

# Results of the 2015 CQWW DX SSB Contest

*It's this kind of unexpected opening ... that makes the game of radiosport so fascinating.*

BY RANDY THOMPSON,\* K5ZD

**T**he 68<sup>th</sup> running of the CQ World Wide DX SSB Contest dished out its share of QRM, heartache, and triumph for those who packed the bands over 48 hours during the last weekend of October 2015. The story of the contest can be summed up in three words: Expectations, Coronal Mass Ejection (CME), and noise!

There is nothing more hopeful than preparing for a contest. We watch the bands 27 days in advance to see if the sun will be offering tricks or treats. We carefully plan our strategy — not only for which band to be on at what time, but also to make sure the family knows to give us time in the chair. For those who travel, it's a frantic rush to find and pack all of the gear. And we work on antennas. A contest like the CQ WW provides all the motivation needed to make last minute adjustments in the hope of a better score.

Conditions over the summer and in the months leading up to the contest had lowered all expectations for 10 meters. Lots of energy was going into low-band antennas. Two weeks before the contest, the solar flux went up and 10 meters started to open. The week leading up to the contest sounded great and expectations started to rise. Could we sneak one more year out of our favorite band with room for everyone?

The solar flux was up to 124 two days before the contest and we were not only seeing encouraging 10 meter conditions, but the low bands were looking promising as well. Hope and expectations were on the rise.

What a difference a few days can make. The flux was dropping as the contest began — down to 106 both days. Even worse, a CME arrived earlier than expected and spewed unwelcome particles into the ionosphere during the middle portion of the contest. The low bands were highly absorbed and not good at all. The high bands opened well, but not with the length of openings we have come to enjoy over the past few years. More than one multi-op team had visions of a record score after the first 24 hours, only to see it slip away due to slow QSO rates on Sunday. To tease us with what might have been, conditions improved dramatically during the last few hours of the contest. Perhaps it is the sun's way of offering some encouragement to try again next year.

The CMEs weren't all bad news. In a twist from the usual, the CMEs did not cause an aurora and radio blackout for the northern latitudes. Instead, stations in northern Europe enjoyed a rare late night polar opening on 20 meters into North America. It's this kind of unexpected surprise — where stations in the far north gained an unexpected advantage



*The team behind the multi-single entry of YS1YS in El Salvador. From left to right: Mario, YS1MAE; Roberto, YS1RS; and Mario, YS1GMV. (Courtesy of YS1GMV)*

over those in the south — that make the game of radiosport so fascinating.

As if weak signal levels on the low bands weren't enough, static seemed to be everywhere. The remnants of Hurricane Patricia were moving through Texas, bringing rain and lightning. Big thunderstorms in the Caribbean made it difficult to hear anything on the low bands. Even stations in the Mediterranean complained of high static levels. Those who had invested their antenna building efforts on receiving antennas were rewarded.

A recurring theme in the post-contest comments was another kind of noise — QRM. Without 10 meters, all 40,000 stations active in CQ WW were crammed into less than 300 kHz on each band. It was almost impossible to find a clear frequency, which meant stations in different parts of the world were sharing three deep, causing lots of confusion and some not-in-log penalties. If you stopped talking even for a moment, it seemed someone would try to muscle in on the frequency. This was not helped by those selfish operators with over-processed audio and splatter well beyond the limits of a normal SSB signal.

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## 2015 WW DX SSB TROPHY WINNERS AND DONORS

### SINGLE OPERATOR

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

**World – Low Power**  
TO2A (Op.: Rich Smith, N6KT)  
Donor: Slovenian Contest Club

**World – QRP**  
Ron Schwartz, VE3VN  
Donor: Jeff Steinman, N5TJ

**World Assisted**  
TM6M (Op.: Sebastien Le Gall, F8DBF)  
Donor: Glenn Johnson, W0GJ

**World – Assisted Low Power**  
P40W (Op.: John Crevelli, W2GD)  
Donor: Gail Sheehan, K2RED

**U.S.A.**  
Krassimir Petkov, K1LZ  
Donor: Potomac Valley Radio Club – KC8C Memorial

**U.S.A. – Low Power**  
K3CR (Op.: Alex Avramov, LZ4AX)  
Donor: North Coast Contesters

**U.S.A. – QRP**  
Anthony Luscre, K8ZT  
Donor: Pat Collins, N8VV

**U.S.A. – Assisted**  
Charles D Fulp Jr, K3WW  
Donor: John Rodgers, WE3C

**U.S.A. – Assisted Low Power**  
Dennis Egan, W1UE  
Donor: LA9Z/LN9Z Leia Contest Club

**U.S.A. Zone 3**  
Mitch Mason, K7RL  
Donor: World Wide Radio Operators Foundation (WWROF)

**U.S.A. Zone 4**  
Kevin Stockton, N5DX  
Donor: Dave Pruett, K8CC & Greg Surma, K8GL

**Europe**  
Tonno Vahk, ES5TV  
Donor: Potomac Valley R.C. – W4BVV Memorial

**Europe – Low Power**  
ED5N (Op.: Raul Blasco, EA5KA)  
Donor: Tim Duffy, K3LR

**Europe – QRP**  
Pit Schmidt, DK3WE  
Donor: Steve "Sid" Caesar, NH7C

**Europe – Assisted**  
OH0X (Op.: Kim Ostman, OH6KZP)\*  
Donor: Martin Huml, OL5Y

**Europe – Assisted Low Power**  
Imanol Antonanzas, EC2DX  
Donor: Alex Goncharov, R3ZZ

**Africa**  
EF8U (Op.: Jeff Kinzli, N6GQ)  
Donor: Chris Terkla, N1XS

**Asia**  
UP0L (Op.: Vladimir Vinichenko, UN9LV)  
Donor: Nodir Tursun-Zade, EY8MM

**Caribbean/Central America – High Power**  
YN5Z (Op.: Scott Tutthill, K7ZO)  
Donor: Alex M. Kasevich, 8R1A

**Caribbean/Central America – Low Power**  
Felipe Hernandez, KP3Z  
Donor: Albert Crespo, NH7A

**Oceania**  
KH7M (Op.: Jim Neiger, N6TJ)  
Donor: Barbara Yasson, AC7UH

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

**Canada**  
Jeff Briggs, YV2ZM  
Donor: Contest Club Ontario – VE3WT Memorial

**Russia**  
Anatoly Polevik, RC9O  
Donor: Roman Thomas, R5AA

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

**Japan – Low Power**  
Yuichi Yamazaki, JJ1VRO  
Donor: Western Washington DX Club

**Southern Cone (CE CX LU) – Low Power**  
CW5W (Op.: Jorge Diez Furest, CX6VM)  
Donor: LU Contest Group

**ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)**  
XW1IC (Op.: Champ Muangamphun, E21E1C)  
Donor: YB Land DX Club

**ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)**  
– Low Power  
Nikhorn Deesai, HS5NMF  
Donor: Bob Kupps, N6BK

### SINGLE OPERATOR, SINGLE BAND

**World – 28 MHz**  
D4Z (Op.: Massimo Cortesi, IZ4DPV)  
Donor: Joel Chalmers, KG6DX

**World – 21 MHz**  
ED8X (Op.: Alexey Mikhailov, RA1A1P)  
Donor: Robert Naumann, W5OV

**World – 14 MHz**  
CR5C (Op.: Pavel Prihoda, OK4PA)  
Donor: North Jersey DX Assn. – K2HLB Memorial

**World – 7 MHz**  
D4C (Op.: Andrea Bianchi, HB9DUR)  
Donor: Fred Laun, K3ZO – K7ZZ Memorial

**World – 3.7 MHz**  
CR2X (Op.: Marti Laine, OH2BH)  
Donor: Fred Capossela, K6SSS

**World – 1.8 MHz**  
IH9A (Op.: Gianfranco Di Maio, IT9SPB)  
Donor: Martin Monsalvo, LU5DX & Carlos Monsalvo, LU6EBY – LU8DQ Memorial

**U.S.A. – 28 MHz**  
Jay Camac, N4OX  
Donor: World Wide Radio Operators Foundation (WWROF)

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

**U.S.A. – 14 MHz**  
Conrad Romberg, N5CR/7  
Donor: Yankee Clipper Contest Club – KC1F Memorial

**U.S.A. – 7 MHz**  
Dan Handa, W7WA  
Donor: Stanley Cohen, W8QDQ

**U.S.A. – 3.7 MHz**  
Joe Gagliardi, AA1BU  
Donor: John Rodgers, WE3C

**U.S.A. – 1.8 MHz**  
Ronald McClain, W2VO  
Donor: South Texas DX & Contest Club (STDXCCC)

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

**Oceania (14 MHz)**  
E51EAQ (Op.: Jacek Marczewski, SP5EAQ)  
Donor: Bruce D. Lee, KD6WW

**Asia (21 MHz)**  
Shinya Hatakenaka, JA5FDJ  
Donor: Dallas/Fort. Worth Contest Group W5PG Memorial

**Europe – 28 MHz**  
EE3A (Op.: Jordi Bueno, EA3ATM)  
Donor: John Rodgers, WE3C

**Europe – 21 MHz**  
OH8X (Op.: Pasi Luoma-Aho, OH6UM)  
Donor: Tine Brajnik, S50A

**Europe – 14 MHz**  
OZ7X (Op.: Kristian Soeholm, OZ5KF)\*  
Donor: Charles Wooten, NF4A

**Europe – 7 MHz**  
TM0T (Op.: Gildas Balanec, TU5KG)  
Donor: Central Texas DX and Contest Club – NT5C Memorial

**Europe – 3.7 MHz**  
OK5D (Op.: David Lunak, OK1DTP)\*  
Donor: Ted Demopoulos, KT1V

**Europe – 1.8 MHz**  
Max Elleby, OZ4MD  
Donor: Robert Kasca, S53R

### MULTI-OPERATOR, SINGLE TRANSMITTER

**World**  
EF8R (Ops.: R2AA, UA5C, RA5A, RT9T, EA8RM, LY4A, OH1RY, RN3QO, RW3QNZ)  
Donor: So. Calif. DX Club – W6AM Memorial

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

**U.S.A.**  
K6ND/1 (Ops.: W1VE, KE1J, K6ND, K3JO)  
Donor: Carolina DX Association – Ted Goldthorpe, W4VHF & Ken Boyd, K4DXA Memorial

**Canada**  
VE3JM (Ops.: VE3EK, VE3EY, VE3JM)  
Donor: John Sluymmer, VE3EJ – Paul Hudson, VE3TA Memorial

**Caribbean/Central America**  
V47T (Ops: K1DG, N2NT, KM3T)  
Donor: Bob Raymond, WA1Z

**Africa**  
CR3A (Ops.: CT1BOH, CT1FUU, CT3BD, CT3DL, CT3DZ, CT3EE, OM3GI, OM3RM)  
Donor: World Wide Radio Operators Foundation (WWROF)

**Asia**  
P33W (Ops.: UR5MID, LZ2HM, LZ3FN, LY4AA, 5B4AIE, R4FO, UA4FER, RW4WR, RA3AUU)  
Donor: Edward L. Campbell, NX7TT – AA6BB and KA6V Memorial

**Japan**  
JR5YCE (Ops: JM1UWB, JR2GRX, JJ5GMJ, JH5FIS, JH5RXS)  
Donor: Arizona Outlaws Contest Club

**Europe**  
EI7M (Ops.: EI8IR, EI3JE, EI3JZ, EI3KD, EI7IG, G0CKV, EI7KD, G4CLA)  
Donor: Gail Sheehan, K2RED

**Europe – Low Power**  
EF7X Ops.: (EA7AKK, EA7FUN, EA7KW, EA7PP, EA7RM)  
Donor: EA Contest Club

**Oceania**  
VK4NM (Ops: VK4NM, VK4LAT)  
Donor: Junichi Tanaka, JH4RHF

**South America**  
PJ4X (Ops: K2NG, NA2AA, PJ4LS, JH5GHM)  
Donor: Victor Burns, K16IM – The Cuba Libra Contest Club

### MULTI-OPERATOR, TWO TRANSMITTERS

CN2AA (Ops: R3DCX, RA3CO, RC6U, RK3AD, R3FA, RK7A, RL3FT, RM2U, RM9I, RM2FA, RU9I, RV3MA, RW7K, RX3APM, UA2FM, UA3AB, UA3ASZ, UA4Z, UB7K)  
Donor: Dave Leeson, W6NL & Barb Leeson, K6BL

**U.S.A.**  
K3LR (Ops: K3LR, N2NC, N5UM, W3CDG, W2RQ, WM2H, W5OV, K3LA, K1AR, N6MJ, N3SD, K3UA, DL6LAU, N3GJ, LU7DW)  
Donor: Jim Lawson, W2PV Memorial

**Europe**  
DF0HQ (Ops: DG1ATN, DJ1TH, DJ9AO, DK5KMA, DK7YY, DL1AUZ, DL4UNY, DL5ANT, DL5GA, DL5MLO, DL6SAK, DL7CH, DL7FER, DL7VOA, DL8BH, DM8HH)  
Donor: Finnish Amateur Radio League

**Oceania**  
KH6J (Ops: AH6S, AH6NF, KH6NX, KH6U, KH7U, KH6WG, KH6XL, N2NL, W6WR, W0CN)  
Donor: Tack Kumagai, JE1CKA – JR2GMC and JA9SSY Memorial

### CONTEST EXPEDITIONS

**World Single Operator**  
ZD7W (Op: Oliver Sweningsen III, W6NV)  
Donor: National Capital DX Association - Stuart Meyer, W2GHK Memorial

**World Multi-Op**  
TO4K (Ops: G4XUM, GM4AFF, M5RIC, N0VD)  
Donor: Gail Sheehan, K2RED

### OVERLAY CATEGORIES

**World – Classic**  
P49Y (Op.: Andrew Faber, AE6Y)  
Donor: Pete Smith, N4ZR

**U.S.A. – Classic**  
Jon Zaines, AA1K/3  
Donor: Tom Horton, KS1ID

**World – Rookie**  
Valery Zhitkovich, EW6W  
Donor: Tim Duffy, K3LR – N8SM Memorial

**U.S.A. – Rookie**  
Tucker McGuire, W4FS  
Donor: Tim Duffy, K3LR – K3TUP Memorial

*\*Second place*

	Single Operator				Assisted			
	High	Low	QRP	Total	High	Low	QRP	Total
<b>All Bands</b>	844	1979	110	2933	1126	912	30	2068
<b>10m</b>	85	357	28	470	131	175	18	324
<b>15m</b>	98	224	35	357	108	99	13	220
<b>20m</b>	71	191	24	286	85	72	9	166
<b>40m</b>	59	86	15	160	56	44	14	114
<b>75m</b>	31	29	8	68	35	28	4	67
<b>160m</b>	28	20	4	52	21	13	3	37
<b>Multi-One</b>					260	121		381
<b>Multi-Two</b>					104			104
<b>Multi-Multi</b>					54			54
<b>Totals</b>				4326				3535

*Table 1. Number of Entries by Category*



*The men behind the voices at Signal Point, PJ2T. Back row (from left to right): Jack, N4RV; Rick, NØYY; Andrea, IK7YTT; and Dave, VA7AM. Front: Heiko, DK3DM; Geoff, WØCG/PJ2DX; Uli, DL8OBQ; John, N4QQ; and Adam, W1ASB. (Courtesy of WØCG)*

There is QRM, and then there is QRM on 40 meters. It seemed like every high-powered multi-op was fighting for space between 7125 and 7200. Franki, OQ5M, summed it up this way, “if SSB is ‘like pulling teeth’ — on 40 it’s without anesthesia.” Karel, OK1CF, noted, “it is a great pity that many of us have forgotten how to work split. Between the terrible splatters here in [the] middle part of Europe, it is simply not possible to listen to weak signals.”

The pressure to find a frequency was so great that some stations sought refuge by operating slightly outside of the amateur radio bands. We used our SDR recordings to identify stations that were running on 14350 and 21450. Sorry guys, but that puts a lot of your signal outside the limit. We removed these QSOs when we found them. Stations in ITU region 1 also need to remember that they may not work above 7200 kHz.

Radiosport is a game played regardless of the conditions. When the starting bell for CQ WW sounds, the bands explode with activity and the race is on.

Conditions were good enough that over 5 million QSOs were reported in the received logs, including contacts with 223 different country multipliers. Even some QRP stations accomplished DXCC in a weekend. Nineteen stations were able to work all 40 CQ Zones on 15 meters, three did it on 20 meters, and one did it on 10 meters.

What words would describe your experiences in CQ WW SSB 2015?

### Single Operator All Bands

The top overall Single Operator All Bands (SOAB) score was a repeat victory by Tom, W2SC, operating from his usual spot in Barbados as 8P5A. Tom logged exactly 400 contacts in the first 60 minutes of the contest on his way to a total of 10,220 after log checking! His only moment of concern was losing a homebrew solid-state amplifier 26 hours into the contest. After the contest, Tom reported, “the high bands were great but the low bands had very high noise levels. The first night it was even hard to work other Caribbean stations on 160.”



*Installing radials directly in the saltwater at A73A were (red shirt) Alex, OZ7AM and (white shirt) Romeo, S59. (Courtesy of S59M)*

Tonno, ES5TV, was thrilled with his second place overall finish calling it “... probably the most memorable contest experience I have ever had.” Tonno was watching the online scoreboard at cqcontest.net and saw that Kim, OHØX, was ahead on multipliers. Tonno used that as motivation, saying, “I literally pushed like never before. Without a single break for 48 hours other than a quick jump or two into the bathroom.” What Tonno didn’t realize was that Kim was in the Assisted category. “Had I known that I was competing only against myself and without any ambition for top Europe, I would have certainly taken a short nap or relaxed.” Taking advantage of the incredible late night opening on 20 meters to North America, Tonno finished far ahead of all other European scores.

There were four continents represented among the top five SOAB scores. Jeff, N6GQ, overcame a killer travel schedule to place fourth from EF8U in his first time operating from Africa. Vladimir, UN9LW, represented Asia with a big score from UPØL in Kazakhstan.

The USA Top Ten for SOAB featured stations from across the country. Krassy, K1LZ, in Massachusetts nailed down the top spot with Kevin, N5DX,



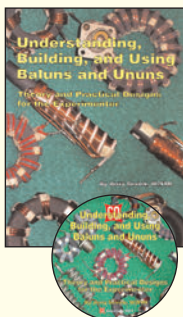
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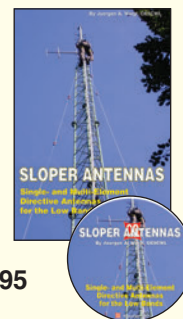
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## 2015 CQ WW DX SSB TOP SCORES

<p><b>WORLD SINGLE OPERATOR HIGH POWER All Band</b></p> <p>8P5A (W2SC) .....16,911,600                      ES5TV .....13,177,813                      VY2ZM (K1ZM) .....11,665,566                      EFBU (N6GQ) .....9,956,860                      UP0L (UN9LW) .....9,666,524                      CF3A (VE3AT) .....9,618,125                      9A1P (9A1UN) .....9,316,256                      RC90 .....8,963,178                      P3F (5B4AGN) .....8,666,580                      UW2M (UR0MC) .....8,424,752</p> <p><b>28 MHz</b></p> <p>D4Z (I4ZDPV) .....3,252,670                      CX2DK .....2,325,162                      ZY2B .....1,502,904</p> <p><b>21 MHz</b></p> <p>ED8X (RA1A) .....2,069,516                      OH8X (OH6UM) .....1,797,696                      CR6T (CT1ESV) .....1,512,368</p> <p><b>14 MHz</b></p> <p>CR5C (OK4PA) .....1,403,061                      OZ7X (OZ5FS) .....1,367,688                      G9W (M0DXR) .....1,352,575</p> <p><b>7 MHz</b></p> <p>D4C (HB9DUR) .....1,436,064                      TM0T .....798,532                      RK4FD .....750,547</p> <p><b>3.7 MHz</b></p> <p>CR2X (OH2BH) .....453,248                      OK5D (OK1DTP) .....201,178                      EW8Y .....163,464</p> <p><b>1.8 MHz</b></p> <p>IH9A (IT9SPB) .....267,736                      OZ4MD .....42,280                      G4L (G4LDL) .....37,417</p> <p><b>LOW POWER All Band</b></p> <p>T02A (N6KT) .....7,035,756                      3V8SS (KF5EYY) .....6,408,158                      KP3Z .....6,138,341                      VE3DZ .....5,727,392                      NP2X .....5,452,457                      ED5N (EA5KA) .....3,808,761                      OK7Z (OK2ZI) .....3,728,718                      K3CR (LZ4AX) .....3,568,956                      EP2A (EA20T) .....3,542,272                      LY5R (LY9A) .....3,531,635</p> <p><b>28 MHz</b></p> <p>EA8TX .....1,122,680                      ZP6DYA .....514,856                      VR2ZQZ .....458,590</p> <p><b>21 MHz</b></p> <p>S0S (EA2CNU) .....876,555                      JF3BFS .....374,267                      LZ2JA .....241,280</p> <p><b>14 MHz</b></p> <p>9Y4D .....1,275,340                      CO6LC .....388,326                      RZ90Q .....239,085</p> <p><b>7 MHz</b></p> <p>RC7KY .....163,114                      YV8ER .....157,080                      SO7NSN .....108,150</p> <p><b>3.7 MHz</b></p> <p>F5BEG .....55,242                      SP4SHD .....33,672                      VE3BR .....30,108</p> <p><b>1.8 MHz</b></p> <p>SO9IAU .....23,265                      OK1JOK .....13,886                      YO8RZJ .....12,528</p> <p><b>QRP All Band</b></p> <p>VE3VN .....677,340                      DK3WE .....642,208                      JR4DAH .....500,678                      JH10GC .....485,010                      UX2MF .....425,548                      K8ZT .....340,075                      G4CWH .....290,418                      IZ1ANK .....287,328                      W6QU (W8QZA) .....236,610                      ND0C .....235,554</p>	<p><b>28 MHz</b></p> <p>PU1MHZ .....122,910                      ISKAP .....54,431                      WA6FGV .....43,758</p> <p><b>21 MHz</b></p> <p>YT7Z (YU7SK) .....103,740                      SP5DDJ .....83,520                      GJ3YHU .....52,917</p> <p><b>14 MHz</b></p> <p>SQ5NBE .....58,290                      IN3HUU .....11,780                      R2ABT .....11,286</p> <p><b>7 MHz</b></p> <p>CT1BXT .....37,570                      UT5UUV .....12,264                      IZ2JPN .....11,456</p> <p><b>3.7 MHz</b></p> <p>OL4W (OK1IF) .....13,872                      SQ8MFB .....6,020                      RA4FWA .....3,936</p> <p><b>1.8 MHz</b></p> <p>HA1TI .....2,883</p> <p><b>ASSISTED HIGH POWER All Band</b></p> <p>TM6M (F8DBF) .....14,263,470                      OH0X (OH6KZP) .....11,790,240                      PX5E (PP5JR) .....11,073,697                      TO2M (VE3LA) .....9,460,955                      6Y9X (K1XM) .....8,245,664                      P40A (KK9A) .....8,176,630                      SQ2O (SQ2GXO) .....8,168,004                      VA2WA .....7,674,189                      LP1H (LU5HM) .....7,318,072                      EU1A .....7,185,879</p> <p><b>28 MHz</b></p> <p>CQ3L (DF7ZS) .....2,157,246                      LR1E (LW6DG) .....1,906,736                      OK7K (OK1BN) .....1,216,885</p> <p><b>21 MHz</b></p> <p>DL2ARD .....1,685,103                      YV4NN .....1,542,240                      9Y4W .....1,495,224</p> <p><b>14 MHz</b></p> <p>4L8A .....1,606,648                      OL9A (OK2ZAW) .....1,516,482                      OH8L (OH2LQ) .....1,503,712</p> <p><b>7 MHz</b></p> <p>SN3A (SP3GEM) .....772,740                      TM7G .....575,127                      9A2L (9A3AG) .....519,224</p> <p><b>3.7 MHz</b></p> <p>HA8A (HA8DZ) .....279,672                      M5B (G3WVG) .....257,370                      OQ5M (ON5ZO) .....181,450</p> <p><b>1.8 MHz</b></p> <p>IO4C (I4ZAW) .....76,440                      EF8S (OH2BYS) .....70,824                      OK1W .....69,388</p> <p><b>ASSISTED LOW POWER All Band</b></p> <p>P40W (W2GD) .....8,641,514                      EC2DX .....5,377,401                      HI3TEJ .....4,665,692                      LY7Z .....4,394,565                      W1UE .....4,143,150                      9A5Y (9A7DX) .....4,088,268                      KE3X .....3,701,388                      K5WA .....2,583,819                      VE2IDX (VE3ZF) .....2,569,899                      VA3DF .....2,438,257</p> <p><b>28 MHz</b></p> <p>ED80 (EC5AN) .....1,035,709                      SV9GPV .....805,304                      IR9W (IW0HBY) .....739,576</p> <p><b>21 MHz</b></p> <p>YV1KK .....1,229,658                      EA8MT .....1,012,860                      UK9AA .....867,232</p> <p><b>14 MHz</b></p> <p>GI6K (GI0KOW) .....638,880                      UR2Y (US0YW) .....619,362                      YO9HP .....439,200</p>	<p><b>7 MHz</b></p> <p>CQ7X (EA7JX) .....235,480                      PD1D .....62,084                      HI8KW .....59,600</p> <p><b>3.7 MHz</b></p> <p>E740 .....63,492                      OK1AY .....59,625                      YU0U .....56,628</p> <p><b>1.8 MHz</b></p> <p>ES5RY .....32,154                      Z35T .....28,644                      LY2OU .....21,122</p> <p><b>ASSISTED QRP All Band</b></p> <p>RT4W .....678,300                      IZ8JFL/1 .....444,087                      RA4AAT .....417,125                      IZ3NVR .....358,474                      DD5FM .....334,196                      OK2FD .....221,112                      YU1LM .....195,337                      SP9RQH .....141,949                      UR5XMM .....89,180                      LZ7H .....74,036</p> <p><b>28 MHz</b></p> <p>SP5EWX .....162,960                      JR3RWB .....117,645                      R7NA .....96,480</p> <p><b>21 MHz</b></p> <p>OH2BV .....178,416                      II3W (I3VFJ) .....165,240                      BD9XE .....73,440</p> <p><b>14 MHz</b></p> <p>MW0JRX .....201,720                      YT4T .....71,536                      IZ0FUW .....43,344</p> <p><b>7 MHz</b></p> <p>IQ3KU (I3IBL) .....23,400                      SV3GKU .....13,662                      IZ1DGG .....10,761</p> <p><b>3.7 MHz</b></p> <p>EW1IP .....24,640                      ES7RX .....4,536                      9A4AA .....3,465</p> <p><b>1.8 MHz</b></p> <p>YP8A .....3,116                      SP60JK .....1,710</p> <p><b>MULTI-OP SINGLE TRANSMITTER High Power</b></p> <p>EF8R .....30,859,830                      CR3A .....26,524,220                      P33W .....25,506,000                      V47T .....23,721,177                      UP2L .....19,342,103                      PJ4X .....18,425,844                      EI7M .....16,988,367                      9K2HN .....16,026,408                      IR4X .....14,857,570                      E7DX .....14,454,180</p> <p><b>Low Power</b></p> <p>FY5KE .....14,118,480                      VP9I .....6,784,064                      EF7X .....5,370,786                      KP4BD .....4,309,425                      HI3K .....3,988,962                      ED1B .....3,910,548                      PR1T .....3,841,830                      SZ1A .....2,942,055                      OE2S .....2,863,344                      9A3B .....2,493,120</p> <p><b>MULTI-OP TWO TRANSMITTER</b></p> <p>CN2R .....36,582,798                      CN3A .....34,973,452                      PJ4Q .....23,660,020                      C4A .....20,307,184                      T04K .....19,705,908                      A73A .....19,171,206                      V26B .....18,635,988                      KC1XX .....18,105,815                      PX2A .....16,904,300                      ED9K .....16,893,920</p> <p><b>MULTI-OP MULTI-TRANSMITTER</b></p> <p>CN2AA .....69,993,040                      K3LR .....31,602,915</p>	<p>HK1NA .....30,132,705                      PJ2T .....27,166,178                      W3LPL .....23,637,570                      DF0HQ .....23,497,428                      9A1A .....23,148,840                      ZW5B .....21,068,295                      WE3C .....19,324,062                      LZ9W .....18,088,200</p> <p><b>ROOKIE High Power</b></p> <p>EW6W .....3,240,975                      W4FS .....2,813,586                      A92AA .....853,160                      KG5CIK .....364,212                      ND7J/4 .....355,320                      LB7ZG .....258,995                      VE3TCV .....224,576                      W7CYL .....211,640                      YU2DBZ .....184,496                      YU1USA .....150,290</p> <p><b>ROOKIE Low Power</b></p> <p>YY1YLY .....692,886                      BG2CTX .....639,840                      8P9EH .....419,152                      OH5CZ .....391,575                      KF5VDX .....363,090                      YTSIVN .....327,137                      ED3T (EA3HSO) .....319,770                      M4P (M0PMV) .....315,248                      R0AEE .....297,297                      PA9IGB .....294,752</p> <p><b>CLASSIC High Power</b></p> <p>P49Y (A6Y) .....6,930,818                      4L0A (4L4WW) .....5,500,828                      OH0V (OH6LI) .....3,050,431                      HG3R .....2,883,540                      A65BP .....2,882,180                      AA1K/3 .....2,653,530                      SP9LJD .....2,527,448                      G5W (5B4WN) .....2,456,904                      GM2V (GM3WOJ) .....2,450,760                      OA4SS .....2,355,792</p> <p><b>CLASSIC Low Power</b></p> <p>VE3DZ .....3,526,202                      OE6Z (OE6MBG) .....2,402,244                      V3A (V31MA) .....1,918,290                      K1BX .....1,538,685                      TY4AB .....925,344                      LY6A .....814,618                      US0HZ .....786,210                      K1HT .....738,360                      SO6H (SQ6PLH) .....686,700                      OK1TA .....649,020</p> <p><b>UNITED STATES SINGLE OPERATOR HIGH POWER All Band</b></p> <p>K1LZ .....8,223,696                      N5DX .....7,336,080                      N1UR .....7,172,642                      W9RE .....5,584,410                      N9RV/7 .....5,573,344</p> <p><b>28 MHz</b></p> <p>N40X .....504,900                      K8MFO .....441,188                      W4SLT .....120,078                      KC9WAV .....115,230                      NI0G .....92,514</p> <p><b>21 MHz</b></p> <p>KU2M .....1,118,340                      W3EP/1 .....363,485                      K2YY/6 .....284,532</p> <p><b>14 MHz</b></p> <p>N5CR/7 .....260,865                      AB1WR .....113,436                      K1RX .....96,652</p> <p><b>7 MHz</b></p> <p>W7WA .....532,024                      W1XX .....212,864                      N7AU .....48,500</p> <p><b>3.7 MHz</b></p> <p>AA1BU .....101,222                      W4QNW .....28,392                      W2XL .....27,000</p> <p><b>1.8 MHz</b></p> <p>W2VO .....4,440</p>	<p>N7GP (N5IA) .....4,200                      WB4WXE .....2,400</p> <p><b>LOW POWER All Band</b></p> <p>K3CR (LZ4AX) .....3,568,956                      AD4Z .....2,495,871                      N5AW .....2,226,978                      NA8V .....1,949,815                      N4TZ/9 .....1,887,472</p> <p><b>28 MHz</b></p> <p>K2PS/4 .....137,826                      K3MSB .....96,250                      WE6EZ/5 .....91,258</p> <p><b>21 MHz</b></p> <p>K0BBB .....151,065                      W3SM/1 .....122,752                      K5FUV .....113,704</p> <p><b>14 MHz</b></p> <p>KJ4OHL .....66,926                      KF5CYZ .....32,851                      KX2S/3 .....26,325</p> <p><b>7 MHz</b></p> <p>KB3LIX .....29,484                      KD5LNO .....16,660                      W9QL .....4,329</p> <p><b>3.7 MHz</b></p> <p>W8JGU .....7,498                      K4CC .....6,223</p> <p><b>QRP All Band</b></p> <p>K8ZT .....340,075                      W6QU (W8QZA) .....236,610                      ND0C .....235,554                      W1JCW/5 .....223,965                      KA8SMA .....151,891</p> <p><b>28 MHz</b></p> <p>WA6FGV .....43,758                      KM4VR .....9,464                      KI0G/5 .....3,120                      N8XX .....1,200</p> <p><b>21 MHz</b></p> <p>N3UR .....16,464</p> <p><b>14 MHz</b></p> <p>WB3D/4 .....6,624</p> <p><b>ASSISTED HIGH POWER All Band</b></p> <p>K3WW .....6,889,155                      K5TR .....5,839,540                      NN1SS .....5,456,136                      N3RS .....5,158,964                      AA3B .....4,647,250</p> <p><b>28 MHz</b></p> <p>W5PR .....615,038                      K2SSS .....480,048                      W7ZR .....222,162</p> <p><b>21 MHz</b></p> <p>K3EST/6 .....931,245                      N7DD .....884,256                      AB4B .....773,245</p> <p><b>14 MHz</b></p> <p>WA3C/8 .....329,556                      N2NS/6 .....63,245                      KJ7NL .....27,730</p> <p><b>7 MHz</b></p> <p>W9RN .....71,027                      W2TA/4 .....68,794                      W6RW/7 .....49,312</p> <p><b>3.7 MHz</b></p> <p>W3NO .....59,247                      N6RO .....18,590                      W1ZZ .....11,221</p> <p><b>ASSISTED LOW POWER All Band</b></p> <p>W1UE .....4,143,150                      KE3X .....3,701,388                      K5WA .....2,583,819                      W9PA .....2,272,050                      KS1J .....1,806,060</p> <p><b>28 MHz</b></p> <p>N1DG .....220,500                      N4I/5 .....199,955                      KE5SNJ .....135,250</p>	<p><b>21 MHz</b></p> <p>AI0L .....339,438                      W2AW (N2GM) .....256,122                      N9TGR .....240,099</p> <p><b>14 MHz</b></p> <p>N4DL .....73,401                      NW4V .....10,176                      N2GA .....1,456</p> <p><b>7 MHz</b></p> <p>WK9U .....34,452                      KC0MCK/4 .....4,180</p> <p><b>3.7 MHz</b></p> <p>K3TW/4 .....8,195                      WB40MM .....2,607</p> <p><b>ASSISTED QRP 28 MHz</b></p> <p>KB2HSH .....11,232</p> <p><b>21 MHz</b></p> <p>N0UR .....20,808                      W9SUN .....17,871                      N8HP .....16,614</p> <p><b>14 MHz</b></p> <p>N9NBC .....19,512</p> <p><b>7 MHz</b></p> <p>N9NBC .....19,512</p> <p><b>MULTI-OP SINGLE TRANSMITTER High Power</b></p> <p>K6ND/1 .....8,571,060                      K8AZ .....8,447,173                      NV9L .....7,142,818                      W2FU .....6,447,080                      WW4LL .....6,141,787</p> <p><b>Low Power</b></p> <p>NM1C .....1,667,925                      KT4ZB .....1,423,148                      WA1F/4 .....503,440                      K4RC .....401,790                      W3HAC .....260,848</p> <p><b>MULTI-OP TWO TRANSMITTER</b></p> <p>KC1XX .....18,105,815                      K9CT .....11,482,330                      NQ4I .....10,526,440                      N0NI .....6,898,755                      K4TCG .....5,673,734</p> <p><b>MULTI-OP MULTI-TRANSMITTER</b></p> <p>K3LR .....31,602,915                      W3LPL .....23,637,570                      WE3C .....19,324,062                      WK1Q .....12,144,725                      W4RM .....10,249,351</p> <p><b>ROOKIE High Power</b></p> <p>W4FS .....2,813,586                      KG5CIK .....364,212                      ND7J/4 .....355,320                      W7CYL .....211,640                      KG5CIJ .....98,306</p> <p><b>Low Power</b></p> <p>KF5VDX .....363,090                      KC1BOH .....205,425                      KE0CRP .....187,543                      AE0EE .....165,000                      AC8XI .....161,138</p> <p><b>CLASSIC High Power</b></p> <p>AA1K/3 .....2,653,530                      NN1N .....1,729,920                      N8II .....1,609,685                      W1WEF .....1,424,280                      K9JF/7 .....1,060,618</p> <p><b>Low Power</b></p> <p>K1BX .....1,538,685                      K1HT .....738,360                      NA1DX/3 .....367,319                      KK4RV .....347,706                      K1IX .....315,268</p>
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Gary, KF5VDX, set up this vertical array on the beach and worked 94 countries — five for all time new ones! (Courtesy of KF5VDX)



Rich, N6KT, operating as TO2A. (Courtesy of N6KT)

doing a great job to finish second from Arkansas. Mike, W9RE, did his usual strong effort from Indiana in fourth. Pat, N9RV/7, in Montana outdueled Mitch, K7RL, in Washington for the top score out west.

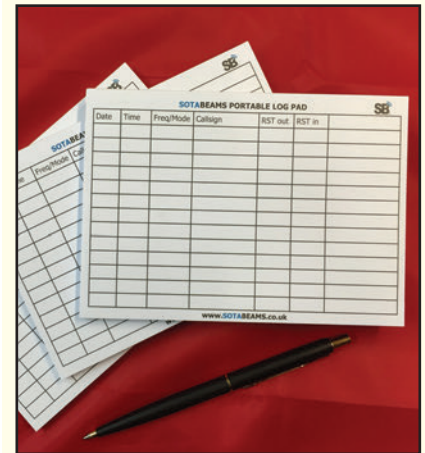
SOAB Low Power was the most popular category in the contest with 1,979 entries (see *Table 1*). The top score was a real Field Day style operation by Rich, N6KT, operating as TO2A in French Guiana. Rich worked from a tent with generator power and no antennas more than 10 meters high. This was Rich's 11<sup>th</sup> world high score in CQ WW Phone. Ashraf, KF5EYY, operated 3V8SS to second place just ahead of three North

American entries KP3Z, VE3DZ, and NP2X. The top European score was ED5N operated by Raul, EA5KA. Long time high-power competitor Alex, LZ4AX, drove the K3CR station in low power for the top USA score, followed by Julio, AD4Z, and Marv, N5AW.

### Single Operator All Bands Assisted

The Assisted categories continue to grow in popularity. The SOAB Assisted High Power category had 1,126 entries. The winner was TM6M in Western France operated by Sebastien, F8DBF. Sebastien had the second highest single-operator score in the contest behind only 8P5A. Kim, OH6KZP, operated OHØX to the highest multiplier of any single operator to finish second. Sergio, PP5JR, piloted PX5E to third with one of the few big scores from the Southern Hemisphere in a year where all the action was up north.

The winner of the SOAB Assisted Low Power category was John, W2GD, operating from P4ØW in Aruba. John's score would have placed him fifth in the High-Power category. The contest had a special meaning for John, "Nine months ago the doctors told me I had cancer and my prognosis was limited. But, after six months of treatment with a new immuno-therapy drug (and the loving prayers of thousands), last month I achieved the miracle of complete remission ... the cancer is currently gone. Unfortunately there is no permanent cure for this, but I'm enjoying every extra day I have."



### SOTabeams Redesigns Popular Portable Log Pad

SOTabeams has redesigned its popular portable log pad. The changes were suggested by users and include a new page format together with revised columns for easier use. The pad uses A6 paper, which is 105 x 148 mm (approx. 4 x 6 inches) and is made up of 80 g/sqm white paper that is not waterproof. It is glued to the 750-micron grayboard backing along the long edge, which makes it easy to tear off individual sheets. There are 50 sheets per pad with 13 QSO lines per sheet.

The Log Pad is available now and has a retail price of \$2.12 with a special price on 10 or more pads. For more information, contact: SOTabeams, 2<sup>nd</sup> Floor, Paradise Mill, Park Lane, Macclesfield, SK11 6TL U.K. Phone: +44 (0) 7976 688359. Website: <<http://www.sotabeams.co.uk>>.

**Note:** "What's New" is not a product review and does not constitute a product endorsement by CQ. Information is primarily provided by manufacturers/vendors and has not necessarily been independently verified.



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# 2015 CQ WW 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	67/7/23	533/18/77	1621/28/101	1996/33/108	2744/31/113	3259/30/111
ES5TV	235/12/54	562/19/73	982/31/107	2243/36/127	3017/38/132	781/35/117
VY2ZM	251/18/68	361/21/74	937/27/94	2006/34/117	1298/35/116	1088/29/105
EF8U	20/3/16	230/15/44	420/19/80	942/30/100	1778/35/110	2492/28/100
UPL	68/7/19	326/11/50	1300/28/95	1666/34/99	1183/31/99	1442/27/96

## WORLD SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
TM6M	148/11/49	606/19/86	1287/31/115	1601/34/131	1872/37/135	1543/36/151
OH0X	180/9/52	515/17/85	965/35/126	1572/38/149	2457/39/151	605/36/143
PX5E	8/5/7	150/16/60	246/29/89	1028/34/124	1240/37/129	2888/35/136
T02M	24/4/16	268/19/60	888/28/96	1434/35/120	1005/29/102	2819/32/124
*P40W	21/4/18	155/16/57	439/26/90	1060/34/121	995/33/113	1919/31/115

## WORLD MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
EF8R	85/11/54	632/21/92	1615/37/125	2365/38/156	2083/39/154	4814/38/162
CR3A	96/13/56	648/23/95	850/32/113	2364/38/147	2155/37/149	4168/38/154
P33W	179/9/56	451/20/84	1249/34/123	2628/38/155	2296/39/151	3299/37/154
V47T	87/11/47	417/19/84	1824/33/118	2206/37/140	3421/38/145	3700/34/137
UP2L	151/8/51	564/18/78	1798/37/129	2417/38/152	2363/37/150	965/32/129

## WORLD MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
CN2R	246/10/49	1497/27/107	2031/33/121	2086/37/150	4086/38/153	3960/38/154
CN3A	62/8/45	887/21/92	2115/34/121	3043/38/149	3627/38/152	4068/37/158
PJ4Q	63/11/30	498/19/76	1539/28/108	2305/34/130	3272/32/118	3423/31/123
C4A	93/8/42	481/14/71	1396/32/114	2051/37/146	2202/38/135	2555/37/155
T04K	84/6/20	650/17/72	1902/28/95	2557/33/125	3900/31/113	3392/29/118

## WORLD MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
CN2AA	872/20/84	2284/31/117	3537/37/140	5710/38/162	5518/39/168	5423/40/164
K3LR	466/19/61	841/27/99	2350/36/137	3353/39/174	3188/40/168	2260/34/147
HK1NA	268/16/52	596/21/78	2017/31/116	3349/37/140	3199/36/132	3888/32/120
PJ2T	175/13/28	644/20/79	1823/30/108	2816/36/136	3631/33/124	3794/30/124
W3LPL	275/14/42	750/26/99	1844/34/130	1931/39/158	3051/40/157	2001/34/140

## USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
K1LZ	79/10/38	329/21/70	714/20/81	897/31/100	1658/33/104	1114/23/93
N5DX	17/8/11	176/20/63	793/31/99	691/35/120	1622/37/126	780/32/108
N1UR	42/9/26	349/17/69	555/24/89	842/31/107	1141/33/115	1088/27/100
W9RE	33/9/15	171/18/63	450/30/95	643/34/111	979/35/113	897/26/96
N9RV7	12/5/5	101/21/39	747/32/73	735/32/107	1667/37/113	533/27/65

## USA SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
K3WW	40/8/25	199/20/74	243/26/96	1312/35/134	756/33/129	898/29/112
K5TR	23/10/17	90/20/60	563/30/109	367/36/122	1342/37/140	827/32/129
NN1SS	13/7/8	165/19/75	238/26/96	1071/37/130	713/33/118	603/29/113
N3RS	5/4/3	160/16/67	283/23/85	674/36/130	789/34/122	817/29/119
AA3B	16/6/15	170/14/64	332/25/91	659/32/116	598/31/114	798/26/107

## USA MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
K6ND/1	42/11/32	374/19/82	535/27/102	823/37/135	1210/33/135	1210/30/122
K8AZ	21/9/18	76/20/73	523/29/105	1107/38/137	1313/37/138	958/33/126
NV9L	30/11/29	73/21/68	536/31/114	753/38/141	1129/38/140	902/31/116
W2FU	26/9/24	246/21/81	247/28/101	907/38/140	838/36/130	831/32/120
WW4LL	14/8/13	128/21/74	516/31/113	656/36/134	1040/38/140	726/32/126

## USA MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
KC1XX	36/11/29	595/23/91	1297/32/119	1601/39/147	2408/40/151	1876/31/132
K9CT	32/8/18	232/23/75	699/33/115	1156/38/140	1888/37/140	1537/32/128
NQ4I	36/10/21	231/17/72	865/31/115	1071/37/138	1425/37/140	1521/30/128
NN0J	28/10/19	184/21/68	563/30/106	1165/37/131	1168/36/138	660/33/114
K4TCG	23/8/14	173/19/63	425/27/89	503/32/110	1146/35/109	1070/28/104

## USA MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
K3LR	466/19/61	841/27/99	2350/36/137	3353/39/174	3188/40/168	2260/34/147
W3LPL	275/14/42	750/26/99	1844/34/130	1931/39/158	3051/40/157	2001/34/140
WE3C	180/15/48	639/24/91	1222/33/123	2285/39/159	2491/40/153	1385/33/140
WK1Q	229/12/40	605/24/91	1021/27/110	916/38/145	1271/36/134	1230/30/124
W4RM	26/8/15	387/20/76	959/28/110	1405/36/132	1730/37/131	669/26/112

EC2DX put up a very nice score to finish first in Europe. Dennis, W1UE, was the top USA finisher and fifth overall.

## Single Operator Single Band

With the D4C contest station not fully ready for a multi-operator effort due to the reconstruction activities after Hurricane Fred (2015), two single-band entries were planned. Max, IZ4DPV, selected 10 meters and the callsign D4Z. Andrea, HB9DUR, joined Max on the trip with the intention of operating 20 meters. After two days of work trying to prevent interference from 20 meters to 10 meters, it was decided that Andrea would do 40 meters. The D4C mountaintop location is fantastic and resulted in two dominating first place scores.

No surprise that 10 meters was the most popular single-band entry category. It was nice to have plenty of room to spread out with signals from 28300 to above 28700. Marcelo, CX2DK, made a valiant effort in finishing in second place. The 10-meter scores dropped dramatically as you headed north. Jay, N4OX, had the top USA score on 10, with Don, K8MFO, close on his heels.

The top score on 15 meters was by Alexey, RA1A, testing out a new location in the Canary Islands as ED8X. It was tough going with the band packed from 21100 to the top. Pasi, OH6UM, made a last minute decision to switch from his usual 20-meter, single-band effort to 15 meters. Not only did he finish second in the world, he broke the Finland record (OH5BM, 1988) that had stood for 27 years! He ended up only 30K points from capturing the European record. Peter, KU2M, cruised to a dominant victory among USA scores.

The championship of 20 meters was between three Europeans: north, central, and south. The winner by a narrow margin was Pavel, OK4PA, operating as CR5C from the

QTH owned by OK1RF. Kristian, OZ5KF, operated OZ7X to second place over Mark, MØDXR, at G9W. All three managed to put in about 40 hours of operation. It was 10 extra country multipliers by CR5C that made the difference. Sigi, TF3CW, deserves an honorable mention for his fourth place score and for handing out the zone 40 multiplier.



Will, AA4NC, enjoying the pileups from Fernando de Noronha as PYØF/AA4NC. (Courtesy of AA4NC)



## EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
ES5TV	235/12/54	562/19/73	982/31/107	2243/36/127	3017/38/132	781/35/117
9A1P	146/9/55	320/14/66	832/26/92	1025/33/102	1354/35/103	2253/35/124
UW2M	97/8/44	411/15/65	1156/29/101	1140/35/107	2049/35/123	1544/33/108
4O3A	270/12/53	400/17/68	1246/28/100	1185/36/112	1508/35/126	1264/32/110
OE3K	177/8/46	567/14/62	1159/28/97	1003/28/91	1103/33/101	994/30/96

## EUROPE SINGLE OPERATOR ASSISTED ALL BAND

TM6M	148/11/49	606/19/86	1287/31/115	1601/34/131	1872/37/135	1543/36/151
OH0X	180/9/52	515/17/85	965/35/126	1572/38/149	2457/39/151	605/36/143
SO2O	116/9/53	174/19/82	1054/34/114	1144/37/124	1390/37/127	399/35/135
EU1A	39/6/30	129/13/58	1000/33/112	1069/37/125	1180/36/127	1034/36/140
DJ80G	115/9/52	419/17/83	354/34/111	1068/37/130	1068/37/130	711/37/143

## EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

E17M	102/11/52	597/17/88	1776/36/119	1804/38/146	2407/38/145	2037/36/151
IR4X	118/12/61	498/20/93	1486/37/127	1512/38/147	1809/38/148	1576/37/152
E7DX	84/10/56	631/24/99	1356/35/124	1429/38/151	2151/40/154	1918/36/156
RU1A	51/9/51	145/16/72	1243/35/127	2948/40/156	2552/40/150	602/35/144
OM7M	150/12/64	240/19/86	1607/37/133	1659/38/145	1600/39/151	1595/38/160

## EUROPE MULTI-OPERATOR TWO TRANSMITTER

ED1R	254/13/62	1108/22/98	1773/29/113	1769/38/150	2672/40/147	1984/37/142
HG1S	187/7/46	1113/20/90	1312/31/113	1619/38/145	2713/39/149	1672/36/150
PI4DX	261/10/53	1023/18/87	1288/35/116	1772/38/132	1525/38/135	2124/36/135
IB9T	302/11/60	833/19/84	1152/28/104	1997/38/149	1942/36/134	2150/38/156
HG7T	231/11/55	1125/26/97	1388/35/125	1299/37/144	1840/40/147	1551/39/152

## EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

DFHQ	688/10/61	1815/26/100	3186/38/141	3329/40/163	2002/40/161	1538/38/160
9A1A	983/16/72	1970/20/98	2477/34/128	3163/38/145	2958/40/149	1856/37/146
LZ9W	620/12/62	1683/31/110	2275/39/132	2979/38/146	2057/38/143	1767/36/149
OT5A	778/12/61	1490/17/75	2126/28/117	1802/39/133	2204/39/140	1582/34/141
C37N	442/9/54	1438/19/83	2355/27/104	2823/31/115	2119/27/107	1457/25/98

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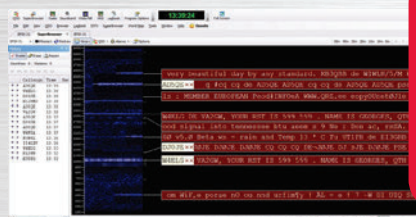


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Martti, OH2BH, operated on 75 meters as CR2X from his place in Madeira to a big lead over David, OK1DTP, as OK5D. Each made more than 1,600 QSOs on the band. The top USA score was by 75-meter regular Joe, AA1BU.

How can you operate from Italy and enjoy the extra QSO point advantage of being in Africa? Pantelleria Island is just across the continental boundary so it counts as a separate CQWW multiplier called African Italy. Gianfranco, IT9SPB, operated there as IH9A and finished far ahead of everyone on Top Band. Max, OZ4MD, was the top European. Scores were much lower in the USA where an east vs. west battle saw Ronald, W2VO, in western New York sneak ahead of Milt, N5IA, operating as N7GP in Arizona, by just 240 points!

## QRP

It takes a special kind of determination to enter the QRM of CQ WW SSB with only 5 watts. Scores were only about half of what they were in the previous two years reflecting the shorter openings on 10 meters. Ron, VE3VN, took the top score for the world followed closely by Pit, DK3WE. Both are regulars in the QRP category. Mike, RT4W, made over 1,100 contacts on his way to the top Assisted score.

## Overlay Categories

The Classic Overlay is open to single operator entries that use only one radio, no DX cluster, and counts only the first 24 hours of operation for the score. We had 856 Classic entries this year. The high-power winner was by Andy, AE6Y, vacationing in Aruba as P49Y. Andy explained his choice to focus on the Classic Overlay. "This year I was by myself, but the idea of celebrating one's 70th birthday (Sunday) alone is

bad enough without the concomitant hallucinations and fatigue that go with a full-blown effort in this contest." Giving part-time efforts a chance to compete is one of the main reasons for the Classic Overlay. Yuri, VE3DZ, did a full-time effort, but his first 24 hours were enough to win the low-power class.

The Rookie Overlay is for operators who have been licensed less than 3 years at the time of the contest. The 315 Rookie entries were the highest number ever and indicate a bright future for CQWW. There were two big scores in the high-power class with both licensed in September 2014. Valery, EW6W, finished ahead of 17-year-old Tucker, W4FS. It was a very close race on low power between Grecia, YY1YLY, in Venezuela and Wuyi, BG2CTX, in China. Grecia is a 19-year-old YL who has now won the Rookie category in both CQ WPX and CQ WW SSB! Wuyi has only had a ham radio license for 2 months. Keep an eye out for all of these great operators in the future!

## Multi-Ops

The most exciting multi-operator category was Two Transmitter. Six of the top 10 entries were contest expeditions. The top spot was a shootout between CN2R and CN3A in Morocco. CN2R won on the basis of a few more multipliers and lower error rate. PJ4Q was a combination of local and visiting operators who enjoyed the luxury of having a swimming pool included in the QTH. The guys at TO4K also enjoyed some relaxing time in their pool overlooking the Caribbean on their way to the top North American score.

While KC1XX won the USA title for multi-two, it was the spirited competition between K9CT and NQ4I that demonstrated how much fun it can be to use the cqcontest.ru live





## Pasternack Announces a New and Improved Version of The Cable Creator™

Pasternack has released an improved version of its popular online tool called The Cable Creator™. This new iteration allows users to not only design and customize special cable configurations online, but also purchase their designs without the need to wait for a quote from the company's sales team.

With a modernized look and feel, Pasternack's Cable Creator enables engineers and buyers to quickly and easily create customized RF cable assemblies that meet their specifications from any combination of compatible connectors and cables offered by the company. Designers can choose from over 1,300 connector types and 115 different coaxial cables to construct a cable solution for their specific applications. The Creator can also be used to locate any of the company's existing 40,000+ cable assemblies.

This new version of the Pasternack Cable Creator builds a unique product page on the fly, which provides customers a part number, pricing, a build-of-materials (BOM) datasheet, and the ability to enter the desired length of the assembly. The users can then add their special designs to the online shopping cart and purchase their assemblies like any other products. The engineer or buyer can then use the newly created part number to reorder the same assembly again in the future. You can use Pasternack's new Cable Creator™ at <http://www.pasternack.com/t-cable-creator.aspx>.

**Note:** "What's New" is not a product review and does not constitute a product endorsement by CQ. Information is primarily provided by manufacturers/vendors and has not necessarily been independently verified.



Ivo, 9A3A, operating from the well-equipped station of 4O3A in Montenegro. (Courtesy of 4O3A)

score reporting site. According to Craig, K9CT, "our team was totally focused on the horse race ... It was a marathon and neither team was ever in the lead or behind very long. I can tell you that it kept our team in the chair and chasing every multi and QSO possible."

The biggest score of the contest was by multi-multi entry CN2AA. This team of Russian contesters has perfected the logistics to assemble a large station at a beachfront hotel just for the contest. The antennas are grouped in three sites, all within a 400-meter circle; The Beach (sandy beach by the Atlantic Ocean), The Cliff (30-meter-high cliff above the ocean) and The Rock (50-meter-high hill near the ocean). There were 51,052 total QSOs logged by CN2R, CN3A, and CN2AA. No one should have missed the CN multiplier!

Second place in multi-multi went to K3LR, just ahead of HK1NA. The K3LR station had upgraded to new Icom IC-7851 radios at all RUN positions on the way to an 11<sup>th</sup> consecutive USA victory. DFØHQ was the top European score, only 1% ahead of 9A1A. This was the first time in many years that WØAIH was not entered in the multi-multi category.

The multi-single category has become the category of choice for intense competition among Russian teams using very sophisticated in-band run and multiplier station combinations. This year, the winning team was EF8R on the strength of fantastic QSO numbers on 40 and 10 meters. CR3A in second place showed that a traditional single run and multiplier station could still be competitive. EI7M overcame losing their 80-meter dipole three hours into the contest on their way to the top European score. As always, it was a close race for the top USA plaque with K6ND/1 finishing just a few points above K8AZ. FY5KE tried the multi-single low-power category and more than doubled the world record.

## Final Thoughts

Once again, the CQ WW Contest Committee pored over the logs and recordings to validate the results. In addition to the usual checking for transmissions out of band and unclaimed use of DX spotting assistance, we looked more closely into self-spotting. Spotting yourself or asking someone to spot you is prohibited by the rules. We detected a number of stations that were spotting themselves using other calls (sometimes fake calls) to hide their identity. We have developed new techniques to detect this and it resulted in 28 disqualifications. We ask everyone to please read the rules carefully and follow them.

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After many years of contributions by individuals, the cost of producing and mailing certificates is no longer viable. As a result, CQ magazine has decided it will no longer provide paper certificates. All entries that were received by the log deadline may download their own certificates in electronic form from the cqww.com website. It is easy to use this file to print your own certificate.

The CQ WW contest lost a close friend and supporter shortly after the contest when Rich, KL7RA, unexpectedly passed away. Rich had built multi-multi capable stations at three different locations in Alaska over the past 30 years. His call was the zone 1 multiplier in many logs. We will miss his sharp wit and passion for ham radio contesting.

Thanks to the many people who work behind the scenes to administer the CQ WW DX Contest. Log checking was

improved this year through the donation of a new server by the World Wide Radio Operators Foundation (WWROF). There is a small group of people who spend many hours of their time checking the logs and investigating suspected violations all with the goal of protecting the integrity of the competition.

We have added a new feature to the cqww.com website. You can now see the highest QSO rates by category and continent at <<http://www.cqww.com/rates/>>. Everyone loves high rates and it is fun to see how your best stacks up to others in your area.

We look forward to seeing everyone again later this year for the CQ WW DX SSB Contest on October 29-30, 2016. Full rules, all-time records, electronic certificates, and other information are available on the Web at <[www.cqww.com](http://www.cqww.com)>.

*(Continued on page 93 for scores)*

### **CQ WW SSB on the Web**

Quadcopter Overview of Signal Point PJ2T: <<https://youtu.be/vpGCzBwRcHY>>  
 The Story Behind VP5DX: <<http://www.nfdxa.com/CQWW%20@%20VP5DX.pdf>>  
 VK2GGC in CQWW 2015: <<https://youtu.be/1Mf8VIPyii8>>  
 ED9K Expedition (Spanish): <<https://www.facebook.com/ed9kTeam/videos/1134691346559622/>>  
 Highest QSO Rates in CQ WW: <<http://www.cqww.com/rates/>>  
 9K2HN CQWW SSB 2015 effort By 9K2ID: <<https://youtu.be/eQ-EtaX2eaU>>  
 Oscar Mery Seven Mery (OM7M): <<https://youtu.be/NJlkaODZoso>>  
 CQ WW DX Contest, SSB 2015 From Loma del Toro (HI3K): <<https://youtu.be/BLkvrQB8LbA>>  
 JH5GHM Running Stations at PJ4X: <<https://youtu.be/6nJWI1tUbWI>>  
 E2A CQ WW SSB CONTEST 2015: <<https://youtu.be/1GVREbMzVBI>>  
 IO9A CQ WW SSB 2015: <<https://youtu.be/hUVVWHK5Ezkw>>  
 CQWW SSB 2015 at SN7D: <<https://youtu.be/NQROOIGJTJc>>  
 RT4D team in CQWW 2015 Contest: <<https://youtu.be/UPriybuTNoU>>