# Results of the 2014 CQ WW DX SSB Contest 

# "Poor low-band conditions with a lot of noise. Fantastic high-band conditions, even with a few flares." - Doug K1DG 

BY RANDY THOMPSON*, K5ZD

The $67^{\text {th }}$ edition of the CQ World Wide DX Phone Contest enjoyed another year of great conditions and fun for everyone who turned on a radio. Whether you were chasing a record, a certificate, new countries, or just seeing if you could be heard on the other side of the world, CQWW offered plenty of memorable moments.
We received 8,283 log submissions for the contest. This is down about 200 from last year, but still the second highest ever. With $5,241,570$ contacts in the logs received, the log checking software took nearly an hour running in the Amazon EC2 cloud to do all of the cross checking and scoring required to create the

[^0]final results. Over $83 \%$ of all QSOs reported could be cross-checked against another log. You need no other proof of the communication skills of contesters and DXers than to see that an amazing $97.3 \%$ of those contacts successfully cross checked as being good.
How good was 10 meters? Well, at the peak of the Europe to North America opening each day, the band was filled shoulder to shoulder with stations from 28250 up to 29250 kHz ! With room to spread out and escape some of the QRM, DX contacts could be made even by the smallest stations. Over 2 million successful QSOs were recorded just on 10 meters. If only we had a full MHz of room to spread out on the other bands!
Did you notice the bands going completely silent for a few minutes during


A peek inside the operating position at U.S. Multi-Multi winner K3LR. (Courtesy of K3LR)
the contest? There were at least three solar flares during the weekend (several at X-class levels) leading to R2/R3 radio blackouts lasting from a few minutes to a few hours. More than one operator had to go outside and see if the antennas were still up after hearing a completely full band go eerily silent. The flares also increased the aurora and that caused the bands to close a bit earlier than we saw last year. The biggest complaints of poor propagation were from the Western U.S., where the poor polar paths limited the availability of European multipliers.
The high MUF that provided great 10meter conditions also caused higher absorption and lower activity on the low bands. It was slow going on 160 and 75 meters. Even 20 meters was fairly quiet during the daylight hours.
For those chasing $D X$, the CQ WW is simply the best. There were 223 DXCC entities found in the submitted logs. The rarest were single QSOs with Libya, Nepal, Pakistan, Ethiopia, and Côte d'Ivoire. Some of the fastest growth in contest activity is in Southeast Asia. It wasn't that long ago that China, Indonesia, Thailand, or India was considered a rare multiplier. Now take a look at the number of logs from those countries. It was a treat to have DXpeditions such as VU4KV, 5R8M, TX7G, TOOX, and VK9XSP spend some time in the contest. The most worked countries were Russia (215K), Japan (251K), Germany (310K), and the United States (1.1M). Logbook of the World and the QSL bureaus will be feeling the impact of this weekend for a long time to come.
Many contesters are in it for big rates. How many QSOs can they make in a single hour? Valery, R5GA, takes the public logs and calculates the highest rates over a 60-minute period and displays that information on his website at

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

World - Low Power
ZF2DX (Op: Kevin Stockton, N5DX) Donor: Slovenian Contest Club

World - QRP
VE3VN (Op: Ron Schwartz VE3VCF
Donor: Jeff Steinman, N5TJ
World - Assisted
Philippe Lutty, LX7I
Donor: Glenn Johnson, WØGJ
World - Assisted Low Power
Zlatko Maticic, 9A2EU
Donor: Gail Sheehan, K2RED

## U.S.A.

Doug Grant, K1DG
Donor: Potomac Valley Radio Club - KC8C Memorial
U.S.A. - Low Power*

Greg Chapoton, NA8V
Donor: North Coast Contesters
U.S.A. - QRP

Anthony Luscre, K8ZT
Donor: Pat Collins, N8VW
U.S.A. - Assisted

Charles D Fulp Jr, K3WW
Donor: John Rodgers, WE3C
U.S.A. - Assisted Low Power

Lyle K Ten Pas, WE9R
Donor: LA9Z/LN9Z Leia Contest Club
U.S.A. Zone 3

Bob Wolbert, K6XX
Donor: Dave Pruett, K8CC \& Greg Surma, K8GL
U.S.A. Zone 4

Michael J. Wetzel, W9RE
Donor: Dave Pruett, K8CC \& Greg Surma, K8GL

## Europe

GM5X (Op.: Keith Kerr, GM4YXI)
Donor: Potomac Valley Radio Club - W4BVV Memorial

Europe - Low Power
El1A (Op.: Olivier Vandenbalck, ON4EI) Donor: Tim Duffy, K3LR

## Europe - QRP

Mike Bulatov, RT4W
Donor: Steve "Sid" Caesar, NH7C

## Europe - Assisted

UW2M (Op.: Roman Tkachenko, UROMC)* Donor: Martin Huml, OL5Y

Europe - Assisted Low Power F4VPX (Op.: Filipe Monteiro Lopes, CT1ILT)*

Donor: Alex Goncharov, R3ZZ

## Africa

Arunas Vaglys, EA8/LY2IJ
Donor: Chris Terkla, N1XS
P3F (Op.: Mark Haynes, MODXR)
Donor: Nodir Tursun-Zade, EY8MM
Caribbean/Central America - High Power
YN5Z (Op.: Scott Tuthill, K7ZO)*
Donor: Alex M. Kasevich, 8R1A
Caribbean/Central America - Low Power
VP9I (Op.: Les Peters, N1SV)*
Donor: Albert Crespo, NH7A

## Oceania

KH6LC (Op.: Jim Neiger, N6TJ)
Donor: Barbara Yasson, AC7UH

South America
P4ØW (Op.: John Crovelli, W2GD)
Donor: Yankee Clipper Contest Club
VE2IM (Op.: Yuri Onipko, VE3DZ)
Donor: Contest Club Ontario - VE3WT Memorial

## Russia

RU9CZD (Op.: Marko Myllymaki, N5ZO)
Donor: Roman Thomas, RZ3AA
Japan - High Power
Masaki Masa Okano, JH4UYB
Donor: Rush Drake, W7RM, Memorial
Japan - Low Power
Haruki Ohtsubo, JH9URT
Donor: Western Washington DX Club
Southern Cone (CE CX LU) - Low Power
Mariano Elichagaray, LU7EC
Donor: LU Contest Group
ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU)
XW1IC (Op.: Champ Muangamphun, E21EIC) Donor: Bob Kupps, N6BK

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

SINGLE OPERATOR, SINGLE BAND
World - 28 MHz
ZD8X (Op.: Jorma S. Saloranta, OH2KI)
Donor: Joel Chalmers, KG6DX
World - 21 MHz
TO2A (Op.: Rich Smith, N6KT)
Donor: Robert Naumann, W5OV

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\text { World - } 14 \text { MHz }
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CW5W (Op.: Jorge Diez, CX6VM)
Donor: North Jersey DX Assn. - K2HLB Memorial

## World - 7 MHz

VY2RX (Op.: Patrick W. Briggs, KK6ZM)
Donor: Fred Laun, K3ZO - K7ZZ Memorial
World - 3.7 MHz
Omari Odoshashvili, 4L5O
Donor: Fred Capossela, K6SSS
World - 1.8 MHz
OK1W (Op.: Karel Javorka, OK2WM)
Donor: Martin Monsalvo, LU5DX \&
Carlos Monsalvo, LU6EBY - LU8DQ Memorial
U.S.A. - 28 MHz

Zeljko Repic, K2SSS
Donor: Donald Thomas, N6DT
U.S.A. - 21 MHz

Daniel Handa, W7WA
Donor: 11PM Dayton Pizza Gang
U.S.A. - 14 MHz

Victor Walz, N2PP
Donor: Yankee Clipper Contest Club - KC1F Memorial
U.S.A. - 7 MHz

W4AAA (Op.: John Bayne KK9A)
Donor: Stanley Cohen, W8QDQ

> U.S.A. - 3.7 MHz

John Lawrence, W1QS
Donor: John Rodgers, WE3C

> U.S.A. - 1.8 MHz

Ronald McClain, W2VO
Donor: Glenn Johnson, WØGJ
Europe - 28 MHz
GW9T (Op.: Steve Redmond, MWØZZK)
Donor: John Rodgers, WE3C

Europe - 21 MHz
CR6T (Op.: Antonio Rui Sousa Santos, CT1ESV) Donor: Tine Brajnik, S5ØA

Europe - 14 MHz
Vladimir Aksenov, RW1A
Donor: Charles Wooten, NF4A
Europe -7 MHz
OK6W (Op.: Pavel Prihoa, OK1MU)
Donor: Central Texas DX and Contest Club - NT5C Memorial

Europe - 3.7 MHz
M5B (Op.: Ian Pritchard, G3WVG)
Donor: Ted Demopoulos, KT1V
Europe - 1.8 MHz
Algirdas Uzdonas, LY7M*
Donor: Robert Kasca, S53R
Caribbean/Central America ( 28 MHz )
YS1/NP3J (Op.: Hirofumi Nakamura, JA6WFM)
Donor: Nate Moreschi, N4YDU

## Oceania ( 28 MHz )

VK6NC (Op.: Steve Kennedy VK6SJ)
Donor: Bruce D. Lee, KD6WW

## Asia (14 MHz)

4L8A, Vakhtang Mumladze
Donor: Dallas/Fort. Worth Contest Group - W5PG
Memorial
OVERLAY CATEGORIES
World - Classic
Steve Telenius-Lowe, PJ4DX
Donor: Pete Smith, N4ZR
U.S.A. - Classic

Larry Crim, K4AB
Donor: Tom Horton, K5IID
World - Rookie
Alberto Varela Lage, EA1IQM
Donor: Tim Duffy, K3LR - N8SM Memorial
U.S.A. - Rookie

Walter Haumesser, KA4SFD
Donor: Tim Duffy, K3LR - K3TUP Memorial

MULTI-OPERATOR, SINGLE-TRANSMITTER World
CN2AA (Ops: UA3ASZ, RA3CO, R3FA, RX3APM,
UA2FB, UA2FF, RN2FA, RV3MA, RK4FD, RO4F,
RK4FW, RA9USU, R3DCX, RO6L, RT4RO, RK3AD,
RW7K, RG6G, RC6U, RK7A, RL3FT)
Donor: So. Calif. DX Club - W6AM Memorial

## World - Low Power

IO9Y (Ops: EA4AK, PD1RP, R3XX, HB90CR, S59M,
S57DX, S57UN, S53T, S57XX, S53Z, S50O)
Donor: World Wide Radio Operators Foundation
(WWROF)
U.S.A.

K1LZ (Ops: K1LZ, K1XM, W1UE, K3JO, SP4Z, K6ND)
Donor: Carolina DX Association
U.S.A. - Low Power

NM1C (Ops: NM1C, KB1YJI, KC1AHT, N1REK)
Donor: World Wide Radio Operators Foundation (WWROF)

Africa
CN2R (Ops: 3V8SS/KF5EYY, EA8RM, EA9LZ, 14UFH, HB9DUR, W7ZR, W7EJ)*

Donor: Doc Sayre, W7EW
Asia
P33W (Ops: 5B4AIF, LY4AAA, LZ3FN, UA4FER,
RW4WR, RA3AUU)
Donor: Edward L. Campbell, NX7TT - AA6BB and KA6V Memorial

## Europe

403A (Ops: 403A, 404A, 9A1TT, 9A3A, E77DX, ES2MC, ES2NA, ES5RY, ES5TV, ES7GM, UA3AB YU1EA, YU1YV, E77W, 409TT, 4O9IT, 4O6Z)

Donor: Bob Cox, K3EST

## Oceania

AH2R (Ops: JI3ERV, JR7OMD, JG3RPL, JH7QXJ, JE8KKX, JA3XOG)
Donor: Junichi Tanaka, JH4RHF

## South America

PJ2T (Ops: KG2A, W0CG, W3ACO, DK3DM, DL8OBQ)
Donor: Victor Burns, KI6IM - The Cuba Libra Contest Club

Caribbean/Central America VP5DX (Ops: N4KE, N4EPD, NU4Y) Donor: Bob Raymond, WA1Z

## Japan

JA7ZFN (Ops: JA7AKW, JH7XMO, JP7DFI, JP7DKQ, JR7TEQ)
Donor: Arizona Outlaws Contest Club
ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) YE2A (Ops.: YB2DX, YB2LSR, YB2TJV, YB2WBF, YC2FAJ)
Donor: Bob Kupps, N6BK

MULTI-OPERATOR, TWO-TRANSMITTERS World
CN3A (Ops: IK2QEI, IK2SGC, IZ1LBG, CN8WW, 9A6A, S56A, JK3GAD)
Donor: Array Solutions
U.S.A.

K9CT (Ops: KB90WD, KU5B, K9MU, KB9UWU, K9QQ, K3WA, K9CT, NQ6N)
Donor: Kimo Chun, KH7U \& Mike Gibson, KH6ND Dan Robbins, KL7Y Memorial

## Europe

TM6M (Ops: F1AKK, F4DXW, F4FFZ, F5TTU, F8CMF, F8DBF)
Donor: Aki Nagi, JA5DQH
MULTI-OPERATOR, MULTI-TRANSMITTER World
HK1NA (Ops: AD4Z, HJ1FAR, HK1R, HK1T, HK1X, HK3TK, HK6F, K1CC, K1MM, K1XX, KM3T, LU8EOT, LU9ESD, LW1DTZ, LW9EOC) Donor: Dave Leeson, W6NL \& Barb Leeson, K6BL

## U.S.A.

K3LR (Ops: K3LR, DL1QQ, K1AR, K3LA, K3UA, LU7DW, N2IC, N2NT, N2NC, N3GJ, N5UM, W2RQ, W5OV, WM2H)
Donor: Jim Lawson, W2PV Memorial

## Europe

II9P (Ops: IK8HJC, IT9AUG, IT9BUN, IT9CHU, IT9CJC, IT9DBF, IT9EQO, IT9GSF, IV3SDE, IV3TMV, IV3YYK, IZ4DPV, IZ4ZAW, IZ6TSA, IZ8EPY, IZ8JAI, LY5W, RC0F, VE3LA, W2RE, WW2DX)
Donor: Finnish Amateur Radio League

## Oceania

VK9LM (Ops: DB6JG, DF6JC, DF7TH, DJ5IW, DJ7EO, DJ9RR, DL1MGB, DL3DXX, DL5CW, DL5LYM, DL6FBL, DL6MHW, DL8OH, DL8WPX, SP5XVY, VK2IA)
Donor: Tack Kumagai, JE1CKA JR2GMC and JA9SSY Memorial

CONTEST EXPEDITIONS World Single Operator TK9R (Op.: Salvatore Farina, IK8UND) Donor: National Capitol DX Association - Stuart Meyer, W2GHK Memorial

World Multi-Op
EA6/GMOEGI (Ops: MMOGPZ, GMORLZ, GMOLIR, GMOEGI, MMOOKG)
Donor: Gail Sheehan, K2RED
*Awarded to second place finisher

Oli, DJ9AO, and Thea, DJ1TH, operating the 40 meter position at DFOHQ. (Courtesy of DL5ANT)


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Eddie, AE7AE, worked several hundred QSOs on 10 meters using this mini-beam that is only 12-feet high.
(Courtesy of AE7AE)
[http://rate.r5ga.com/](http://rate.r5ga.com/). His results show that 8P5A made 396 contacts in the very first hour of the contest and TO2A had a best hour with 339 contacts. That is one contact about every 10 seconds. These guys can run.

## Single Operator All Bands

The winner of the Single Operator All Bands High Power category was Tom, W2SC, operating from 8P5A in Barbados. Tom may be the first person ever to hold the "grand slam" of single operator titles for ARRL DX Phone, WPX Phone, and CQ WW Phone in the same calendar year. Mark, MØDXR, visited P3F in Cyprus and had to QRT for 45 minutes due to a thunderstorm, survived a lightning strike to one tower, stayed awake for the full 48 hours, and was still able to take second place overall. Yuri, VE3DZ, drove 3,400 kilometers by himself to operate VE2IM and give out the zone 2 multiplier. Six of the top 10 world scores were from North America, two from Asia, and two from Europe. It was unusual not to have a top-level entry from Africa or South America. The top U.S. finisher was Doug, K1DG, operating from his oceanside location in Maine.
The Single Operator Assisted race saw Philippe, LX71, in Luxembourg just ahead of PX5E in Brazil operated by Sergio, PP5JR. Chas, K3WW, did his usual single operator "distracted" operation to finish first in the U.S., ahead of Randy, K5ZD/1.
The winner of the Single Operator Low Power All Bands category operated portable from the back seat of his car. Kevin, N5DX, recently took a job in the Cayman Islands and wanted to enjoy the DX experience. Not having a station at his home, he carried an all-band vertical to a house near the beach and set up operation from inside his car. Kevin is a tall


Nele, DN3CX, is 8 years old and enjoys the CQ WW Contest. (Courtesy of DL7CX)
guy so sitting in the cramped back seat was a real endurance test. You can read more about it at on his blog at [http://zf2dx.com/blog/cqww-ssb-soab-lp/](http://zf2dx.com/blog/cqww-ssb-soab-lp/). The European winner was also a portable operation set up just for the contest. Olivier, ON4EI, made his $20^{\text {th }}$ trip to Ireland, with caravan in tow, to operate El1A. He installs all of the antennas himself and runs the station completely on green energy. Greg, NA8V, was first in the U.S. from his home in Michigan, just ahead of Marv, N5AW, in Texas.
It was a three-way race for the World Single Operator Assisted Low Power category, all from Southern Europe. Zlatko, 9A2EU, finished ahead of Filipe, CT1ILT, at F4VPX. Filipe did achieve his goal of setting a new record for France. In spite of losing an antenna and amplifier due to a lightning strike two days before the contest, Charlie, HA4XH, managed to finish in third place from HA3DX. Lyle, WE9R, was tops from the U.S.

## Single Operator Single Band

It certainly comes as no surprise that 10 meters was the most popular single band category with 1,174 entries. The biggest score, with over 5,500 contacts, was by Jorma, OH2KI, operating from ZD8X on Ascension Island. The top Assisted 10meter entry was from Madeira Island. Helmut, DF7ZS, operated as CQ3L from the island home of DJ6QT. Three Assisted entries managed to work all 40 zones on 10 meters: OM2VL, S5ØK, and DL5L. The top country count was 165 by OM2VL.
Fifteen meters was a runaway with Rich, N6KT, piloting TO2A in Martinique to a healthy lead over fellow Californian Oliver, W6NV, operating as ZD8W. Madeira Island was also the winning spot for 15 meters Assisted with Carlo, IK1HJS, operating from CR3L for the win. None of the single operator 15 -meter entries was able to work all 40 zones. Zone 34 was the difficult one. The top country hunter was S57AW with 152.
Despite some difficult and very crowded band conditions, it was 20 meters that offered some of the best competition. There were four different continents in the top five scores. Jorge, CX6VM, used his contest call CW5W to achieve the victory. WRTC2010 champion Vlad, RW1A, used the big antennas of the RU1A club station near Saint Petersburg for second place. One of the antennas was a 12 -element Yagi on a 45 -meter long boom rising 60 meters in the air. That's

## CQ WW SSB On the Web

SN7D works USA on 21 MHz : [https://www.youtube.com/watch?v=SPNvqenJM98](https://www.youtube.com/watch?v=SPNvqenJM98) PJ4X multi-operator two-transmitter: [https://www.youtube.com/watch?v=3VaN6sM1UMU](https://www.youtube.com/watch?v=3VaN6sM1UMU)
YN5Z video tour: [http://vimeo.com/78274328](http://vimeo.com/78274328)
UB7K multi-multi from Crimea: [https://www.youtube.com/watch?v=QWNx4mt-wKE](https://www.youtube.com/watch?v=QWNx4mt-wKE)
El1Y: [http://youtu.be/8nadqdVV-9w](http://youtu.be/8nadqdVV-9w)
CE1TT: [https://www.youtube.com/watch?v=Zaqe3qy7H2Q](https://www.youtube.com/watch?v=Zaqe3qy7H2Q)
PA4PS: [https://www.youtube.com/watch?v=VfVTu1U2YIs](https://www.youtube.com/watch?v=VfVTu1U2YIs)
ROAEE: [http://youtu.be/uLPI0EOrkzQ](http://youtu.be/uLPI0EOrkzQ)
3G3W: [http://youtu.be/LeDkyNPOx1o](http://youtu.be/LeDkyNPOx1o)
9M2SE: [http://youtu.be/AllGJh-ajq0](http://youtu.be/AllGJh-ajq0)


Inside the U.S. winning Multi-Single entry of K1LZ. Front row: K1LZ, SP4Z, K6ND.
a big antenna! Andreas, 9Y4W, and Daniel, YV4NN, battled it out for top 20-meter Assisted score with Andreas just a few points ahead.

Forty meters SSB may no longer have international broadcast stations, but there was no shortage of big signals and QRM packed into 7050 to 7200 kHz . The World high score went to Patrick, KK6ZM, operating as VY2RX from the VY2ZM QTH. Pavel, OK1MU, operated OK6W for the full 48 hours to squeeze into second place. John, KK9A, was bothered by local power line noise on the high bands, so decided to try single-band 40 as W4AAA for the second year in a row. He didn't match his record score from 2013, but he did repeat as the U.S. champion. Luis, CT3DL, had 127 country multipliers and the top Assisted score.

There was no doubt about the winning score on 75 meters with Omari, 4L5O, well ahead of Ian, G3WVG, at M5B. John, W1QS, just got by Jim, K5RX, for the top U.S. score. We almost had a tie on 160 meters with Karel, OK2WM, at OK1W finishing just 524 points ahead of Algirdas, LY7M! Rookie 9A6TKS finished first among the Assisted entrants. No records were in any danger on 75 or 160 meters.
The Low Power single band winners all seemed to set some records. Didier, FY5FY, scored an impressive win on 10 meters and broke the world record set by 9G1BJ back in 1998. Second place finisher Pekka, EA8AH, also broke the old 10-meter standard and now holds the new African record.

After being ill for the week leading up to the contest, Ted, HI3TEJ, improved on his world record for 20 meters Low Power set last year. Efrain, YV5EPM, just got by the 40-meter South American record set last year by YW5T.

## QRP

The 342 QRP entries really benefited from the excellent highband conditions and extra room on 10 meters. The World high score was by Ron, VE3VN, who enjoyed a big run on 10 meters Sunday morning. The European race had RT4W over G4CWH. Asia saw JR4DAH edge ahead of JH1OGC. Anthony, K8ZT, and Bill, W6QU (op W8QZA), finished 1-2 for the U.S. OE2S operated by OE2VEL had the highest of all QRP scores to win the QRP Assisted category.

## Multi-Operator

CN2AA had a team of 21 operators arrive onsite to begin building a Multi-Unlimited entry. Unfortunately, 1,700 kilograms of cargo and antennas was delayed in shipment. The team decided to enter the Multi-One category and the result was a dominating victory, breaking the world record they set one year ago. A smaller team of just six operators finished second from P33W. A multi-national team of 17 operators drove 403A to the top score for Europe. Why so many operators for Multi-One? Because the state-of-the-art calls for multiple in-band stations to search for new QSOs at the same time as the main station is running. The team at K1LZ took the top spot for the U.S. ahead of N4WW and N3RS.
This year saw the introduction of a new Multi-One Low Power category. After a year of planning and 10 days of antenna building, the team at IO9Y on the island of Lampedusa (African Italy), was prepared for a full MultiUnlimited effort. On October 23, Hurricane Gonzalo passed over Lampedusa. According to HB9OCR, the hurricane "broke down the vertical inverted ' $V$ ' on 160 meters, the 4square on 80 meters, the 4 -square on 40 meters, the 3 elements on 40 meters, the 4 elements on 20 meters, two 4 -elements on 15 meters, and two 4-elements on 10 meters." A few antennas did survive, but it was a devastating blow. In true contest spirit, the team rallied and decided to enter the new Multi-One Low Power category. The result is a world high score and first record for the category.
The world winner for the Multi-Two category also came from Morocco. The winning team of CN3A, led by Stefano, IK2QEI, and Matteo, IK2SGC, arrived just 48 hours before the contest and managed to erect a new 30-meter-high tower and fill it with antennas before the contest. They made over 13,500 contacts from their growing station in the desert outside of Marrakech. Operating from an equally warm and arid climate, the team at PJ4X finished in second place. TM6M used their location in Western France to capture the top European score. The guys at K9CT in Illinois did a great job to take

2014 WW DX SSB CONTEST TOP SCORES

| WORLD | 3.7 MHz | 1.8 MHz | P33W ....................26,183,520 | 21 MHz | 7 MHz |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | DKØPO.......................42,340 | 9A6TKS .......................74,490 | CN2R.....................22,573,854 | W7WA....................1,034,778 | KØRF........................320,717 |
| SINGLE OPERATOR | SP1FPG......................40,950 | SP5LS .........................54,450 | PJ2T.....................18,236,898 | NW2K.......................717,490 | WA3C/8....................... 57,065 |
| HIGH POWER | YP7A ..........................40,425 | OK1T ..........................48,843 | P4ØS....................17,255,810 | W1WMU ....................483,280 |  |
| ALL BANDS | 1.8 MHz |  | 403A ...................17,140,334 | 14 MHz | SINGLE OPERATOR ASSISTED LOW POWER |
| FA (W2SC)..........14,960,299 |  | SINGLE OPERATOR ASSISTEDLOW POWERALL BANDS | EI7M ....................16,361,242 |  |  |
| 3F (MØDXR) .........11,969,925 | SQ9IAU ........................28,892 |  | UP2L....................16,273,125 | N2PP.......................468,944 | ALL BANDS |
| 2IM (VE3DZ) .........11,725,679 | SP5CJY .......................16,530 |  | IR4M ....................14,433,804 | KD8SQ .....................................70,956AI3Q....................... 50,184 | WE9R....................1,772,016 |
| [3AT (VE3AT)........10,974,080 | ER2RM...........................12,954 | 9A2EU ...................3,028,762 | 9K2HN...................14,261,037 |  | WT1A .............................1, 1, $1,596,716$ |
| DG.......................9,552,092 | SQ5GVY ......................12,397 | F4VPX (CT1ILT) .........2,801,838 |  |  |  |
| ØA (4L4WW) .........9,120,703 | SINGIE OPERATOR | $\text { НАЗХХ (НА4ХН) ....... } 2,679,880$ | MULTI-OPERATOR | 7 MHz | W3KB ......................1,451,880 |
| GM5X (GM4YXI) ........8,748,190 |  | VA3DF.................... $2,562,654$ | SINGLE TRANSMITTER |  | N5DO ........................1,416,576 |
| N1UR .....................7,842,070 | QRP | UW5Q (UR3QCW) ......2,511,597 | LOW POWER | N7AU........................................192 |  |
| TK9R (IK8UND)..........7,833,672 | ALL BANDS | YV8AD....................1,956,760 | 109Y.......................6,526,884 |  | 28 MHz |
| K1ZR .......................7,230,652 | VE3VN........................ 6 | RA3Y .......................1,947,060 | ED1B............................ $3,871,800$ |  |  |
|  | T4W ........................579,40 | WE9R | PW1A.........................3, 385,544 | 3.7 MHz | W2AW (N2GM) ............495,456 |
| 28 MHz | G4CWH ......................568,080 | G3VAO ....................1,694,604 | SZ1A ..............................1,450,449 |  | K1ZO ..........................385,112 |
| ZD8X (OH2KI) ...........2,885,872 | JR4DAH .....................546,798 |  | VE2BWL......................1, 104,753 | W1QS....................................8786 K5RX...................... 45,390 | K2MFY .........................317,850 |
| PX2B (PY2LED) .........2,264,722 | H1OGC ......................483,450 |  | EE9K .......................1,318,115 | W4QNW ......................18,600 | 21 MHz |
| VY2ZM (K1ZM) .........1,880,592 | CT1BXT ......................382,334 | 28 MHz | ZR9C ........................1,311,798 |  |  |
| GW9T (MWøZZK) .....1,384,452 | K8ZT .........................341,620 | EA8MT .....................1,495,296 | NM1C.....................1,271,403 | 1.8 MHz | N9TGR .......................251,378 |
| TMøT ......................1,350,696 | W6QU (W8QZA) ............338,500 | UK9AA........................865,596 | W3ZGD ....................1,143,436 | W2V0..........................2,640 |  |
|  | UX2MF......................338,181 |  | IR8T .................................807,564 |  | 14 MHz |
| 21 MHz | HSØZIA ......................261,324 | 21 MHz | MULTI-OPERATOR |  | N4IJ/5 .......................163,404 |
| T02A (N6KT)..... | 28 MHz |  |  | SINGLE OPERATOR |  |
| ZD8W (W6NV) ..........1,884,391 |  |  | TWO-TRANSMITTER |  | 7 MHz |
| CT9/R9DX ...............1,698,220 | EA50N........................472,926 |  | CN3A.....................33,760,860 | LOW POWER | KC8BNP/9 ......................6,118 |
| CR6T (CT1ESV).........1,434,752 | SP5DDJ..........................95,795 |  | PJ4X .........................25,982,620 | ALL BANDS |  |
| ES5RW.....................1,415,313 | КøТ।................................85,155 | YY4IVB.........................429,819 | TM6M ...................22,725,804 | NA8V...................... $2,825,55$ | Ingle operator assisted QRP ALL BANDS |
|  |  | 14 MHz | ED9K......................20,241,1 | N5AW. |  |
| 14 MHz | 21 MHz | IZ8EYP ...................... 4 | KP3Z .....................18,817,157 | N4TZ/9....................2, $2,374,768$ |  |
| CW5W (CX6VM) ........1,545,327 | ON4MW .....................104,424 | S520T .....................419,832 | ED1R | K2PO/7.........................291,864N6RV.......................980,271 | W9RPM......................256,371 |
| RW1A.....................1,488,906 | SP4LVK............................60,858 |  | OL4A .....................17,259 |  | W1TW......................119,196 |
| 4L8A ......................1,367,508 | YC2LEV ...............................49,302 | EE3K (EA3GHZ).............396,160 | A73A .......................14,661,270 | N6RV $\qquad$ .980,271 | KU4A..........................76,608 |
| CS2C (OK4PA) ..........1, 1 ,264,200 |  | WP3C...........................423,774OK1UG....................117,180USØHZ....................88,374 |  | 8 MHz |  |
| VB7C (VA7RR) ..........1,208,429 | 14 MHz |  | АНØВT ..................13,197,699 | M/6 .................197,284 |  |
| OE6Z (0E6MBG) ........1,180,725 |  |  |  |  | NØACW ...........................11,523 |
|  |  |  | MULTI-OPERATOR | N1WRK ........................196,500 | 28 MHZ |
| $\begin{aligned} & 7 \text { MHz } \\ & \text { VY2RX (KK6ZM) .........899,886 } \end{aligned}$ | IZ1ANK.........................61,288II5E (IZZZCO)............. 54,432 |  |  |  | NØUR..........................15,730 |
|  |  | CIOHX 3.7 MHz ${ }^{\text {a }}$, | HK1NA ..................43,577,4 | MHz | 14 MHZ |
| OK6W (OK1MU)...........608,814 | 7 MHz | EI9HX........................196,758 | .R.. |  |  |
| W4AAA (KK9A) .............594,658 | EA2QU..........................18,216 | OK2BXE.......................62,088 YT2AAA | II9P .........................23,025,222VK9M |  | WB4OMM .......................34,680 |
| TM7G (F4ARU) ..............536,312 | IV3UTV...................................10,285 | YT2AAA......................47,448 |  | KX2S/3........................143,344KB1HNZ .................. 134,310 |  |
| RNØCT ........................443,768 | JH1APZ.........................5,206 | 1.8 MHz | A71CO....................22,349,560 |  | MULTI-OPERATOR SINGLE TRANSMITTER HIGH POWER |
| 3.7 MHz |  | 1.8 MHz | DFØHQ ........................20,310,745 | 14 MHz |  |
|  | 3.7 MHz | 9A9J (9A7ZZ).........................11,270 | LZ9W ..........................19,097,437 |  |  |
| 4L50 .........................267,090 | SQ8MFB.....................10,045 |  | WE3C .....................17,468,587KH7X$17,432,735$ | K7KU (KøKR)...............171,108 |  |
| M5B (G3WVG) ..............202,570 | OL4W...................................................................... | 0L6P (OK2PP) ..................7,980 |  | N4DL...........................111,752 | K1LZ ......................13,771,733 |
| PA9M .........................171,306 |  | SINGLE OPERATOR ASSISTED QRP ALL BANDS | $\begin{aligned} & \text { KH7XX......................17,432,735 } \\ & \text { KL7RA.................16,779,168 } \end{aligned}$ | W8GOC ........................44,649 | N4WW....................8,261,172 |
| YT4A (YT1AA) .............166,176 | PAØAWH $\qquad$ 7,178$1.8 \mathrm{MHz}$ |  |  |  | N3RS. .7,891,478.. |
| OK5D..........................162,640 |  |  |  | 7 MHz | NV9L...........................127,832 |
|  |  |  | ROOKIE HIGH POWER | KR1A (KL7JT) ...........................027 |  |
| $\begin{gathered} 1.8 \mathrm{MHz} \\ \text { OK1W (OK2WM) ............67,640 } \end{gathered}$ |  | $\text { OE2S (OE2VEL)............. } 969,140$ | VE3CKO....................789,264 |  | MULTI-OPERATOR SINGLE TRANSMITTER LOW POWER |
|  | 9A7ZZ ............................................824 | OH2BV .............................781,140 | 505R.................................. 509,640 |  |  |
| LY7M ..........................67,116 | SINGLE OPERATOR ASSISTED HIGH POWER ALL BANDS | II3W (IIVFJ)..................616,590  <br> BD9XE...................515,034  <br> HG6C (HA6IAM) 507,224 |  |  |  |
| UT5UGR ....................... 53,406 |  |  | IT9DGG .........................349,830 | $\begin{aligned} & \text { LE OPER } \\ & \text { QRP } \end{aligned}$ |  |
| YUøT (YU1WS).................51,681 |  | HG6C (HA6IAM) ............507,224 |  | ALL BANDS | NM1C.....................1,271,403 |
| SP3GTS.......................27,520 | LX71 ......................10,613,400 | XE2JS ........................345,618 | ROOKIE LOW POWER | 8ZT .......................341,620 | W3ZGD ........................1,143,436 |
|  | PX5E (PP5JR)..........10, 193,476 |  | EA1IQM..................1,212,480 | W6QU (W8QZA) ...........338,500 | K3RCC.......................548,680 |
| SINGLE OPERATOR | VY2TT ....................8,906,331 |  | CS7AFP ..........................1,025,054 | NT4TS ...........................235,796 | WA1F/4 ..................... 525,708 |
| LOW POWER | UW2M (URØMC) ......7,717,842 |  | OH6ECM ..........................759,600 | KA8SMA............................233,800 | AB1GF.......................516,264 |
| ALL BANDS | HA8JV .....................7,506,603 |  | AK4QR ........................565,136 | KT8K ..........................189,532 |  |
| ZF2DX (N5DX) ..........7,071,729 | K3WW....................7,426,812 |  | EA4GJJ ...................... 507,928 | N1TM .......................184,140 | MULTI-OPERATOR |
| P4ØW (W2GD)..........6,615,990 | UW7LL.....................6,911,632 |  |  |  | TWO-TRANSMITTER |
| VP91 (N1SV).............4,125,100 | C45T .......................6,871,576 |  | LASSIC HIGH POWER | 28 MHz | K9СT ....................12,064,500 |
| EI1A (ON4EI).............2,988,908 | VE3RA......................6,775,416 | 5EWX....................166,136 | 4DX....................6,076,764 | KØT1.........................85,155 | NR3X/4 ...................9,824,266 |
| NA8V......................2,825,550 | K5ZD/1 .....................6,383,328 | 16,186 | -...................076 | WBØIWG.....................25,128 | K2LE/1 ...................7,995,780 |
| N5AW.....................2,724,455 |  |  | ( ${ }^{\text {B4 }}$ |  | KB1H......................7,793,328 |
| TC2BC (DL7BC) ......... $2,645,764$ | 28 |  | YT5A (YT3W) ............3,222,016 | 21 MHz | NØNI ......................7,167,849 |
| EA4KD.....................2,410,254 | CQ3L (DF7ZS) ...........2,682,977 |  | TC7V (M5RIC)............ $3,094,476$ | WFOT ............................1,081 |  |
| N4TZ/9 .................... $2,374,768$ | KC1XX....................1,880,013 | IKGEWJ........................ 154,608 |  | K2GMY/6......................... 532 | MULTI-OPERATOR |
| LU7EC .....................2,290,680 | LR1E (LW6DG) .........1,618,672 |  |  |  | MULTI-TRANSMITTER |
|  | OK7K (OK1BN) ...........1,597,407 |  | CLASSIC LOW POWER |  | K3LR....................33,378,413 |
| 28 MHz |  | 14 MHz | HA3NU ...................1,749,300 | SINGLE OPERATOR ASSISTED | W3LPL ....................27,194,496 |
| FY5FY.....................2,257,932 | 21 MHz | IZøFUW........................35,308 | YW5T (YV5JBI).........1,072,420 | HIGH POWER | KC1XX...................23,568,284 |
| ЕА8АН.......................1,779,712 | CR3L (IK1HJS)..........1,485,918 | WB40MM ..........................34,680 | EF80 (DJ10J) ...........1,001,127 | ALL BANDS | NQ41..........................12,410,959 |
| S79K (G4XUM) .........1,355,025 | S57AW ...................1,322,293 | K3TW/4 .............................22,320 | KT4ZB .........................888,000 | K3WW......................7,426,812 | W4RM..........................11,167,952 |
| (G4XUM) ..........1,355,02 | 9A5Y (9A7DX)...........1,305,848 |  | OT8T ...........................674,228 | K5ZD/1 ....................6,383,328 |  |
|  | DL2ARD ....................1,301,679 | 7 MHz |  | W3UA/1....................6,149,049 | ROOKIE HIGH POWER |
| G91IN.......................... 523,530 |  | IZ1POA.......................13,260 |  | AA3B ...................... $5,987,128$ | KA4SFD......................715,518 |
| OK2BXU ...........................342,188 | MH | IZ1DGG .......................10,653 | UNTED STATES | 5,826 | K5MXG......................196,602 |
| JF3BFS ................................291,004 | 9Y4W ......................1,821,968 | GA1J (MMØBQI) ..............9,328 | 和GLE OPERATOR |  | ND7J/4.......................173,232 |
|  | YV4NN ...................1,277,862 | LZ1DNY..........................9,230 |  | 28 MHz | KC9WAV .....................151,536 |
| 14 MHz | TM4L (F8ARK) ............956,743 |  |  | KC1XX.....................1,880,013 | W2AXR ......................71,060 |
| 3TEJ ....................1,166,562 | EA6URA (EA3AIR).........920,931 | 3.7 MHz | 9,552,092 | N4PN........................998,200 | ROOKIE LOW POWER |
| G9ANF.............................408,382 |  | E740 ..........................26,271 | RR ......................7,842,070 | N7DD ........................883,761 | AK4QR .......................565,136 |
| RZ90Q .............................299,250 | 7 MHz | IZ5M0Q..........................2,310 | ZR .....................7,230,652 | 21 MHz | AB3TM ......................438,165 |
| SP8IMG............................232,227 |  |  | K3CR (LZ4AX)...........7,222,147 | K3EST/6 .....................756,056 | KK4TXZ.....................405,020 |
| YV4AW............................216,583 | EF8S (OH2BYS) ...........885,938 | 1.8 MHz | W9RE.......................6,632,405 | KVØQ ........................442,888 | W3VYK.......................294,096 |
|  | CR2X (0H2BH).............745,200 | HA71 (HA7JTR) ..............13,608 |  | N5ZC ......................... 421,544 | KK4HEG ......................231,990 |
| 7 MHz |  |  | 28 MHz |  |  |
| EPM............... | 3.7 MHz | MULTI-OPERATOR | K2SSS....................1,252,520 | 14 MHz | CLASSIC HIGH POWER |
| (1).........................152,274 | IG9R (IK8HCG).............384,808 | SINGLE TRANSMITTER | KD4D/3 ..................1,147,185 | K6AW........................136,931 | K4AB ...................... $2,853,325$ |
| RUKY..........................152,274 | EB3CW .......................161,798 | HIGH POWER | NA5NN (N5BO) ..........1,097,041 | WR2G ........................107,880 | K3ZM/4 ....................2,852,137 |
|  | OK1WCF......................149,604 | CN2AA....................33,435,840 | W3BGN ...................1,063,972 | KG9Z/8........................91,392 | KøTT .......................1,528,300 |


EUROPE
SINGLE OPERATOR
HIGH POWER
ALL BANDS
GM5X (GM4YXI) GM5X (GM4YXI) .......8,748,190 TK9R (IK8UND) ............7,833,672
SN7Q (SP7GIQ) .......6,981,650 LY7Z ......................5,472,727
OHØV (OH6LI) .........4,840,800 28 MHz
GW9T (MWØZZK) ......1,384,452
TMØT .........................350,696
M6T (GØAEV)............896,100
RL3A (RV1AW) ..........895,112

|  | UA1AQA ......................136,875 |
| :---: | :---: |
| 21 MHz | SQ7NSN ......................133,500 |
| CR6T (CT1ESV).........1,434,752 |  |
| ES5RW....................1,415,313 | 7 MHz |
| S5ØA......................1,021,680 | RC7KY........................152,274 |
| E77A .........................969,789 | LY80 ..........................147,132 |
| S51TA ........................940,496 | ISØGRB........................64,080 |
| 14 MHz | 3.7 MHz |
| RW1A......................1,488,906 | DKØPO .........................42,340 |
| CS2C (OK4PA) ..........1,264,200 | SP1FPG........................40,950 |
| OE6Z (OE6MBG) .......1,180,725 | YP7A ............................40,425 |
| GW4BLE..................1,149,294 |  |
|  | 1.8 MHz |
| 7 MHz | SQ9IAU ........................28,892 |
| OK6W (OK1MU)...........608,814 | SP5CJY ........................16,530 |
| TM7G (F4ARU).............536,312 | ER2RM.........................12,954 |
| $\text { 9A2L (9A2VJ)............... } 358,791$ | SQ5GVY .......................12,397 |
| M5B (G3WVG) .............202,570 | SINGLE OPERATOR |
| PA9M .........................171,306 | QRP |
| YT4A (YT1AA) ..............166,176 | ALL BANDS |
| OK5D..........................162,640 | RT4W .........................579,405 |
|  | G4CWH ......................568,080 |
| 1.8 MHz | CT1BXT .......................382,334 |
| OK1W (OK2WM) ............67,640 | UX2MF .......................338,181 |
| LY7M ...........................67,116 | IZ5JLF........................255,302 |



1.8 MHz
EU2EU........................12,502
9A9J (9A7ZZ).......................270
OL6P (OK2PP) ..............980
SINGLE OPERATOR ASSISTED
QRP
ALL BANDS OE2S (OE2VEL)..............969,140
OH2BV ......................781,140 OH2BV .............................781,140 HG6C (HA6IAM) ..............507,224 OK1K (OK1XOE) ............315,732
28 MHz
SP5EWX........................166,136 SP5EWX................................166,136
IZ8GNR .........................760
MIØLLG..................528

|  | 21 MHz |
| :---: | :---: |
| EA2EA | .......204,600 |
| IK6FW | .......154,128 |
| F1EBN | ......103,939 |


| 14 MHz |
| :--- |
| IZØFUW.........................35,308 |
| IK7FPX ........................4,644 |


| 7 MHz |  |
| :---: | :---: |
| IZ1P0A. | .13,260 |
| IZ1DGG | .10,653 |
| GA1J (MMØBQI) | .....9,328 |
| LZ1DNY. | ..9,230 |
| 1.8 MHz |  |
| HA7I (HA7JTR) .... | ...13,608 |


| MULTI-OPERATOR |  |
| :---: | :---: |
| SINGLE TRANSMITTER |  |
| HIGH POWER |  |
| 403A | .17,140,334 |
| E17M | .16,361,242 |
| IR4M | .14,433,804 |
| 9A1P | ..14,161,698 |
| 9A7A | ..13,397,823 |
| MULTI-OPERATOR SINGLE TRANSMITTER LOW POWER |  |
|  |  |
|  |  |
| ED1B | ..3,871,800 |
| SZ1A | ...1,450,449 |
| IR8T. | .....807,564 |
| F8KGS | ......610,827 |
| 3Z1K | .......604,232 |

MULTI-OPERATOR
MULTI-TRANSMITTER
II9P ..........................23,025,222
DFØHQ ..................20,310,745
LZ9W .................19,097,437
OT5A ...................16,252,581
SK3W .......................15,008,641

| ROOKIE HIGH POWER <br> ROOKIE LOW POWER |
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## YT5A (YT3W) .............3,222,016

 MD2C (MDØCCE) .......2,226,538 LX1NO .....................2,157,308 OG1M (OH1VR) ..........1,169,304| CLASSIC LOW POWER |  |
| :---: | :---: |
| HA3NU | 1,749,300 |
| OT8T | .674,228 |
| UA3BL. | .587,664 |
| Z35BY. | .570,615 |
| EA3NN. | .543,510 |

home the U.S. trophy from the Midwest. They even worked FK8CP on 6 meters during the contest (no, it doesn't count for their score, but is still great DX).
The Multi-Unlimited category has a special allure for those who want to see just what DX is possible on every band in 48 hours. A few years ago, a group started building a station at the farm of Jorge, HK1R. The soil must be very good for growing towers because they now have big antennas on every band and a callsign that everyone recognizes HK1NA. In spite of complete radio blackouts during the flares, a few short power failures, and loss of their Internet connection for a while, the operators at HK1NA still took first place for the category. Another station with a callsign that is recognized worldwide is K3LR in western Pennsylvania. Tim and his fine crew of guest operators once again were tops in the U.S. for the $10^{\text {th }}$ consecutive year.

## Overlay

The second year of the Overlay categories showed increased participation and provided some interesting competition. There were 280 entries in the Rookie Overlay. Licensed less than three years and with many of them less than 20 years old, these are the next generation of contesters to keep an eye on. The Classic category had 716 entries. With its 24hour time limit, Classic provides a competitive outlet for those juggling other aspects of family or work life.
The world high Rookie score went to Berto, EA1IQM, who was first licensed just a few months before the contest in

August 2014. He was followed closely by Filipe, CS7AFP. Both Berto and Filipe were running low power. On high power, it was Mike, VE3CKO, just ahead of Walter, KA4SFD. Congratulations to all of the Rookie operators that waded into the deep end of the CQWW pool.
The Classic category only counts the first 24 hours of operation for the Overlay score. This allows full time expeditions


Oli, DJ9AO, and Thea, DJ1TH, operating the 40-meter position at DFOHQ. (Courtesy of DL5ANT)
to compete with those who carefully pick and choose their operating times throughout the weekend. Steve, PJ4DX, earned the top spot by operating just 24 hours. Second place went to Yuri, VE3DZ, operating as VE2IM. Yuri operated most of the first 24 hours on his way to 42 hours of total operation. On low power, Laszlo, HA3NU, put together a winning 24hour score.
The top U.S. Classic High Power score came down to log checking between Larry, K4AB, and Peter, K3ZM/4. Both operated exactly 24 hours sporting very high quality logs with nearly identical score reductions. Peter had 64 more contacts, but it was 14 more multipliers that earned Larry the vic-
tory. On Low Power, it was Jere, KT4ZB, with a superb 24hour effort.

## Final Thoughts

There continues to be some confusion around the distinction between the Single Operator and Single Operator Assisted categories. If you use the DX Cluster or any other tools to locate stations to work, you are in the Assisted category. We sent out 70 emails asking entrants to confirm their category. Twenty asked us to correct their category to Assisted. The remainder were subject to some intense detective work by the CQ WW Committee and a number of them were dis-

# 2014 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 | 89/8/16 | 297/16/46 | 1113/25/90 | 2229/35/112 | 2352/32/113 | 3413/35/113 |
| P3F | 66/7/35 | 291/10/60 | 1389/18/85 | 1417/29/98 | 1546/33/101 | 2365/30/99 |
| VE2IM | 79/5/11 | 409/14/62 | 895/27/93 | 1406/35/113 | 1740/37/126 | 2092/31/119 |
| CG3AT | 166/8/14 | 543/17/57 | 838/25/83 | 1436/36/108 | 1358/36/109 | 2126/34/113 |
| K1DG | 97/11/38 | 278/15/60 | 321/20/79 | 841/37/112 | 1466/36/127 | 2039/31/116 |
| 4LØA | 96/5/35 | 246/9/45 | 1088/29/90 | 791/26/ 72 | 1428/28/91 | 2396/28/93 |
| GM5X | 245/9/46 | 567/13/67 | 680/26/89 | 1482/34/103 | 1588/34/107 | 2042/32/110 |
| N1UR | 43/9/24 | 454/13/66 | 389/23/77 | 767/34/99 | 1338/32/109 | 1648/28/103 |
| TK9R | 79/7/29 | 604/14/64 | 623/18/75 | 1199/26/101 | 1414/32/104 | 2347/31/115 |
| K12R | 7/4/7 | 307/14/63 | 379/22/78 | 576/28/89 | 1155/30/107 | 2013/28/102 |

WORLD SINGLE OPERATOR ASSISTED ALL BAND

| LX71 | 244/10/55 | 565/18/77 | 835/29/103 | 1113/35/122 | 1631/39/136 | 1607/37/137 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PX5E | 8/6/6 | 97/13/43 | 112/27/73 | 1160/37/115 | 1373/37/130 | 2742/37/138 |
| VY2TT | 25/8/10 | 301/10/54 | 479/23/82 | 1267/35/115 | 1339/36/124 | 1693/30/124 |
| UW2M | 87/8/38 | 188/17/74 | 978/33/102 | 623/35/131 | 1206/37/124 | 2210/38/144 |
| HA8JV | 245/9/50 | 582/17/69 | 988/29/97 | 747/33/112 | 863/36/120 | 1667/36/139 |
| K3WW | 30/10/20 | 217/17/69 | 187/24/76 | 978/36/121 | 523/32/114 | 2028/33/126 |
| UW7LL | 130/7/43 | 454/11/66 | 1028/25/97 | 1014/35/126 | 1448/36/128 | 1470/35/143 |
| C45T | 14/5/14 | 40/8/37 | 489/23/8 | 515/30/110 | 595/35/107 | 2198/35/136 |
| VE3RA | 107/7/6 | 234/16/54 | 262/26/83 | 496/37/116 | 1002/34/124 | 1596/36/138 |
| K5ZD/1 | 18/7/13 | 207/14/61 | 178/21/70 | 638/37/127 | 816/37/128 | 1433/31/126 |

USA TOP SINGLE OPERATOR ALL BAND

| Station | $\mathbf{1 6 0}$ | $\mathbf{8 0}$ | $\mathbf{4 0}$ | $\mathbf{2 0}$ | $\mathbf{1 5}$ | $\mathbf{1 0}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| K1DG | $97 / 11 / 38$ | $278 / 15 / 60$ | $321 / 20 / 79$ | $841 / 37 / 112$ | $1466 / 36 / 127$ | $2039 / 31 / 116$ |
| N1UR | $43 / 9 / 24$ | $454 / 13 / 66$ | $389 / 23 / 77$ | $767 / 34 / 99$ | $1338 / 32 / 109$ | $1648 / 28 / 103$ |
| K1ZR | $7 / 4 / 7$ | $307 / 14 / 63$ | $379 / 22 / 78$ | $576 / 28 / 89$ | $1155 / 30 / 107$ | $2013 / 28 / 102$ |
| K3CR | $17 / 9 / 10$ | $152 / 13 / 47$ | $354 / 23 / 78$ | $736 / 33 / 102$ | $1037 / 34 / 107$ | $1981 / 31 / 106$ |
| W9RE | $27 / 6 / 12$ | $130 / 14 / 54$ | $523 / 24 / 72$ | $796 / 35 / 112$ | $1020 / 33 / 109$ | $1512 / 30 / 110$ |
| N9RV/7 | $12 / 7 / 7$ | $97 / 14 / 25$ | $805 / 25 / 75$ | $622 / 36 / 94$ | $1164 / 36 / 106$ | $1054 / 31 / 91$ |
| K5TR | $23 / 8 / 15$ | $59 / 15 / 31$ | $638 / 27 / 76$ | $341 / 32 / 92$ | $823 / 29 / 94$ | $1774 / 32 / 115$ |
| K3Z0 | $2 / 1 / 2$ | $108 / 12 / 45$ | $334 / 19 / 68$ | $481 / 30 / 92$ | $677 / 31 / 93$ | $1282 / 26 / 96$ |
| NR5M | $10 / 6 / 8$ | $22 / 10 / 13$ | $579 / 26 / 68$ | $533 / 31 / 80$ | $907 / 34 / 90$ | $1092 / 29 / 95$ |
| K6XX | $7 / 6 / 5$ | $39 / 10 / 10$ | $691 / 28 / 53$ | $187 / 29 / 81$ | $698 / 35 / 94$ | $719 / 30 / 93$ |

USA SINGLE OPERATOR ASSISTED ALL BAND

| K3WW | 30/10/20 | 217/17/69 | 187/24/76 | 978/36/121 | 523/32/114 | 2028/33/126 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K5ZD/1 | 18/7/13 | 207/14/61 | 178/21/70 | 638/37/127 | 816/37/128 | 1433/31/126 |
| W3UA/1 | 22/7/15 | 210/16/66 | 339/24/82 | 573/38/123 | 467/34/114 | 1618/31/133 |
| ААЗВ | 22/8/14 | 192/14/56 | 233/21/74 | 436/35/112 | 708/33/118 | 1673/31/130 |
| K11R | 1/1/1 | 155/15/60 | 423/24/87 | 423/38/123 | 598/33/122 | 1458/33/125 |
| AB3CX/2 | 2/2/2 | 134/14/57 | 261/25/77 | 312/35/101 | 490/31/108 | 1754/32/128 |
| N2MM | 18/4/10 | 102/15/54 | 194/24/79 | 610/38/124 | 550/31/112 | 1212/33/134 |
| W1GD | 16/6/12 | 104/13/52 | 160/18/66 | 335/36/108 | 516/35/116 | 1220/31/128 |
| N3AD | 13/5/7 | 110/14/49 | 188/24/76 | 505/35/109 | 519/35/120 | 1050/31/126 |
| KG1E | 2/1/2 | 38/10/23 | 160/14/63 | 399/35/106 | 559/32/105 | 1534/31/121 |

USA MULTI-OPERATOR SINGLE TRANSMITTER

## WORLD MULTI-OPERATOR SINGLE TRANSMITTER

| CN2AA | $71 / 15 / 68$ | $551 / 24 / 92$ | $1771 / 34 / 117$ | $3092 / 37 / 146$ | $3040 / 39 / 155$ | $3946 / 38 / 163$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| P33W | $211 / 10 / 59$ | $348 / 13 / 69$ | $1403 / 35 / 112$ | $2199 / 38 / 145$ | $2673 / 39 / 149$ | $3862 / 38 / 157$ |
| CN2R | $104 / 11 / 47$ | $574 / 18 / 78$ | $1245 / 32 / 105$ | $1745 / 38 / 143$ | $1880 / 38 / 143$ | $3962 / 38 / 152$ |
| PJ2T | $37 / 7 / 15$ | $226 / 19 / 57$ | $1124 / 28 / 97$ | $1790 / 38 / 128$ | $2221 / 36 / 125$ | $3616 / 31 / 128$ |
| P4OS | $21 / 8 / 17$ | $238 / 18 / 57$ | $1373 / 29 / 98$ | $1520 / 38 / 129$ | $1975 / 35 / 123$ | $3330 / 34 / 129$ |
| 4O3A | $163 / 13 / 65$ | $517 / 20 / 81$ | $1783 / 36 / 119$ | $2087 / 37 / 148$ | $2220 / 38 / 143$ | $2781 / 39 / 160$ |
| EI7M | $54 / 11 / 54$ | $412 / 16 / 77$ | $1740 / 30 / 106$ | $1105 / 36 / 130$ | $1900 / 37 / 136$ | $3668 / 36 / 148$ |
| UP2L | $159 / 9 / 46$ | $586 / 13 / 68$ | $1387 / 28 / 102$ | $1958 / 38 / 142$ | $1562 / 38 / 133$ | $1928 / 36 / 136$ |
| IR4M | $89 / 11 / 63$ | $267 / 17 / 79$ | $1132 / 33 / 109$ | $2157 / 36 / 144$ | $1904 / 39 / 139$ | $1813 / 38 / 153$ |
| 9K2HN | $17 / 4 / 12$ | $389 / 13 / 63$ | $1312 / 26 / 88$ | $1326 / 35 / 125$ | $1915 / 37 / 120$ | $2565 / 34 / 122$ |

WORLD MULTI-OPERATOR TWO TRANSMITTER

| CN3A | $235 / 13 / 54$ | $758 / 18 / 80$ | $1765 / 29 / 105$ | $3131 / 39 / 147$ | $2986 / 39 / 143$ | $4696 / 39 / 162$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| PJ4X | $124 / 9 / 23$ | $505 / 20 / 60$ | $1587 / 28 / 102$ | $2167 / 37 / 127$ | $3530 / 35 / 133$ | $4219 / 35 / 136$ |
| TM6M | $148 / 11 / 43$ | $717 / 18 / 85$ | $1456 / 32 / 111$ | $2296 / 36 / 147$ | $3274 / 39 / 149$ | $3494 / 39 / 157$ |
| ED9K | $41 / 6 / 21$ | $498 / 14 / 61$ | $914 / 18 / 81$ | $2568 / 36 / 125$ | $2647 / 38 / 122$ | $3553 / 38 / 133$ |
| KP3Z | $51 / 7 / 17$ | $336 / 16 / 61$ | $1629 / 29 / 102$ | $2376 / 39 / 132$ | $2831 / 38 / 131$ | $3834 / 35 / 132$ |
| ED1R | $168 / 12 / 56$ | $661 / 18 / 79$ | $1813 / 34 / 115$ | $1740 / 37 / 134$ | $2863 / 37 / 135$ | $2946 / 38 / 146$ |
| OL4A | $343 / 11 / 61$ | $821 / 19 / 75$ | $1703 / 34 / 116$ | $2688 / 38 / 153$ | $1786 / 38 / 152$ | $2105 / 39 / 153$ |
| A73A | $22 / 7 / 17$ | $303 / 16 / 61$ | $1162 / 23 / 87$ | $1544 / 34 / 127$ | $2173 / 38 / 122$ | $2510 / 38 / 132$ |
| IB9T | $77 / 6 / 46$ | $598 / 16 / 71$ | $1189 / 27 / 98$ | $2223 / 37 / 141$ | $2123 / 38 / 130$ | $3034 / 38 / 149$ |
| AHØBT | $1 / 1 / 1$ | $112 / 20 / 37$ | $796 / 29 / 78$ | $1227 / 33 / 108$ | $2190 / 36 / 117$ | $3168 / 34 / 125$ |

## WORLD MULTI-OPERATOR MULTI-TRANSMITTER

| HK1NA | $323 / 15 / 32$ | $907 / 23 / 89$ | $2615 / 35 / 120$ | $4323 / 38 / 148$ | $4340 / 38 / 151$ | $5048 / 36 / 145$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| K3LR | $413 / 15 / 46$ | $854 / 26 / 103$ | $2018 / 38 / 137$ | $2753 / 39 / 168$ | $3292 / 39 / 165$ | $3219 / 38 / 171$ |
| II9P | $640 / 13 / 67$ | $1295 / 20 / 86$ | $1709 / 29 / 101$ | $3011 / 38 / 149$ | $3381 / 39 / 148$ | $4622 / 39 / 162$ |
| VK9LM | $17 / 4 / 5$ | $213 / 23 / 45$ | $1543 / 31 / 97$ | $3656 / 38 / 153$ | $2927 / 37 / 139$ | $2890 / 31 / 117$ |
| A71CO | $23 / 5 / 18$ | $675 / 21 / 74$ | $1568 / 28 / 99$ | $2300 / 39 / 142$ | $2732 / 38 / 134$ | $3466 / 38 / 146$ |
| DFØHQ | $775 / 11 / 61$ | $1779 / 21 / 89$ | $2779 / 34 / 132$ | $3010 / 39 / 154$ | $2010 / 38 / 145$ | $1981 / 39 / 148$ |
| LZ9W | $628 / 10 / 64$ | $1425 / 22 / 87$ | $2546 / 34 / 119$ | $3246 / 37 / 148$ | $2723 / 39 / 141$ | $2403 / 36 / 144$ |
| WE3C | $83 / 14 / 37$ | $415 / 24 / 88$ | $859 / 26 / 104$ | $1797 / 39 / 150$ | $2344 / 39 / 151$ | $2276 / 35 / 146$ |
| KH7XX | $60 / 8 / 9$ | $335 / 16 / 28$ | $1229 / 35 / 80$ | $1899 / 37 / 125$ | $2755 / 37 / 131$ | $3438 / 34 / 89$ |
| KL7RA | $37 / 5 / 4$ | $184 / 14 / 20$ | $1439 / 32 / 81$ | $2671 / 37 / 134$ | $3723 / 35 / 127$ | $2778 / 37 / 130$ |

qualified. We also found stations self-spotting and transmitting with more than one signal at a time. Band change rules for MS and M2 categories are also very closely checked. Fair play and following the rules make the game and the results much more meaningful for everyone.
We also noticed an increasing trend of stations in ITU Region 1 (Europe and Africa, ed.) transmitting above 7200 kHz. We used the SDR recordings to identify 100 stations that transmitted outside the amateur radio band for their region. Many were single incidents, likely due to hyperactive chasing of DX Cluster spots, but some were found as many as 14 times. We removed these out of band QSOs and issued warnings for this

EUROPE TOP SINGLE OPERATOR ALL BAND

| Station | $\mathbf{1 6 0}$ | $\mathbf{8 0}$ | $\mathbf{4 0}$ | $\mathbf{2 0}$ | $\mathbf{1 5}$ | $\mathbf{1 0}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| GM5X | $245 / 9 / 46$ | $567 / 13 / 67$ | $680 / 26 / 89$ | $1482 / 34 / 103$ | $1588 / 34 / 107$ | $2042 / 32 / 110$ |
| TK9R | $79 / 7 / 29$ | $604 / 14 / 64$ | $623 / 18 / 75$ | $1199 / 26 / 101$ | $1414 / 32 / 104$ | $2347 / 31 / 115$ |
| SN7Q | $150 / 7 / 40$ | $241 / 9 / 49$ | $479 / 24 / 79$ | $1092 / 30 / 93$ | $1489 / 35 / 98$ | $1696 / 35 / 99$ |
| LY7Z | $158 / 7 / 39$ | $706 / 15 / 66$ | $723 / 24 / 93$ | $789 / 33 / 110$ | $855 / 33 / 109$ | $1174 / 37 / 123$ |
| OHØV | $158 / 9 / 41$ | $580 / 9 / 57$ | $754 / 24 / 78$ | $1030 / 33 / 88$ | $1055 / 32 / 95$ | $960 / 31 / 103$ |
| 9A4M | $124 / 8 / 46$ | $483 / 12 / 60$ | $745 / 24 / 80$ | $647 / 26 / 85$ | $441 / 27 / 84$ | $1744 / 36 / 112$ |
| YPØC | $148 / 7 / 37$ | $560 / 10 / 57$ | $1068 / 17 / 72$ | $1225 / 28 / 85$ | $1219 / 26 / 79$ | $1076 / 23 / 73$ |
| EI6JK | $94 / 7 / 34$ | $159 / 11 / 41$ | $328 / 15 / 58$ | $607 / 20 / 72$ | $985 / 26 / 82$ | $1359 / 26 / 97$ |
| TM2Y | $56 / 8 / 28$ | $200 / 11 / 55$ | $184 / 16 / 66$ | $700 / 27 / 86$ | $570 / 28 / 92$ | $1023 / 33 / 104$ |
| YT5A | $43 / 5 / 32$ | $146 / 8 / 47$ | $157 / 20 / 55$ | $354 / 25 / 62$ | $1010 / 32 / 88$ | $1387 / 30 / 97$ |
|  |  |  |  |  |  |  |

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

| LX71 | 244/10/55 | 565/18/77 | 835/29/103 | 1113/35/122 | 1631/39/136 | 1607/37/137 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| UW2M | 87/8/38 | 188/17/74 | 978/33/102 | 623/35/131 | 1206/37/124 | 2210/38/144 |
| HA8JV | 245/9/50 | 582/17/69 | 988/29/97 | 747/33/112 | 863/36/120 | 1667/36/139 |
| UW7LL | 130/7/43 | 454/11/66 | 1028/25/97 | 1014/35/126 | 1448/36/128 | 1470/35/143 |
| EU1A | 155/6/39 | 246/12/58 | 716/29/99 | 356/31/91 | 1080/37/116 | 1787/37/143 |
| TM7F | 72/7/32 | 408/12/54 | 240/17/66 | 837/30/99 | 1250/31/94 | 1645/35/107 |
| ON4IA | 46/4/22 | 59/11/44 | 255/23/73 | 1024/28/98 | 1196/35/113 | 1108/31/108 |
| R7AB | 16/4/12 | 180/13/59 | 596/26/98 | 841/34/116 | 798/36/115 | 1267/34/124 |
| IZ8EPX | 48/4/33 | 229/11/57 | 363/19/75 | 464/31/111 | 623/35/117 | 1718/37/133 |
| UW1M | 21/4/19 | 100/11/49 | 255/23/76 | 497/32/113 | 959/36/119 | 1401/35/126 |

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

| 403A | 163/13/65 | 517/20/81 | 1783/36/119 | 2087/37/148 | 2220/38/143 | 2781/39/160 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EI7M | 54/11/54 | 412/16/77 | 1740/30/106 | 1105/36/130 | 1900/37/136 | 3668/36/148 |
| IR4M | 89/11/63 | 267/17/79 | 1132/33/109 | 2157/36/144 | 1904/39/139 | 1813/38/153 |
| 9A1P | 102/11/59 | 626/18/78 | 1161/32/111 | 1582/37/145 | 1637/38/141 | 2701/38/158 |
| 9A7A | 110/10/55 | 575/18/79 | 1212/31/112 | 1271/36/144 | 1593/37/142 | 2467/38/157 |
| OM7M | 184/11/61 | 252/18/79 | 1816/34/119 | 1139/36/137 | 1287/39/142 | 2080/39/158 |
| EC2DX | 55/11/55 | 248/15/72 | 1231/34/108 | 968/36/134 | 1528/38/134 | 2359/39/154 |
| PI4DX | 158/13/50 | 541/19/85 | 1051/30/112 | 955/39/140 | 989/37/133 | 2328/39/155 |
| OK5W | 65/6/45 | 425/22/83 | 1475/33/117 | 890/35/130 | 1352/38/147 | 1713/38/153 |
| SJ2W | 74/9/48 | 187/18/77 | 994/31/106 | 2886/38/138 | 1687/37/132 | 918/35/133 |

## EUROPE MULTI-OPERATOR TWO TRANSMITTER

| TM6M | 148/11/43 | 717/18/85 | 1456/32/111 | 2296/36/147 | 3274/39/149 | 3494/39/157 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ED1R | 168/12/56 | 661/18/79 | 1813/34/115 | 1740/37/134 | 2863/37/135 | 2946/38/146 |
| OL4A | 343/11/61 | 821/19/75 | 1703/34/116 | 2688/38/153 | 1786/38/152 | 2105/39/153 |
| IB9T | 77/6/46 | 598/16/71 | 1189/27/98 | 2223/37/141 | 2123/38/130 | 3034/38/149 |
| HG7T | 221/8/48 | 870/17/73 | 1435/25/104 | 1475/36/121 | 1895/38/128 | 2099/38/156 |
| YU5R | 165/8/48 | 717/14/70 | 1598/28/104 | 1512/35/125 | 2233/38/133 | 1627/36/133 |
| DL1A | 103/7/48 | 902/13/69 | 1218/30/103 | 1238/32/132 | 1705/37/129 | 1484/37/133 |
| LZ5R | 108/7/36 | 728/13/72 | 959/27/95 | 1594/34/124 | 2065/38/133 | 2338/36/141 |
| S52ZW | 250/9/53 | 657/14/67 | 1137/27/96 | 1453/36/135 | 1421/38/131 | 1721/38/148 |
| DR5N | 175/7/45 | 927/16/76 | 769/30/106 | 1056/35/133 | 1764/38/133 | 1281/37/139 |

## EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

| II9P | $640 / 13 / 67$ | $1295 / 20 / 86$ | $1709 / 29 / 101$ | $3011 / 38 / 149$ | $3381 / 39 / 148$ | $4622 / 39 / 162$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| DFØHQ | $775 / 11 / 61$ | $1779 / 21 / 89$ | $2779 / 34 / 132$ | $3010 / 39 / 154$ | $2010 / 38 / 145$ | $1981 / 39 / 148$ |
| LZ9W | $628 / 10 / 64$ | $1425 / 22 / 87$ | $2546 / 34 / 119$ | $3246 / 37 / 148$ | $2723 / 39 / 141$ | $2403 / 36 / 144$ |
| OT5A | $690 / 11 / 57$ | $1373 / 14 / 68$ | $2870 / 31 / 109$ | $2091 / 37 / 140$ | $2300 / 39 / 145$ | $1963 / 36 / 130$ |
| SK3W | $448 / 8 / 53$ | $882 / 17 / 77$ | $1878 / 35 / 122$ | $2505 / 37 / 147$ | $2326 / 38 / 136$ | $1896 / 38 / 149$ |
| LY7A | $388 / 7 / 46$ | $1303 / 13 / 67$ | $2064 / 31 / 111$ | $2524 / 38 / 129$ | $1562 / 38 / 128$ | $1350 / 36 / 122$ |
| TM1A | $513 / 9 / 55$ | $778 / 14 / 69$ | $1246 / 19 / 87$ | $1992 / 36 / 144$ | $1839 / 37 / 135$ | $1599 / 34 / 131$ |
| EA3VN | $89 / 5 / 25$ | $479 / 12 / 61$ | $1165 / 23 / 86$ | $2024 / 35 / 138$ | $1362 / 36 / 118$ | $1184 / 35 / 121$ |
| DP6T | $178 / 6 / 47$ | $746 / 10 / 63$ | $464 / 16 / 80$ | $1567 / 35 / 128$ | $1075 / 36 / 121$ | $1189 / 38 / 129$ |
| UW5Y | $258 / 9 / 46$ | $751 / 12 / 67$ | $764 / 24 / 92$ | $1281 / 32 / 112$ | $887 / 38 / 121$ | $1522 / 36 / 144$ |

year. Look for harsher penalties if we detect this in the future. See if your logging software can be set to warn you before transmitting outside the band or your license limitations.

The CQ WW Contest, and these results, could not happen without the effort and dedication of the members of the CQ WW Contest Committee. Whether it is typing in paper logs, combing through cluster spots, listening to SDR recordings, mailing certificates, managing servers, editing the website, or helping submit logs to the robot, all of them contribute to the continuing success of the contest. There are more than 700 volunteer hours of work that go on behind the scenes for each mode.
We want to give special recognition to Tzetzo, LZ2FQ, for his creation of the log submission webpage on cqww.com. This page saved everyone time by helping to confirm all log entries were correctly formatted before being submitted into the robot. This webpage is now the recommended method for submitting CQWW log entries.

We look forward to seeing everyone again next year for the CQ WW DX SSB Contest on October 24-25, 2015. Full rules, records, and other information are available on the Web at <www.cqww.com>.


Andrei Pitu, age 9, was the youngest member of the operating team at YR8E.


That's Alex, KU1CW, operator of P40C in the foreground, while John, W2GD, works at the top of the tower. (Courtesy of KU1CW)


[^0]:    * k5zd@cqww.com

