: Victor Burns, K16IM – The Cuba Libra Contest Club

9, operating on Bonaire, the “B” of the so-called “ABC” Islands.

Multi-Single: Again, the competition in this category is far more intense than any other category. The frenetic pace at each of these entries throughout the contest period is mind-boggling. They have multiple interlocked radios on the run band, plus other radios for efficiently hunting multipliers on other bands, and all of this choreographed by directors

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)

– Low Power

V84O (Ops.: V85TL, V85ZX, V85AN, V85SAB, V85ACR, V85ACU, V85ACY, V85ACS, V85SBO, V85EX, V85PS, V89QA, V89AAF)

Donor: Bob Kupps, N6BK

MULTI-OPERATOR, TWO TRANSMITTERS

World

CN3A (Ops: IK2QEI, IK2SGC, IK2LFF, IZ2DLV, IZ1LBG, IW1ARB, CN8WW)

Donor: Array Solutions

U.S.A.

KC1XX (Ops: KC1XX, DL1QQ, DL4NAC, K1CC, W1FV, WA1Z)

Donor: Kimo Chun, KH7U & Mike Gibson, KH6ND
Dan Robbins, KL7Y Memorial

Europe

9A7A (Ops: 9A5M, 9A7V, 9A5X, 9A3OS, 9A3TR, 9A6NA)

Donor: Aki Nagi, JA5DQH

Japan

JE1ZWT (Ops: JA7FYF, JF1VVR, JA1MML)

Donor: Coconut Wireless Contest Club

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)

YB1C (Ops.: YB1ACN, YB1HR, YB1KIZ, YB1LZ, YB1PEF, YC1DDH, YD1BJJ)

Donor: Champ C. Muangamphun E21EIC – Siam DX Group

MULTI-OPERATOR, MULTI-TRANSMITTER

World

PJ2T (Ops: DK3DM, DL8OBQ, K2GA, K8PGJ, PA1CC, N4RV, NM2O, VE3CX, W5SCG, W3ACO)

Donor: Dave Leeson, W6NL & Barb Leeson, K6BL

U.S.A.

K3LR (Ops: K3LR, N2NC, N5UM, K3LA, W2RQ, W5OV, N3SD, K1AR, M5SDXR, K3UA, AA5B, N3GJ, LU7DW)

Donor: Jim Lawson, W2PV Memorial

Europe

9A1A (Ops: 9A5W, 9A6A, 9A7R, 9A9A, 9A7MIM, 9A7CDZ, 9A2EU, 9A7DR, 9A8A, N6AA, N6VI, W6XD, OE3FTA, OE3VVU)

Donor: Finnish Amateur Radio League

Oceania

KH6J (Ops: KH6U, KH7U, WH7W, WH6R, AH6NF, JA1DXA, JH1ROJ, W0CN, W7NX, KH6XL, KH6WG)

Donor: Tack Kumagai, JE1CKA –
JR2GMC and JA9SSY Memorial

OVERLAY CATEGORIES

World – Classic

ZD8W (Op.: Oliver Sweningsen, W6NW)

Donor: John Rodgers, WE3C

U.S.A. – Classic

Larry Crim, K4AB

Donor: Tom Horton, K5IID

Europe – Classic

Arvo Pihl, ES2MC

Donor: Steve Cole, GW4BLE Memorial

World – Rookie

K1VR (Op.: Marty Sullaway, KC1CWF)

Donor: Tim Duffy, K3LR - N8SM Memorial

U.S.A. – Rookie

Matt Lovewell, W0MLD

Donor: Tim Duffy, K3LR - K3TUP Memorial

CONTEST EXPEDITIONS

World Single Operator

TK9R (Op: IK8UND)

Donor: National Capitol DX Association - Stuart Meyer,
W2GHK Memorial

World Multi-Op

A73A (Ops: A71AM, A71BI, A71BX, A71CV, A71EM, A71FJ, A71GO, A71TA, A75GE, A75GM, A75GT, E76AA, E78AA, LY4L, LY9A, OZ1AA, OZ1ADL, OZ7AM)

Donor: Gail Sheehan, K2RED

*Second place

Operators on these DXpeditions selected **radiosport** headsets for their *reliability, comfort and performance.*

NH8S
3DAOET
FT5ZM
7QAA
TX3X
VK9WA
VP8STI
VP8SGI
K5P
A35T
VKOEK
CY9C



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A group shot of the team that staffed ET3AA.



The impressive antenna farm at contest station M6T.

2016 CQWW DX SSB TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER All Band 8P5A (W2SC)14,178,230 EF8U (N6MJ)13,834,458 ZD8W (W6NV)9,964,112 YW4D (YV1DIG)7,967,820 E7DX (E77DX)7,376,655 CW5W (CX6VM)6,566,536 KH6LC (NGGQ)6,433,182 VY2ZM (K1ZM)6,235,639 XL3A (VE3AT)4,842,654 TK9R (IK8UND)4,779,975 YV6CR238,760 CX4DX112,252 LU9FHF104,843 21 MHz ZX5J (PP5JR)2,116,252 PX2B (PY2LED)1,691,928 HK1X1,544,688 14 MHz 9Y4D1,593,549 CR5C (OK4PA)1,138,016 OH8X (OH6UM)892,675 7 MHz EA9LZ1,802,047 T15W (N3KS)1,281,540 ED8X (RA1A)1,158,072 3.7 MHz OE6Z (OE6MBG)398,396 XE2X212,000 YT8A (YU1EA)187,782 1.8 MHz LY7M81,686 S53079,120 EU4A73,796 LOW POWER All Band P40A (KK9A)2,621,740 ES5TV2,075,466 YT6W1,876,868 5H3EE1,855,350 V3A (V31MA)1,457,094 AD4Z1,310,496 K3CR (LZ4AX)1,296,735 OR2F (ON8LDS)1,137,565 K6XX1,097,028 N5AW1,053,489 28 MHz PU2PSP118,998 PU2WDX86,845 LU3HIP73,296 21 MHz PY2UD692,033		YV2CAR526,143 HZ1DG367,488 14 MHz EC7WA372,834 TG9ANF273,230 W2AW (N2GM)147,862 7 MHz YV4YC149,768 YC6BDD63,232 EA8BPX60,442 3.7 MHz E77CV44,019 PA2TMS40,986 LY5I31,968 1.8 MHz SQ9IAU29,058 EW8R18,003 NP2J (K8RF)16,680 QRP All Band KR2Q589,998 F5BEG435,348 OH5BM250,131 JH1OGC195,328 JR4DAH159,885 G4CWH155,208 W6QU (W8QZA)121,362 SY1AQQ101,205 K8ZT98,700 NZ4DX80,522 28 MHz I5KAP19,468 WA6FGV8,151 PU2TRX4,026 21 MHz CT1BXT79,929 7N4WPY24,120 JR2EKD15,317 14 MHz I4PZP27,692 S03MZM23,433 MI1M (MI0LLG)19,584 7 MHz LY2NK12,096 IZ1DGG10,388 UT5AX10,320 S53NW10,266 3.7 MHz 9A9J (9A7ZZ)12,824 E77ZZ4,141 S08MFB3,003 1.8 MHz S51V12,369 EU1AA5,250 S59GS1,080		ASSISTED HIGH POWER All Band KP3Z (NP4Z)7,826,868 EC2DX6,897,210 TM6M (F4DXW)6,865,320 CE3CT (CE2MVF)6,358,704 ZZ2T (PY2MNL)5,628,600 S57AL4,859,095 4O3A (9A3A/E73A)4,680,630 IW2HAJ4,668,003 K5TR3,133,941 EU1A2,994,752 28 MHz CV7S (CX7SS)578,228 EA6LP136,510 DL5L (DG0OKW)98,610 21 MHz 4X6TT1,515,057 4X2M (4X4DZ)929,040 XE1KK886,512 14 MHz HK1T2,080,144 TM4L (F8ARK)957,696 EA9KB925,414 7 MHz OK7K (OK1BN)624,876 YT9X (YU1JZ)547,432 HK1AC519,345 3.7 MHz S57AW482,530 9A8M (9A7DM)358,803 OL0M (OK1CDJ)287,020 1.8 MHz PB8DX (PI4COM)55,772 DM7C (DL7CX)50,589 OK1T42,984 ASSISTED LOW POWER All Band P40W (W2GD)5,426,820 KP4KE (DK8ZB)3,976,531 HI3TEJ3,866,932 VP9/N3AD2,300,320 UZ3A (UX1AA)1,910,805 KE3X (N3HBX)1,799,148 LY7Z1,409,252 PR9M (PY9MM)1,292,580 ED1S (EA1IQM)1,058,250 CT1BWU1,018,096 28 MHz LT7F (LU6FOV)215,698 EA9RY157,183 PY2HP112,094 21 MHz YV1YLY1,379,469		8P9EH612,608 YV6YV413,160 14 MHz UK9AA548,911 S52OT393,001 E74A324,786 7 MHz OL9R (OK6RA)170,847 HG0R (HA0NAR)162,708 PJ4Q12,395,562 PW2D11,778,280 ED8W11,375,436 3.7 MHz OK6T (OK1WCF)138,128 OM6TX22,774 LY2OU19,920 1.8 MHz YV1KK27,664 9A1IW18,231 GI4T (MI0SMK)10,608 ASSISTED QRP All Band HR2DMR439,704 OK2FD370,180 IZ3NVR308,560 ON6NL245,960 EA8/DK50N176,754 RT4W121,747 IK1ZOF120,716 OZ6OM96,078 UN8PT79,728 AB3WS68,572 28 MHz LW5DW9,154 R7NA8,526 JH9KVF7,749 21 MHz BA7CK27,140 J43N22,032 YC2TAN13,509 14 MHz E74Y78,731 CX4AD56,762 CT1GVN47,081 7 MHz S51DX61,479 3.7 MHz SP5ES6,075 K3TW43,774 G8C (M0WLY)3,420 1.8 MHz HA5NB5,504 RD3K4,653 YP8A1,739		MULTI-OP SINGLE TRANSMITTER High Power CN2AA26,568,240 EF8R25,658,760 CR3A22,789,556 P33W19,510,245 P40L19,001,840 PZ5K17,365,500 V47T15,755,568 PJ4Q12,395,562 PW2D11,778,280 ED8W11,375,436 Low Power FY5KE14,547,000 D4C14,348,654 WP3C5,894,136 VP5S4,156,668 ED3V3,429,948 PT4T2,682,326 TM7X2,526,912 EA8URT2,295,552 IQ3RK2,047,820 DX2R1,424,736 MULTI-OP TWO TRANSMITTER CN3A31,388,400 CN2R28,638,667 PJ4X26,760,448 C4A15,603,280 6W1RY12,868,056 ZV509,910,948 9A7A9,860,363 KC1XX8,623,986 HI3K8,371,440 HG7T8,344,791 MULTI-OP MULTI-TRANSMITTER PJ2T27,506,145 A73A17,084,529 PS2T16,445,430 KP2M14,972,227 9A1A13,559,623 UP2L13,371,750 K3LR12,657,781 KH6J12,550,765 LZ9W12,080,034 YT5A11,797,704 ROOKIE High Power K1VR (KC1CWF)1,312,305 HZ1HZ1,271,995 TK4RB463,736 EA7JX404,115 W0MLD399,280 DK6MP359,450 YT5IVN328,812 FR4QT291,082 KG5CIK280,884 RM30228,228 ROOKIE Low Power YV1YLY1,379,469 ED1S (EA1IQM)1,058,250 EA5JG364,374 S07BIT311,640 IB9P298,848 YV5EMG236,599 KG7GYI226,403 KD2JOE138,475 IU3FCR134,820 IU4FNO134,096 CLASSIC High Power ZD8W (W6NV)4,757,049 H2T (5B4XF)2,864,985 EA8DE0 (OH2BP)1,887,327 KP2XX1,667,007 VE2IM (VE3DZ)1,532,466 K4AB1,198,848 KD2RD1,129,284 ES2MC966,000 AA1K/3947,086 LY9Y802,683 CLASSIC Low Power P40A (KK9A)2,621,740 V3A (V31MA)1,285,820 EW2A962,724 N8II747,156 OE2E (OE2GEN)505,505 GW4BLE450,468 SQ6H (SQ6PLH)406,560 US0ZH401,266 JH4UTP315,256 UNITED STATES SINGLE OPERATOR HIGH POWER All Band N5DX3,635,754 N1UR3,253,171 N2IC/52,304,442 W9RE2,186,910 AA1K/31,896,733 NR3X/4 (N4YDU)1,541,568 K0EJ/41,349,712 K3ZO1,334,080 K5WA1,317,235 K4AB1,198,848 28 MHz N4OX43,807 W4SLT23,140 21 MHz KU2M230,781 W6AFA136,800 K2YY/6119,250 14 MHz K3ZJ/8181,662	
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Operators at M6T included (from left to right): G4BUO, M0NKR, M0TGV, G4ADM, 2E0SDV, M0MDR, PT2FM, and G0VJG.

N5CR/7106,981
NUGS106,353

7 MHz

W7WA268,281
N5FO162,624
W6YX (N7MH)128,610

3.7 MHz

W3BGN67,706
W5PR38,376
K8MFO33,702

1.8 MHz

AG4W4,514
W2VO3,744

**LOW POWER
All Band**

AD4Z1,310,496
K3CR (LZ4AX)1,296,735
K6XX1,097,028
N5AW1,053,489
N4TZ/9767,880
NA8V758,149
N8II756,756
N1PGA715,182
K2PO/7543,848
N7IR393,119

28 MHz

K4XL16,796
KD9GKL8,464
KM4SJS4,879

21 MHz

K8OZ/548,111
K0BBB37,367
W7UPF26,740

14 MHz

W2AW (N2GM)147,862
N4IJ/581,190
K7KU (K0KR)73,224

7 MHz

K5RX47,523
NA2R9,845

**QRP
All Band**

KR2Q589,998
W6QU (W8OZA)121,362
K8ZT98,700
N24DX80,522
W1TW43,810
WB2R (W2MFT)31,392
KS4X15,280
N1TM13,875
WM4P11,109
WB6CZG10,117

28 MHz

WA6FGV8,151

21 MHz

W09S3,116

KA8SMA2,923

**ASSISTED
HIGH POWER
All Band**

K5TR3,133,941
N3RS2,556,075
K3ZU2,344,548
AA3B2,099,088
N2MM1,996,728
K3WW1,956,619
W3LL1,930,940
K0KX1,571,802
AB3CX/21,536,830
K3SW1,521,490

28 MHz

N6SS/767,221
K4WI33,060
W4QN18,848

21 MHz

K5ZO165,312
NA60113,190
K2UR/978,334

14 MHz

KV0Q233,700
N7DD178,200
WR2G164,096

7 MHz

K3EST/6312,816
WA3C/847,008
WJ2D/435,088

3.7 MHz

W3NO72,653
AB4B64,448
K3PA/029,241

**ASSISTED
LOW POWER
All Band**

KE3X (N3HBX)1,799,148
KS1J798,312
N4XL736,758
N2SOW601,344
W3KB424,413
N1CC/5371,434
WA3RHW/2292,056
NK3Y288,610
NY6DX/2253,341
KC5FP248,472

28 MHz

KE0ERT1,449
KD6WKY1,032
K9MCK1,008

21 MHz

K5KJ86,520
N6DZR32,802
WA5WFE26,568

W4LC45,501
W1NK9,821
KN5S (K5WW)4,500

7 MHz

KK7AC11,340
KB3LIX10,476
KT8D5,580

3.7 MHz

WB8BZK/94,756
KB4KBS1,922

**ASSISTED
QRP
All Band**

AB3WS68,572
W4NL61,500

14 MHz

N9NBC5,700
WB40MM4,459
K9WIS3,397

3.7 MHz

K3TW/43,774

**MULTI-OP
SINGLE TRANSMITTER
High Power**

K1LZ5,507,580
W1NA3,997,658
WW4LL2,885,000
NV9L2,520,000
N1MM2,420,426
K8AZ2,162,014
AA9A1,793,673
W3MF1,560,408
W0RIC/71,548,438
K9ES/41,373,592

Low Power

W3ZGD441,264
WA1F/4345,127
K3RCC222,135
W8AJT133,455
KD7RCJ71,760
K4ELI69,595
W6NJB/547,888
N8YXR47,302
K5LRW36,018
W4YK31,059

**MULTI-OP
TWO TRANSMITTER**

KC1XX8,623,986
K9CT2,914,408
N7AT2,021,800
KA1ZD1,808,391
W2CG1,761,417
N4SVC1,285,148
WA3EKL1,262,170
N5YA1,031,184
K7ZS985,272
WB2P943,845

**MULTI-OP
MULTI-TRANSMITTER**

K3LR12,657,781
W1NK9,571,194
W3PL8,693,643
WK1Q4,299,804
K1K13,579,834
W4RM3,174,900
WX3B2,869,347
W4AAW2,449,668
W0AIH/92,212,896
NA2U2,084,064

**ROOKIE
High Power**

K1VR (KC1CWF)1,312,305
W0MLD399,280
KG5CIK280,884
WX4SKY129,532
AI6LY104,650
KD9BVD76,788
N4EFS41,730
KA3YJM36,540
AI6EG24,700
AI6DO24,543

Low Power

KG7GYI226,403
KD2JOE138,475
N4LAG122,570
KM4SII117,820
KC1CNA111,755
K4WLG91,956
AB3WS68,572
KG7MXL44,704
K4YOW42,721
N3GAR41,363

**CLASSIC
High Power**

K4AB1,198,848
KD2RD1,129,284
AA1K/3947,086
K0EJ/4759,064
K3CCR (N3UM)483,813
W4KW470,400
W1WEF440,327
K1LU385,384
K4BAI321,480
W2LU301,176

Low Power

N8II747,156
KT4ZB296,835
N8GLS211,130
K8AJS200,124
KC4TEO179,985
N2BEG178,176
WD9CIR163,200
WB4JFS146,730
K4SXT143,910
N7ZG143,877

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Bob@ExpertLinears.com

2016 CQWW DX SSB 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
8P5A	169/14/30	777/24/79	2128/31/116	1993/30/108	2381/28/104	1680/25/82
EF8U	68/8/26	498/19/69	1802/26/96	1254/30/115	2290/30/117	1420/22/95
ZD8W	46/12/24	131/18/47	347/22/72	1196/33/115	1974/31/128	1826/25/105
YW4D	106/13/28	382/25/79	836/27/88	1144/30/100	1415/30/113	698/25/64
E7DX	182/7/55	1004/27/97	1360/32/116	2194/33/126	1060/33/114	445/18/83

WORLD SINGLE OPERATOR ASSISTED ALL BAND

KP3Z	82/8/19	395/21/72	1397/27/103	1381/26/94	1615/28/108	928/24/79
EC2DX	69/7/48	489/20/94	1097/34/117	1591/35/124	1527/33/129	320/21/83
TM6M	263/10/48	638/20/79	918/27/104	1825/28/105	1300/26/112	271/22/79
CE3CT	16/6/8	172/19/47	660/29/90	1001/30/82	1506/25/94	1024/22/76
ZZ2T	3/2/3	24/9/22	465/26/83	642/30/95	1382/31/119	1180/24/87

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

CN2AA	210/18/75	1207/30/111	2497/38/140	3308/39/156	1956/34/141	813/27/121
EF8R	103/14/63	741/29/103	2141/34/128	2067/36/140	3398/36/156	1827/29/120
CR3A	321/15/70	807/28/103	1556/32/119	2170/37/143	3084/34/138	1178/27/116
P33W	294/9/66	717/20/89	1667/36/137	3064/38/152	1953/35/153	381/22/98
P40L	118/14/31	782/25/89	1907/30/111	2180/33/116	2537/30/128	1674/23/85

WORLD MULTI-OPERATOR TWO TRANSMITTER

CN3A	280/13/66	1100/28/100	2641/37/136	2650/39/143	3564/34/155	1993/27/122
CN2R	232/9/53	1763/33/117	2169/34/131	2629/38/141	2752/33/142	1823/26/124
PJ4X	158/12/26	1037/24/87	2540/31/116	1851/35/134	4066/32/127	2796/27/97
C4A	110/8/50	505/14/73	1364/30/118	2364/37/141	2527/36/150	420/24/89
6W1RY	1/1/1	284/16/55	975/29/99	2508/34/123	2062/27/109	1330/26/106

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

PJ2T	336/14/35	1243/25/84	2459/28/107	2915/34/135	3723/31/126	2433/27/99
A73A	167/9/45	546/20/76	2097/35/131	2353/36/141	2443/32/150	760/26/100
PS2T	9/7/8	91/17/43	1290/33/122	1937/36/136	3476/34/150	1620/27/98
KP2M	158/12/27	1216/24/79	1552/30/104	2641/31/102	3403/28/111	1554/26/73
9A1A	1021/13/72	1793/24/107	2732/33/133	2860/39/147	1831/36/142	614/18/83

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
N5DX	113/14/50	181/20/70	447/29/89	1004/29/110	368/23/83	234/17/48
N1UR	49/9/27	191/20/61	314/25/79	1278/28/117	456/22/82	139/16/41
N2IC/5	28/10/17	152/20/52	545/28/70	398/31/84	577/28/78	168/19/45
W9RE	51/10/24	149/21/58	275/25/76	913/31/101	336/22/73	148/16/38
AA1K/3	67/10/34	134/18/59	152/21/59	727/31/102	278/23/76	140/14/44

USA SINGLE OPERATOR ASSISTED ALL BAND

K5TR	35/12/23	121/23/56	741/32/109	598/31/109	935/30/106	238/21/55
N3RS	38/10/24	174/23/69	222/28/83	536/31/118	409/27/98	244/21/59
K3ZU	43/11/20	233/22/76	276/23/77	540/31/115	341/26/90	183/18/55
AA3B	42/8/24	122/18/57	170/25/67	477/30/101	469/24/94	272/17/51
N2MM	47/8/18	123/21/62	230/26/83	519/28/108	301/26/89	219/18/54

USA MULTI-OPERATOR SINGLE TRANSMITTER

K1LZ	49/11/42	340/24/94	390/30/103	1498/33/130	692/27/114	186/21/61
W1NA	25/9/22	244/21/76	488/26/90	1453/29/118	495/24/96	65/14/41
WW4LL	26/9/17	208/21/71	642/28/95	723/31/115	498/26/99	116/18/47
NV9L	55/11/26	132/21/66	400/29/89	841/34/124	290/26/82	146/18/50
N1MM	33/7/21	170/21/70	217/24/80	754/30/112	395/26/94	103/17/52

USA MULTI-OPERATOR TWO TRANSMITTER

KC1XX	67/13/35	509/25/97	992/28/115	2107/33/139	961/27/114	224/21/60
K9CT	65/11/21	177/21/59	645/29/90	812/32/114	501/28/90	268/19/54
N7AT	12/5/5	265/24/44	695/29/72	523/29/75	661/29/74	142/16/38
KA1ZD	31/9/18	95/15/47	222/23/82	410/27/109	336/26/91	189/19/55
W2CG	24/7/17	98/19/54	215/25/74	445/29/105	358/26/88	211/17/52

USA MULTI-OPERATOR MULTI-TRANSMITTER

K3LR	501/20/53	593/30/98	1529/36/132	2475/40/155	1181/29/129	530/24/71
WE3C	279/18/50	662/27/102	1090/33/121	1928/34/141	1067/30/126	492/23/66
W3PL	335/13/46	578/26/97	1139/34/117	1580/36/137	909/29/124	587/23/67
WK1Q	57/8/29	268/25/86	459/27/86	1082/34/130	684/25/98	328/19/54
K1KI	75/12/36	175/22/74	318/28/92	1107/32/128	350/26/94	205/18/55

VE2IDX is setting up his Beverage antenna. →



VE2IDX operating his rig from Zone 2. ↓



UA4S (UA4HTT) is all thumbs up for the 2016 CQWW DX SSB contest.

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
E7DX	182/7/55	1004/27/97	1360/32/116	2194/33/126	1060/33/114	445/18/83
TK9R	291/8/51	581/13/73	674/24/95	2255/26/97	1254/23/89	242/15/61
UB7K	247/9/52	684/22/84	915/29/97	1884/33/106	716/28/93	418/16/67
EF2A	96/6/32	401/13/59	760/23/88	1381/23/86	1325/24/93	295/20/61
I02X	161/6/40	451/14/62	818/27/102	1499/32/99	768/32/99	161/19/60

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

EC2DX	69/7/48	489/20/94	1097/34/117	1591/35/124	1527/33/129	320/21/83
TM6M	263/10/48	638/20/79	918/27/104	1825/28/105	1300/26/112	271/22/79
S57AL	129/8/48	736/22/92	875/31/111	1755/36/133	595/35/126	93/14/57
403A	192/8/49	483/20/75	1048/32/113	1839/32/107	912/29/102	350/17/71
IW2HAJ	121/7/50	525/19/88	668/28/108	1398/35/132	761/35/139	257/19/87

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

9A1P	290/12/71	877/28/105	1518/37/133	2399/37/149	1622/35/146	359/20/98
OM8A	270/16/69	1063/30/112	1373/35/139	2381/38/151	1109/35/144	369/21/101
ED7O	79/12/58	714/27/98	1225/34/124	1434/38/140	1927/34/138	646/25/112
IR4M	109/10/64	764/24/103	1612/36/131	2615/39/148	776/36/142	83/19/83
OM7M	258/12/66	850/29/106	1614/37/140	2268/37/152	847/34/149	87/19/87

EUROPE MULTI-OPERATOR TWO TRANSMITTER

9A7A	214/9/62	1191/24/96	1718/36/128	2435/37/141	1726/35/147	333/20/88
HG7T	361/13/63	1186/27/105	1817/34/134	2085/37/145	1217/33/141	281/18/69
IK2YCW	236/8/54	861/20/89	1395/34/122	1637/35/128	756/32/123	156/16/47
I12S	233/6/52	742/15/75	1280/30/111	2037/34/127	581/33/117	102/15/54
DL1A	82/6/50	974/20/94	1290/33/120	1481/38/137	668/32/128	167/17/69

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

9A1A	1021/13/72	1793/24/107	2372/33/133	2860/39/147	1831/36/142	614/18/83
LZ9W	651/12/68	1682/29/115	2371/34/131	3044/37/136	1790/34/145	728/19/86
YT5A	784/13/68	1543/26/98	2240/35/130	2923/38/153	1554/34/138	689/22/94
DF0HQ	1031/10/64	1578/26/97	2569/35/136	2065/37/155	1041/32/138	577/18/87
M6T	962/14/72	1234/23/98	2280/35/133	1702/35/125	948/26/117	486/17/73

who understand how to be most effective and remain within the strict rules for this category. Truly amazing efforts all around.

World Multi-Single: Staying in Morocco again, the World High Multi-Single score of 26.75 million by CN2AA could also be the second place score in the Multi-Multi category this year. Just behind CN2AA in second place is EF8R at 25.7 million. Rounding out the top five are CR3A at 22.8 million and P33W and P4ØL, both above 19 million points.

Single-Operator, Assisted: Felipe, NP4Z, piloted KP3Z to the top spot in Single Operator Assisted at 7.8 million points. Second and third place was hotly contested with EC2DX at 6.885 million, edging out TM6M, which was operated by F4DXW, at 6.87 million.

Single-Operator World: Tom, W2SC, who operated 8P5A, repeated his feat from 2015 as the top single operator in the world, but with a 20% lower score than 2015, with about 14.2 million points. Tom has engineered and works endlessly to maintain a very efficient station in Barbados, which includes many of his own clever solutions. Clearly, they are effective. Tom was closely followed by Dan, N6MJ, who operated from EF8U with about 13.8 million points. Rounding out the top three is Oliver, W6NV, who operated from ZD8W. Curious that all three top Single Operators reside in California (but didn't operate from there! - ed.).

Cheating

One of the most difficult parts of contest adjudication is analyzing the submitted logs for possible cheating. While the task is enormous, the ability to collect real-time data from around

the globe to analyze has made more detection of cheating possible. "Possible" does not connote being "easy." A lot of hours are invested by volunteers on several continents to assure that the contest results reflect the accurate results of the efforts of honest entrants. The two most common forms of cheating this year were claiming to be unassisted when you actually had assistance, and self-spotting.

Assisted Cheating: Despite the exponential increases in disqualifications over the last few years, there are still those who try to get away with claiming that they are not assisted. The reasons one may cheat are varied and are indeed a mystery to many who love this game. What good does it do for you to cheat? What reward do you think you'll earn? Please consider that you achieve nothing by cheating, and given the preponderance of data, it is likely you'll be caught, and therefore be disqualified. No one on the CQWW committee takes pleasure in seeing an entrant being disqualified.

Self-Spotting Cheating: The CQWW rules clearly state:

"IX. GENERAL RULES FOR ALL ENTRANTS:

Self-spotting or asking to be spotted is not permitted."

This seems pretty clear. Yet, this phenomenon seems to be growing as an issue. This year, we have warned and disqualified more entrants for this violation than ever before. Please stop self-spotting.

Log Analysis: The CQWW Committee analyzes all of the submitted entries using sophisticated data analysis programs and the results are verified, reviewed, tested, and revised. This iterative process is followed until the results are as true as possible. Often, log submission errors in formatting are detected, and either a revised log is requested from the entrant, or volunteers edit and correct the formatting errors without involving the entrant. Submitted QSOs are cross-checked with other submitted logs, final scores are calculated and the final results are produced.

Online Certificates

In the past, through substantial personal efforts and contributions by individuals (primarily W5GN), paper certificates were mailed to those who earned scores worthy of a certificate. The cost of producing and mailing these certificates is no longer sustainable. Instead, all certificate winners may download their own certificates as a PDF file from the cqww.com website. It is easy to use this file to print your own certificate should you desire to do so. For multi-ops, this is a great convenience as each of your team members can print their own certificate.

CQWW Contest Committee

The all-volunteer CQWW Contest Committee does a tremendous amount of work. Thanks to the WWROF (World Wide Radio Operators Foundation) the CQWW Contest analysis efforts run on a modern, efficient computing platform that is also maintained by volunteers. A hearty "thank you" to all involved!

A special recognition goes to Randy, K5ZD. Even though he has stepped down as CQWW Director, Randy is very far from out of the picture. He has been fantastic at easing the CQWW leadership management team into their new roles. He always seems to be there when needed, even with zero notice. He is tireless, supportive, nurturing, and provides not only material support, but also a keen insight into the CQWW administrative process.

Randy, we could not have done it without you and the team sends you a big, public: THANK YOU!

(Scores on page 94)