Results of the 2014 CQ WW DX CW Contest

"... it will be hard to operate contests after this one, simply because it's hard to believe it will ever be better." – Pat, N9RV

By RANDY THOMPSON*, K5ZD

he 67th edition of the CQ World Wide DX Contest CW competition, November 29-30, 2014, gave us two spins of the globe — 48 hours — to experience the world turning with our fellow competitors and DXers. We anxiously watched the clock and listened carefully for those magical moments around sunrise and sunset when you could literally hear the world turn.

With the possible exception of 160 meters, this year every band produced memorable conditions and extraordinary scores. The multi-multi team at NQ4I reported DXCC on 40 meters in just 3 hours and 21 minutes. They had 5BDXCC in less than 24 hours. Single Operator Assisted entrant Sig, N3RS, reported, "the conditions were the best I have witnessed in my 60 years of contesting — 5BDXCC as a single op." Fellow Assisted competitor Chas, K3WW, also achieved 5BDXCC and averaged over 100 QSOs/hour for his 46 hours in the chair. Conditions and activity can't get much better than that!

We received 7,657 log entries this year — 200 more than last year and a new record. CW lives! Africa was the rarest continent with only 63 entries, followed by Oceania (109), South America (174), Asia (1235), North America (1971) and Europe (4105). With 53% of all entries coming from Europe, it explains why scores in the Northeast United States continue to climb.

Of course, the real attraction of CQ World Wide is the DX that is available. The received logs contained contacts with 212 multiplier entities; with six of these only worked once. Thanks to the following who were active to hand out their exotic multipliers: 3B9HB, 3D2KM, 4V1JR, 8Q7DV, A25DX, E51RAT, E6XG, EL2DT, ET3AA, HC2AO/8, HR2J, J79FC, JY9FC, KH8B, SØS, SUØERA, V55V, and YN2CC. There were even three entries from Antarctica.

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CQ WW CW 2014 on the Web

Highest rates by R5GA: http://rate.r5ga.com/qso.php?contest=CQ-WW-CW&year=2014

IIØĆ photo tour: http://tinyurl.com/n7qv4yq PJ2T photo tour: http://tinyurl.com/l6bzfvg

PA3FYM 160 meter single band: http://youtu.be/ckWXjZ4HMMs

TC0A multi-two: https://youtu.be/xy5f083RpJM NX6T station tour: https://youtu.be/AVxC8B37B7Y ZW1M running stations: https://youtu.be/cJ6F2Lo_ncU NR4M multi-multi: https://youtu.be/hiGLILJjUxM E2X multi-single photo tour: http://tinyurl.com/qbv79gz



Scott, KØMD, started the contest in the U.S. and then traveled to Chile to operate as CE2/K0MD. (Courtesy of KØMD)

The DXpedition award for single operators went to Dima, RA9USU, who did a one-man expedition to 7O2A in Socotra Island in Yemen. The multi-op award went to three Indian operators who activated VU4KV. There were numerous comments after the contest about 70 being an all-time new one or the surprise of having a rare country like VU4 answer a CQ. 9Y4/VE3EY deserves an honorable mention because he flew to Trinidad alone and carried 170 pounds of gear for his operation. Losing power on the second day for almost six hours prevented him from reaching his scoring goals.

While most of us sit at home and experience faraway DX through our radios,

there were two operators who managed to submit entries from two continents. Gerben, PG5M, operated the first 30 minutes of the contest from Easter Island before he had to pack up his station. He was able to travel halfway around the world and work the last 30 minutes from his home in the Netherlands. Scott, KØMD, pulled a similar double by working from his home in Minnesota before jumping on a plane and getting in a few hours of operation from Chile as CE2/KØMD.

Single Operator All Bands

Eight of the Top 10 scores in the Single Operator All Bands category were from North America, with the other two from Asia (A71BX) and Africa (ZD8O). The top score was by Andy, N2NT, operating from V47T. It's not easy to be DX. In the three days before the contest, Andy and V44KAI "fixed everything that broke since last year; two Yagis, one rotator, two Beverages, one 160-meter vertical, one 80-meter delta loop, two amplifiers, one front door, one water barrel." Second place went to Dave, K5GN, operating from the desert station of A71BX. Dave has been living in Qatar for the past few years and participating in multi-ops. He was thrilled to have this chance at doing a single operator effort.

Third place was from far north in Zone 2. Yuri, VE3DZ, repeated the 3,200-

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kilometer (1,988-mile) roundtrip drive that he did just 30 days earlier for SSB to put in another effort for CW. He might have finished even higher, but slept three extra hours when he forgot to set the alarm on his cell phone.

It was a real battle for the top U.S. position. Alex, LZ4AX, operated from K3CR, logging 25 different hours with more than 100 QSOs on his way to a new all-time U.S. record. Two stations in Maine pursued Alex: Scott, KØDQ, operating from K8PO, and Doug, K1DG. All three were above 10 million points — a level that was unimaginable just a few years ago. Scott continues his elusive chase for the U.S. title by finishing second for the third consecutive year.

The top European score was also from the north, with Jukka, OH6LI, piloting OHØV to the win. The next three scores were very close with Tine, S5ØA, pulling ahead of

"Fantastic conditions and great activity allowed us to score our best result ever." – DL1A

Mark, MØDXR, at G9W and Chris, GM3WOJ, at GD6IA. The top European score was number 34 in the world, illustrating the demographic challenge of having so much contest activity within the same continent and therefore earning just one point per contact. While the chance for a world high finish may be elusive, the competitive level in Europe is intense.

Single Operator All Bands Low Power is the most popular entry category with 1,614 logs. Fellow Frankford Radio Club members Bud, AA3B, and John, W2GD, battled it out for the top spot. Bud is establishing a dynasty with his 10th victory in 15 consecutive years of operating from V26K. John oper-

2014 WW DX CW TROPHY WINNERS AND DONORS

SINGLE OPERATOR
ALL BAND
World
77 (Opr : Andy Blank, N2)

V47T (Opr.: Andy Blank, N2NT)
Donor: Vibroplex

World - Low Power V26K (Opr.: Bud Trench, AA3B) Donor: Slovenia Contest Club

World - QRP PZ5AV (Opr.: Alan Higbie, K0AV) Donor: Bob Evans, K5WA

World - Assisted Randy Thompson, K5ZD/1 Donor: Robert McGwier, N4HY

World - Assisted- Low Power 4XØW (Opr.: Paul Young, K1XM) Donor: Lyubomir "Leo" Slavov, OR2F

World – Assisted - QRP DM2M (Opr.: Pit Schmidt, DK3WE) Donor: Steve "Sid" Caesar, NH7C

USA

K3CR (Opr.: Alexander Avramov, LZ4AX)

Donor: Frankford Radio Club

USA - Low Power Bob Raymond, WA1Z Donor: North Coast Contesters

USA - QRP David Leduc, N1IX Donor: W3ZZ Memorial (Andy Blank, N2NT)

> USA - Assisted Chas Fulp, Jr., K3WW* Donor: John Rodgers, WE3C

USA Assisted - Low Power Keith Beebe, W3KB Donor: LA9Z/LN9Z Leia Contest Club

USA - Zone 3
Bob Wolbert, K6XX
Donor: Central Arizona DX Association

USA - Zone 4 Steve London, N2IC/5 Donor: Society of Midwest Contesters

Europe OHØV (Opr.: Jukka Klemola, OH6LI) Donor: W3AU Memorial (Florida Contest Group)

> Europe - Low Power Remigijus Vaicius, LY80 Donor: Tim Duffy, K3LR

Europe - QRP Nick Kornev, RA3AN* Donor: I4FAF Memorial (Sergio Cartoceti, IK4AUY)

Europe - Assisted EA6FO (Opr.: Juan Luis Pla Nebot, EA5BM) Donor: I4IND Memorial (Claudio Veroli, I4VEQ) Europe – Assisted – Low Power
UW5Q (Opr.: Ruslan Chernyavskye, UR3QCW)
Donor: Alex Goncharov, R3ZZ

Africa

ZD8O (Opr.: Marko Myllymaki, N5ZO) Donor: K5KA Memorial (Ralph "Gator" Bowen, N5RZ)

Asia

A71BX (Opr.: David McCarty, K5GN)
Donor: W5PG Memorial (DFW Contesting Group)

Carib./C.A.

8P5A (Opr.: Tom Georgens, W2SC)
Donor: W5PG Memorial (DFW Contesting Group)

Carib./C.A. – Low Power YN2CC (Opr.: Mike Kasrich, AJ9C) Donor: Albert Crespo, NH7A

Oceania

KH7M (Opr.: James Neiger, N6TJ)

Donor: KH2D Memorial (Ken Hoppe, KH7R and Mani
Albrecht, KH2FI)

South America P4ØW (Opr.: John Crovelli, W2GD) Donor: Dave Farnsworth, WJ2O

South America - Southern Cone (CE, CX, LU) – High Power CE3CT (Opr.: Martin Monsalvo, LU5DX) Donor: Dale Long, N3BNA

South America - Southern Cone (CE, CX, LU) – Low Power Raúl Enrique Meier, LU1ICX Donor: LU Contest Group

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) – Low Power Bob Kupps, HS0ZIA Donor: Bob Kupps, N6BK

Scandinavia (LA, OH, OZ, SM) Leif Ottosen, OZ1LO Donor: W3FYS Memorial (Chas Weir, Jr., W6UM)

Baltic (ES, LY, YL) Andrius Ignotas, LY7Z Donor: LY2OO Memorial (Lithuanian Radio Sports Federation)

Canada
VE2IM (Opr.: Yuri Onipko, VE3DZ)
Donor: John Sluymer, VE3EJ & Jim Roberts, VE7ZO

Russia Gena Kolmakov, UA9MA Donor: Roman Thomas, RZ3AA

Japan Masaki Masa Okano, JH4UYB Donor: Phil Yasson, AB7RW

Japan - Low Power Nobuhiro Iwasa, JH8SLS Donor: Western Washington DX Club SINGLE OPERATOR, SINGLE BAND

World - 28 MHz PX2A (Opr.: Luciano Berloffa, PY2YU) Donor: Joel Chalmers, KG6DX

World - 21 MHz FY5KE (Opr.: Laurent Haas, F6FVY) Donor: Lew Sayre, W7EW

World - 14 MHz CS2C (Opr.:Jiri Pesta, OK1RF) Donor: W2JT Memorial (North Jersey DX Assn.)

> World - 7 MHz Pal Vrbovszki, HA8JV Donor: Alex M. Kasevich, 8R1A

World - 3.5 MHz CR2A (Opr.: Martti Laine, OH2BH) Donor: Fred Capossela, K6SSS

World - 1.8 MHz Omari Odoshashvili, 4L5O Donor: Kenneth Byers, Jr., K4TEA

> USA - 28 MHz John Carioti, K2ZJ Donor: dxcoffee.com

USA - 21 MHz Carl Kratzer, K3RV/4 Donor: Bob Naumann, W5OV

USA - 14 MHz
Brian J. Edward, N2MF
Donor: Northern Illinois DX Association

USA - 7 MHz Don Karvonen, K8MFO Donor: W6AM Memorial (Jan Perkins, N6AW)

> Steven Sussman, W3BGN Donor: Bill Feidt, NG3K

USA - 1.8 MHz Jeffrey T. Briggs, K1ZM Donor: Jeff Briggs, K1ZM

Europe - 28 MHz Horvat Zvonko, 9A3TR Donor: Jay Pryor, K4OGG

Europe - 21 MHz Darko Martincevic, 9A5X Donor: Bob Naumann, W5OV

Europe - 14 MHz OH8X (Opr.: Pasi Luoma-Aho, OH6UM)* Donor: G3FXB Memorial (Maud Slater)

> Europe - 7 MHz Vojislav Kapun, YU7AV Donor: Ivo Pezer, 9A3A

Europe - 3.5 MHz Toomas Soomets, ES5RY Donor: K3VW Memorial (Frankford Radio Club)



Ralph, N5RZ, and Larry, K5OT, are a picture of concentration at the K5TR multi-single. (Courtesy of K5TR)

ated P4ØW in Aruba and finished second. Their scores would have placed sixth and eighth in the High Power listings.

The top U.S. Low Power score and third place overall went to Bob, WA1Z, operating from his modest home station in New Hampshire. "I was able to run effectively almost the entire contest, with the exception of the few hours just before our local sunrise. Had eight consecutive 100+ hours during the day on Saturday between the two radios." Bob demolished the old U.S. record set by N1UR in 2013. Second place finisher Marv, N5AW, was also excited by conditions. "Last year I set the U.S. 5th call area low power record with 3.7

Europe - 1.8 MHz Silvo Knuplez, S51V* Donor: Pat Barkey, N9RV & Terry Zivney, N4TZ

Asia - 21 MHz A45XR (Opr.: Krzysztof Dabrowski, SP5EXA) Donor: Coconut Wireless Contest Club

Asia - 14 MHz Vakhtang Mumladze, 4L8A Donor: W5FO Memorial (Ralph "Gator" Bowen, N5RZ)

> Carib./C.A. (21 MHz) Eduardo Somoano Cremati, CO8LY Donor: David Hodge, N6AN

> > Canada (7 MHz) Dave Goodwin, VE3AAQ Donor: John Sluymer, VE3EJ

Japan - 21 MHz Akito Nagi, JA5DQH Donor: Bob Wilson, N6TV

Japan - 14 MHz Syuichi Sato, JA7FTR Donor: Chris Terkla, N1XS

China (28 MHz) Guang Yang, BA8AG Donor: LZ9W Contest Team

OVERLAY CATEGORIES

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

> U.S.A. - Classic Peter H Briggs, K3ZM/4 Donor: CWops

World - Rookie Philipp Springer, DK6SP Donor: CWops

U.S.A. - Rookie Mark Trivette, W4TTM Donor: CWops

MULTI-OPERATOR, SINGLE TRANSMITTER

World P33W (Oprs.: LY4AA, RA2FA, UA2FZ, RV1AW, UA4FER, RW4WR, RA3AUU) Donor: North Pole Contest Group

World - Low Power HI3A (Oprs.: HI3A, WP3A, HI3AA, HI3LFE, HI3TT, HI3CC) Donor: CQ Magazine

U.S.A. K8AZ (Oprs.: W3YQ, K8AZ, K8BL, K8MR, K8NZ, K8PP, KQ8M, W8CAR, W8WWV, WB8K, WT8C) Donor: Douglas Zwiebel, KR2Q

Africa CR3A (Oprs.: CT1BOH, OM3RM, 9A3XV, 9A4M, OM2VL, OM3BH, OM3GI, OM7JG) Donor: Harry Booklan, RA3AUU

RM9A (Oprs.: RA9AA, RG9A, RK9AMG, RL9A, RN9A, RN9CM, RO9A) Donor: Steve Merchant, K6AW

> Carib./C.A. ZF1A (Oprs.: K6AM, N5DX) Donor: Kansas City DX Club

403A (Oprs.: 403A, 404A, 406Z, 409IT, 409TT, 9A3A, E70A, E77W, ES2RR, ES5TV, Y09GZU, YU1EA, YU1EW, YU1JW, YU1YV, YU1ZZ) Donor: Bob Cox, K3EST

> AH2R (Oprs.: JI3ERV/NH2C, JR7OMD/WI3O, JE8KKX/AH2K) Donor: Junichi Tanaka, JH4RHF

South America PJ4Q (Oprs.: PJ4NX, W4PA, WF7T, S53R, PJ4DX) Donor: Araucaria DX Group

Canada VE3EJ (Oprs.: VE3EJ, VE3EK, VE3MM, VE3TA) Donor: Eastern Canadian DX Assn.

Japan JA1BPA (Oprs.: JA1BPA, JG1VGX, JI1ACI, JM1LPN) Donor: Madison Jones, W5MJ

ASEAN (XZ HS XW XU 3W 9M 9V V8 YB DU) E2X (Oprs.: E20HHK, HS0ZLB, HS4DDQ, HS6RMT, HS6NDK, HS4LKW) Donor: Bob Kupps, N6BK

MULTI-OPERATOR, TWO-TRANSMITTER

World CR3L (Oprs.: DH5FS, DJ0IF, DJ0ZY, DJ7IK, DL1CW, DL5AXX, DL8JJ) Donor: Array Solutions

U.S.A. NQ4I (Oprs.: NQ4I, VE3CX, VE7ZO, W4IX, N4XL, KM4HI) Donor: Robert Kasca, S53R

Europe TM6M (Oprs.: F1AKK, F8CMF, F8DBF, F8FKJ, HB9CAT, F5TTU) Donor: Aki Nagi, JA5DQH

MULTI-OPERATOR, MULTI-TRANSMITTER

World CN2AA (Oprs.: R3FA, R7LV, RA3CO, RD1A, RL3FT, RM2U, RM9I, RN2FA, RV3MA, RW1A, RW7K, RX3APM, UA2FB, UA2FF, UA2FM, UA3AB, UA3ASZ, UA3EDQ, RN1AM)

Donor: K2GL Memorial (The K2GL Operators)

U.S.A. K3LR (Oprs.: K3LR, K3UA, G4TSH, N2NC, W2RQ, N3SD, KL9A, N6MJ, N6TV, N6AN, N3GJ, VE3RA) Donor: N6RJ Memorial (Bob Ferrero, W6RJ)

Europe 9A1A (Oprs.: 9A9A, 9A5W, 9A6A, 9A7R, 9A4WW, 9A2DQ, 9A5E, 9A8A, 9A2EU, 9A7TM, 9A9AB, 9A6M, 9A2WJ) Donor: Finnish Amateur Radio League

Africa 3B8MU (Oprs.: G0CKV, M0CFW/JK3GAD, OH1VR, OH2KI, W6NV) Donor: EA9EO Memorial

Asia 9K2HN (Oprs.: 9K2HN, AA7A, G3XTT, G4FON, G4IRN, KC7V, N4QS, N7CW, W6RGG) Donor: Nodir Tursun-Zade, EY8MM

KH7XX (Oprs.: WH6R, KH6SH, KH6NX, KH6FP, KH7U, AH0A, KH6U, N2NL) Donor: JA9SSY Memorial (Tack Kumagai, JE1CKA & Masa Sakurada, JR2GMC

CONTEST EXPEDITIONS

World Single Operator 702A (Opr.: Dmitry Zhikharev, RA9USU)
Donor: Friends of Phil Goetz, N6ZZ

World Multi-Operator VU4KV (Oprs.: VU2BGS, VU2CDP, VU2PTT) Donor: Carl Cook, Al6V Memorial

SPECIAL AWARDS

World SSB/CW Combined Tom Georgens, W2SC) 29,325,286 Donor: Hrane Milosevic, YT1AD

World RTTY/SSB/CW Combined Yuri Onipko, VE3DZ 24,280,648 Donor: Rudy Bakalov, N2WQ

Combined SSB/CW Score 160 Meters Yuri Onipko, VE3DZ 26,623,135 Donor: Team IB9T/IR9Y - IT9ZGY Memorial

> CLUB World SSB/CW Yankee Clipper Contest Club 558.926.688 Donor: John Rodgers, WE3C

Non-USA SSB/CW **Bavarian Contest Club** 401,499,558 Donor: Northern California Contest Club

* Second Place

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Meg and ... thought it would be hard to match it. Can't believe I beat it by over a million points!"

The Low Power winner for Europe, and eighth place overall, was Remi, LY8O. Remi put in the full 48 hours and summed it up this way: "Nice conditions, high activity, not any technical problems here — fantastic weekend." Bjorn, LB1GB, made his first-ever entry in Low Power and finished second.

Single Operator Single Band

Great band conditions present opportunities for new records to the single band entrants. The top single band score of all was on 15 meters. FY5KE, operated by Laurent, F6FVY, surpassed the world record score set by ZD8Z (N6TJ op.) back in 1997. Krzysztof, SP5EXA, at A45XR, the second place finisher on 15 meters, broke the Asian record that had stood since 1999. K3RV/4 continued the record run by finishing third and raising his own U.S. record set just last year. The top European score on 15 meters was by Darko. 9A5X.

The most popular single band category was 10 meters. Luciano, PY2YU, piloted PX2A to the top spot. Krassy, K1LZ, visited the Canary Islands scouting for a new contest location. He operated Field Day style as EA8/K1LZ and braved some difficult weather conditions to take second place. Ivan, OM3CGN, visited SU9IG and used the call SUØERA to take third. He made a lot of people happy with the zone 34 multiplier. The European winner was Zvonko, 9A3TR, just a few points ahead of Slobodan, YT9A. John, K2ZJ, easily outpaced all other U.S. entries on the band.

Jiri, OK1RF, operated from CS2C to win 20 meters and break the 14-yearold European record. Vakhtang, 4L8A, set a new Asian record with his secondplace finish. The top U.S. finisher was



An over the shoulder view of the K5TR multi-single with Larry, K5OT, (left) and Ralph, N5RZ, operating. (Courtesy of K5TR)

Brian, N2MF, who just crawled past the record set by K2WK way back in 1998.

It was a very close race for the world high score on 40 meters. Pal, HA8JV, worked all 40 zones from his nice farm in southeast Hungary for the win. Vojislav, YU7AV, was only 5,000 points behind in second. Dave, VE3AAQ, borrowed the station of VE3FU to finish third and set a new Canadian record score. Don, K8MFO, snuck in some operating between his work selling Christmas trees to have the high U.S. score.

Martti, OH2BH, escaped the cold and darkness of Finland to enjoy the world high score for 80 meters from his station — CR2A — in the Azores. Tom, ES5RY, borrowed the ES5TV station to put up the second place score. He reported the first day was good, but aurora dampened conditions on the second day. Steve, W3BGN, nailed down the top U.S. spot.

By all reports, 160 meters was the band that did not match the fantastic conditions of the other bands. The first night had some DX, but it was difficult. The second night was much better for those who stuck it out. Omari, 4L5O, used the three points-per-QSO advantage of his Asia location to have the world high score. Silvo, S51V, was tops in Europe over OK2W, operated by Karel, OK2WM. Jeff, K1ZM, operated from his place on Cape Cod to win the U.S.

There were some very nice efforts among the Low Power single band entries as well. Alan, G3XAQ, posted the top 10-meter score from 5X1XA. A call that caused confusion was the 10-meter single band entry 5KØA operated by Tim, LW9EOC. Over 500 of his 2,500 contacts incorrectly logged his callsign as HKØA! Eduardo, CO8LY, was very pleased to have the top score



The operators at 403A celebrate the end of the contest and a new European record in the Multi-Single category. (Courtesy of 403A)

"I will remember this contest for a long time." – VA7ST

on 15 meters. Twenty was a bit of a surprise with the top score going to a U.S. station. Robert, KØKR, operated from K7KU in Wyoming, using a single 5-element monobander on a 44-foot boom at 130 feet. Emilio, IZ1GAR, used his K3 and a dipole to rack up the top score on 40 meters from the "African Italy" multiplier as IH9R.

Single Operator Assisted

For Assisted operators, the DX Cluster window becomes a siren, luring them away from their run frequency and on to the rocks of yet another DX pileup. The world high score for the High Power category went to Randy, K5ZD/1. He just missed making 5,000 QSOs while still finding 697 country multipliers. Randy's score raised the U.S. category record by nearly 20%. Alex, KU1CW, traveled to P4ØC and enjoyed the beach and the high rates, but avoided the siren call of multipliers a bit too much and finished second. Chas, K3WW, entered the "single op distracted" category for the 26th consecutive year and finished in third. Juan, EA5BM, visited EA6FO to take the top European score and fourth place overall.

The Low Power standings were led by two traveling ops. The category winner was Paul, K1XM, who visited Israel to operate as 4XØW. He and his host, Ilya, 4Z1UF, battled through a number of antenna issues to get ready for the contest. Paul admitted that he spent too much time chasing multipliers, but it turned out to be a winning strategy. Alan, N3AD, visited Ed, VP9GE, in Bermuda to finish second VP9/N3AD. In spite of 600 more contacts than Paul, it wasn't enough for Alan to overcome a deficit of 120 multipliers. Third place finisher 4KØCW made a lot of people happy by giving out the 4K multiplier.

The top European score was by Ruslan, UR3QCW, using his contest call UW5Q. He had the highest multiplier total of any Low Power entry. Dez, G3WW, operated as M6W to finish second. Keith, W3KB, achieved DXCC on four bands en route to winning the U.S. title. Michael, N1EN, worked 143 different country multipliers on his way to second place in the U.S.

There was some nice High Power Assisted single band scores as well. Lucas, LU1FAM, was behind the winning LO2F callsign on 10 meters.

2014 CQ WW DX CW TOP SCORES

WORLD SINGLE OP	S53AR12,593 S59GS247	MULTI-OP SINGLE-TRANSMITTER	7 MHz K9UIY163,584
HIGH POWER All Bands	SINGLE OP ASSISTED	High Power P33W31,772,672	N4PSE110,210 W09S105,203
V47T (N2NT) 13.548.784	HIGH POWER	CR3A30,419,487	
A71BX (K5GN)12,827,349 VE2IM (VE3DZ)12,326,784	All Bands K5ZD/112.768.365	RM9A	3.5 MHz NS3T73,260
8P5A (W2SC)11,719,915	P4ØC (KU1CW)11,085,536	PJ4Q18,244,447	WB4AAA63,300
K3CR (LZ4AX)10,871,028 VY2TT (K6LA)10,609,998	K3WW10,827,208 EA6FO (EA5BM)10,059,179	Low Power	KD3HN16,368
	N3RS10,023,950	HI3A9,545,150	1.8 MHz
28 MHz PX2A (PY2YU)1,846,950	28 MHz	YTØA5,721,120 VE9ML4,945,330	WD8DSB/93,424
EA8/K1LZ1,532,832	LO2F (LU1FAM)1,542,126	N3ND/44,204,054	SINGLE OP
SUØERA (OM3CGN)1,231,336	CT3KN	LZ4T3,533,708	QRP All Bands
21 MHz		MULTI-OP	N1IX1,257,515
FY5KE (F6FVY)2,475,510 A45XR (SP5EXA)1,348,512	21 MHz EA8/RA1A1,857,112	TWO-TRANSMITTER CR3L30,648,025	N7IR927,350 W6JTI829,864
K3RV/41,135,280	VE6WQ1,153,449	P3F27,186,687	N1TM806,891
14 MHz	NH2DX (KG6DX)1,112,200	PJ4A27,162,540 TCØA27.075.048	KT8K756,450 W6JTI511,170
CS2C (OK1RF)1,558,980	14 MHz	VP2MDX24,005,709	
4L8A	EA8AH (OH6CS)2,014,614 VE6JY (VE5MX)1,628,920	MULTI-OP MULTI-TRANSMITTER	28 MHz K1SX52,461
7 MHz	K4XS1,366,796	CN2AA73,299,950	WC3031,914
HA8JV914,424	7 MHz	HK1NA40,282,825 9K2HN38,917,878	KM6Z26,936
YU7AV909,312 VE3AAQ864,280	ES50W (YL3DW)1,300,328	K3LR37,486,260	21 MHz
	LY2FN872,320 S52AW858,690	PJ2T37,158,142	KØFLY147,506 WA6FGV56,144
3.5 MHz CR2A (OH2BH)598,545	3.5 MHz	ROOKIE OVERLAY High Power	N4AU40,204
ES5RY488,001	OM2Y (OM2IB)502,502	K5MXG292,941	14 MHz
EI5DI394,723	YL3FX498,365 DM7C459,600	OK2SFP236,872	NK3U/497,635 N8ET67,850
1.8 MHz	DW/G459,600	Low Power	KØMP/710,696
4L50292,570	1.8 MHz	DK6SP1,027,185	7 MHz
S51V176,040 OK2W (OK2WM)148,006	RD8D (R9GM)150,224 8SØDX (SMØDSG)149,634	W4TTM590,274	N2JNZ29,400
SINGLE OP	PA3FYM138,047	CLASSIC OVERLAY	NE6M4,640
LOW POWER	SINGLE OP ASSISTED	High Power P49Y (AE6Y)5,187,810	3.5 MHz
All Bands V26K (AA3B)10,780,224	LOW POWER	ZD80 (N5Z0)4,669,782	W1TW4,644
P4ØW (W2GD)10,567,800	All Bands 4XØW (K1XM)7,435,584	KP2M (KT3Y)4,600,960 K3ZM/43,980,064	SINGLE OP ASSISTED
WA1Z	VP9/N3AD6,004,856	N4AF3,890,832	HIGH POWER All Bands
YN2CC (AJ9C)5,707,260	4KØCW5,297,831 RT9S4,444,480	Low Power	K5ZD/112,768,365
28 MHz	UW5Q (UR3QCW)4,250,042	P4ØW (W2GD)5,082,669	K3WW10,827,208 N3RS10,023,950
5X1XA (G3XAQ)915,399	28 MHz	K1BX2,691,584 J340 (DL7VOA)1,984,400	AB3CX/28,527,112
5KØA (LW9EOC)795,960 4ZØDX (4Z4DX)678,150	YV1KK941,045 4X7R (4X6FR)782,166		K1AR8,510,684
	UK9AA673,407	UNITED STATES	28 MHz
21 MHz CO8LY916,360	21 MHz	SINGLE OP	N4BP774,324 W8AV701,250
PJ2V (PA4N)833,952	CN8KD1,052,640	HIGH POWER	W7RN (N7MH)669,683
3V8SS (KF5EYY)780,432	RA9AP667,665 LR1E (LW6DG)587,444	All Bands K3CR (LZ4AX)10,871,028	21 MHz
		KØDQ/110,183,914	N1LN/4902,373
14 MHz K7KU (KØKR)309,920	14 MHz CE3AA (XQ4CW)594,048	K1DG10,065,402 W1KM9,506,553	N7DD818,125 N4PN805,350
HA60A286,720	RK9AD530,204	K1T09,465,424	
JG2KKG253,680	HA3DX (HA3UU)517,937	K1ZZ9,407,965	14 MHz K4XS1,366,796
7 MHz	7 MHz	28 MHz	K4LT/8496,300
IH9R (IZ1GAR)622,291 SP60JE365,712	KP4EE1,044,752 MW5R (MWØEDX)779,034	K2ZJ622,896 N7DR/Ø549,661	W4UAT/6200,550
E79D275,504	9A3JH478,101	N4OX514,608	7 MHz
3.5 MHz	3.5 MHz	21 MHz	K9GS791,109 K7NJ453,908
UA1AFT108,300	LY3B200,298	K3RV/41,135,280	K9NR342,440
VE3BR	ER3AU152,190 LZ2SC151,760	N5NU831,192 W7WA683,531	3.5 MHz
1.8 MHz			W1QS209,280
VE3MGY29,960	1.8 MHz SV2JA053,728	14 MHz N2MF1,071,350	W3NO163,212
E75A28,680 ER2RM21,090	UA3MIF39,848	NR5M (K5GA)832,684	
	EU2EU38,934	N7WA484,282	
L1121W121,000			1.8 MHz W8TOP 34.030
SINGLE OP	Single OP ASSISTED	7 MHz	W8TOP34,030 N7GP (N5IA)22,500
****	QRP	K8MFO531,200 N5FO500,289	W8TOP34,030
SINGLE OP ORP All Bands PZ5AV (KØAV)2,701,290	QRP All Bands DM2M (DK3WE)2,346,546		W8TOP
SINGLE OP QRP All Bands PZ5AV (KØAV) 2,701,290 GJ2A (MJØASP) 2,699,165 5H3EE 1,859,220	QRP All Bands	K8MFO531,200 N5FO500,289	W8TOP
SINGLE OP	ORP All Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RA3AN 1,441,892	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER All Bands W3KB. 3,859,200
SINGLE OP QRP QRP All Bands PZ5AV (KØAV) 2,701.290 GJ2A (MJØASP) 2,699.165 5H3EE 1,859.220 VC3VN 1,461.824 RT4W 1,382,612	QRP All Bands DM2M (DK3WE)	K8MFO	W8TOP. 34,430 N7GP (N5IA). 22,500 AG4W
SINGLE OP ORP AIII Bands PZ5AV (KØAV)	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831	KBMFO .531 200 N5FO .500 289 W3LL (ND3D) .449,384 W3BGN .318,336 K5FK .230,212 K3JGJ .111,735	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER All Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4MHZ 3,062,040
SINGLE OP QRP AII Bands PZ5AV (KØAV) 2,701 290 GJ2A (MJØASP) 2,699,165 5135EE 1,859,220 VS3VN 1,461 824 RT4W 1,382,612 Z8 MHz LZ2RS 157,380 Z56DX 145,500	ORP AII Bands DM2M (DK3WE)	K8MFO	W8TOP. 34,430 N7GP (N5IA). 22,500 AG4W
SINGLE OP QRP QRP PZ5AV (KØAV) 2,701,290 GJ2A (MJØASP) 2,699,165 H3EE 1,859,220 VE3VN 1,461,824 R14W 1,382,612 LZ2RS 457,380	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER All Bands W3KB. 3,859,200 N1EN. 3,232,766 W074AHZ. 3,062,040 K3IE/4. 2,965,201 K51J. 2,837,898
SINGLE OP ORP	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RA3AN 1,441,892 OK2FD 1,221,831 28 MHz EA4KR 332,506 LUTHZ 252,860 JR3RWB 204,544 21 MHz	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ 3,062,040 K3IF/4 2,965,201 KS1J. 2,837,898 28 MHz W2AW (N2GM). 413,100
SINGLE OP QRP QRP AIN Bands PZ5AV (KØAV) 2,701,290 GJZA (MJØASP) 2,699,165 H3EE 1,859,220 VE3VN 1,461,824 RT4W 1,382,612 28 MHz LZ2RS 157,380 ZS6DX 145,500 VY2OX 133,751 21 MHz ESSG (WS4T) 204,183	ORP AII Bands DM2M (DK3WE)	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ 3,062,040 K3IE/4 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155
SINGLE OP QRP	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RA3AN 1,441,892 OK2FD 1,221,831 28 MHz EA4KR 332,506 LUTHZ 252,860 JR3RWB 204,544 21 MHz	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB 3,859,200 N1EN 3,232,766 W074AHZ 3,062,040 K3IE/4 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KC0DEB 157,242
SINGLE OP QRP AII Bands PZ5AV (KØAV)	ORP All Bands	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AH1Z 3,062,040 K3IE/4 2,965,201 KSIJ. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCODEB 157,242
SINGLE OP ORR	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 28 MHz EA4KR 332,506 LU7HZ 252,860 JR3RWB 204,544 21 MHz EA2EA 437,912 FFE72T 275,139 F1EBN 145,834 14 MHz 3ZØX (SP5MXZ) 198,360	KBMFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB 3,859,200 N1EN 3,232,766 W074AHZ 3,062,040 K3IE/4 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KC0DEB 157,242
SINGLE OP ORP	ORP All Bands DM2M (DK3WE) 2,346,546 V23KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 221,831	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ. 3,062,040 K3IE/4. 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB. 157,242 WA1S/4. 348,786
SINGLE OP ORR	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 28 MHz EA4KR 332,506 LU7HZ 255,860 JR3RWB 204,544 21 MHz EA2EA 437,912 F/E72T 275,139 F1EBN 145,834 14 MHz 32ØX (SP5MZ) 198,360 LZ7TU 82,450 K3TW/4 51,253	K8MFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER All Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ 3,062,040 K3IF/4 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB 157,242 WA1S/4. 348,786 W5ZO 288,585 14 MHz W8IQ. 172,360
SINGLE OP ORP	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RA3AN 1,441,882 OK2FD 1,221,831 EA4KR 332,506 LU7HZ 252,860 JR3RWB 204,544 21 MHz EA2EA 437,912 F/E72T 275,139 F1EBN 145,834 14 MHz 3ZØX (SP5MXZ) 198,360 LZ2TU 82,450 K3TW/4 51,253	KBMFO	W8TOP. 34,030 N7GP (NSIA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ. 3,062,040 KS1J. 2,865,201 KS1J. 2,857,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB. 157,242 WA1S/4. 348,786 W5ZO. 288,585 W81O. 172,360 W81O. 172,360 W310/8. 99,360
SINGLE OP OIR P AIR PAIR PAIR PAIR PAIR PAIR PAIR P	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N2OT/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 EA4KR 332,506 LU7HZ 252,860 JR3RWB 204,544 EA2EA 437,912 F/E/ZT 275,139 F1EBN 145,834 14 MHz 3/20X (SP5MXZ) 198,360 LZ2TU 82,450 K3TW/4 51,253 7 MHz MØVAA 127,734 YVSEN 114,933	KBMFO	W8TOP. 34,030 N7GP (NSIA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ. 3,062,044 K3IE/4. 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB. 157,242 WA1S/4. 348,786 W5ZO. 288,585 W81O. 172,360 W81O. 172,360 W310/8. 99,360 K2RK/3. 88,011
SINGLE OP QRP QRP AII Bands PZ5AV (KØAV)	ORP All Bands	KBMFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 W74MHZ 3,062,040 K3IE/4 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 W82AA. 212,155 KCODEB 157,242 W15W5ZO 2,887,898 W41S/4 348,786 W5ZO 2,885,855 14 MHZ W81O. 172,360 W31O/8. 99,386 K2RK/3 88,011
SINGLE OP ORP ORP	ORP All Bands	KBMFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII BandS W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KC0DEB 157,242 W41S,14 348,748 W520 288,585 14 MHz W810. 172,360 W310/8. 98,360 K2RK/3. 88,011 VM1FCN/4. 184,841 ABBYC. 14,048
SINGLE OP ORP	ORP AII Bands DM2M (DK3WE) 2,346,546 V23KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 28 MHz EA4KR 332,506 LU7HZ 252,860 JR3RWB 204,544 21 MHz EA2EA 437,912 F/E72T 275,139 F1EBN 145,834 14 MHz 3ZØX (SP5MXZ) 198,360 LZ7TU 82,450 K3TW/4 51,253 7 MHz MØVAA 127,734 YV5EN 114,933 SP9NSV 99,283 3.5 MHz OL4W (OK1IF) 77,550	K8MFO	W8TOP. 34,030 N7GP (NSIA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII BandS W3KB. 3,559,200 N1EN. 3,232,766 WD4AHZ. 3,062,044 K3IE/4. 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB. 157,242 WA1S/4. 348,786 W5ZO. 288,585 W81O. 172,360 W310/8. 99,360 K2RK/3. 88,011 7 MHZ WA1FCN/4. 184,841
SINGLE OP ORP ORP PAIR Bands PZ5AV (KØAV)	ORP All Bands	KBMFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER All Bands W3KB. 3,859,200 N1EN. 3,232,766 W704MHZ 3,062,040 K3IF/4 2,965,201 KS1J. 2,837,898 28 MHZ W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB 157,242 WA1S/4. 348,786 W5ZO 288,585 14 MHZ W81O. 172,360 W310/8. 99,360 K2RK/3. 88,011 7 MHZ WA1FCN/4. 184,841 ABBYC. 64,044 NØVD/5. 41,118
SINGLE OP ORP	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 EA4KR 332,506 LU7HZ 552,860 JR3RWB 204,544 EA21 MHz EA22 4 MHz EA24 437,912 F/E/72T 275,139 F1EBN 145,834 14 MHz 3ZØX (SP5MXZ) 198,360 LZ2TU 82,450 K3TW/4 5,1253 MOVAA 127,734 YVSEN 114,933 SP9NSV 99,283 3.5 MHz OL4W (OK1F) 77,550 UT3L (URSLO) 58,344 Y0SWW 31,360	KBMFO	W8TOP. 34,036 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ 9,965,201 KS1J. 2,837,899 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB. 157,242 WA1S/4. 348,748 W5ZO 2288,585 V5ZO 2288,585 W5ZO 288,585 W8IQ. 172,366 W5ZO 288,585 W8IQ. 172,366 W5ZO 288,585 W8IQ. 172,366 W5ZO 288,585 W8IQ. 172,366 W5ZO 3,888,011 WA1FCN/4. 184,841 AB9YC. 64,044 NØVD/5. 41,118 AA4LR 6,674
SINGLE OP OIRP AII Bands PZ5AV (KØAV)	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 EA4KR 332,506 LU7HZ 252,860 JR3RWB 204,544 21 MHz EA2EA 437,912 F/E/ZT 275,139 F1EBN 145,834 14 MHz 3ZØX (SP5MXZ) 198,360 LZZTU 82,450 K3TW/4 51,253 K3TW/4 51,253 SP9NSV 99,283 3.5 MHz OL4W (OK1IP 77,550 UT3L (URSLO) 58,344 Y08WW 31,360 1.8 MHz HA7I (HA7JTR) 29,799	KBMFO	W8TOP. 34,036 N7GP (N51A). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 WD4AHZ. 3,062,040 KS1F.4 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 WB2AA. 2,121,55 KCØDEB. 157,242 21 MHz WA1S/4. 348,786 W5ZO. 2288,585 W5ZO. 2288,585 W5ZO. 288,586 W5ZO. 388,011 7 MHz W810. 172,360 K2RK/3. 88,011 7 MHz WA1FCN/4. 184,841 AB9YC. 64,044 NØVD/5. 41,118 AA4LR. 6,674 K2BB. 1,920
SINGLE OP QRP QRP AIR Bands PZ5AV (KØAV)	ORP All Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RA3AN 1,441,892 OK2FD 1,221,831	KBMFO	W8TOP. 34,030 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,768 WD4AHZ 3,062,040 KSIF4 2,965,201 KS1J. 2,895,201 KS1J. 2,287,898 W2AW (N2GM). 413,100 WB2AA. 212,155 KCØDEB. 157,242 WA1S/4 348,748 W5ZO 288,585 W5ZO 288,585 W5ZO 288,585 W5ZO 288,585 W5ZO 388,585 W5ZO 14 MHZ W810. 172,360 W5ZO 388,585 W810. 172,360 W5ZO 388,585 W810. 172,360 W5ZO 388,585 W810. 14 MHZ W810. 172,360 W310/8. 9,93,600 K2RK/3. 88,011 WA1FCN/4. 184,841 ABSYC 64,044 N0VD/5 41,118 AA4LR 6,674
SINGLE OP OIRP AII Bands PZ5AV (KØAV)	ORP AII Bands DM2M (DK3WE) 2,346,546 VE3KI 2,156,139 N20T/4 2,008,124 RASAN 1,441,892 OK2FD 1,221,831 EA4KR 332,506 LU7HZ 252,860 JR3RWB 204,544 21 MHz EA2EA 437,912 F/E/ZT 275,139 F1EBN 145,834 14 MHz 3ZØX (SP5MXZ) 198,360 LZZTU 82,450 K3TW/4 51,253 K3TW/4 51,253 SP9NSV 99,283 3.5 MHz OL4W (OK1IP 77,550 UT3L (URSLO) 58,344 Y08WW 31,360 1.8 MHz HA7I (HA7JTR) 29,799	KBMFO	W8TOP. 34,036 N7GP (N5IA). 22,500 AG4W. 16,048 SINGLE OP ASSISTED LOW POWER AII Bands W3KB. 3,859,200 N1EN. 3,232,766 W74W. 2,965,201 KS1J. 2,837,898 W2AW (N2GM). 413,100 W82AA. 212,155 KCOPDEB. 157,242 W41S/4. 348,786 W5ZO. 288,585 14 MHz W81O. 172,360 W31U/8. 99,366 W31U/8. 99,366 K2PK/3 88,011 VANFCN/4 184,841 AB9YC. 64,044 NØVD/5. 41,118 AA4LR. 6,674 K2BB. 1,920 1,8 MHz

Joining Krassy on the mountaintop was Alexey, EA8/RA1A, operating his way to the top 15-meter score. EA8AH (op. Jyrki, OH6CS) and VE6JY (op. Todd, VE5MX) were the only Assisted single banders to beat the top unassisted score of CS2C. Oleg, YL3DW, was a beacon from ES5OW and far ahead of all other 40-meter entries. OM2Y (Jan OM2IB) and UI, YL3FX, both exceeded 2000 contacts and DXCC on 80 meters.

All of the winning Single Op Assisted Low Power entrants were able to have higher scores than the top non-assisted entry in their category. Notable scores include MW5R (Anton, MW0EDX), who set a new European record for 40 meters. Mohamed, CN8KD, set a new World record for 15 meters.

QRP

The 499 QRP category entrants really enjoyed the great conditions. The top of the All Bands category was a virtual tie between PZ5AV and GJ2A with just 2,000 points separating them. Alan, KØAV, visited PZ5RA with the intention of doing a full 48-hour operation. However, a medical condition caused him to cut short his effort at only 30 hours. Even so, it was enough for the victory. U.S. QRP winner David, N1IX, summed up his operation as "the best conditions that I have ever experienced."

The top QRP single band score was on 40 meters by Didier, FY5FY, operating from the FY5KE location. He enjoyed using a 3-element Yagi at 30 meters and a 2-element Yagi at 20

meters to set a new World record. On 15 meters, ES5G was Gary, WS4T, using ES5TV's 40-element, 15-meter H-frame Yagi plus fixed Yagis for NA, JA, and EU. Wow. Both of these efforts show what big antennas can do for a QRP signal.

Over in the Assisted QRP All Bands category, the competition was even tougher with three scores over 2 million points.



Tonno, ES5TV, and Tibi, YO9GZU, running on 20 meters from European Multi-Single champion 4O3A. (Courtesy of 4O3A)

SINGLE OP ASSISTED	N4AF3,890,832	14 MHz	SN2M (SP2XF)865,605	SINGLE OP ASSISTED	3.5 MHz
QRP	N8II3,519,858	HA60A286,720	UW1M850,445	QRP	YU1Q24,384
All Bands		OH5TS232,227		All Bands	9A3DML15,150
N2QT/42,008,124	CLASSIC OVERLAY	RA3UAG195,285	21 MHz	DM2M (DK3WE)2,346,546	
N3CZ/4708,320	LOW POWER	7 MHz	S57AW999,210	RA3AN1,441,892	1.8 MHz
NØUR	K1BX2,691,584 K1HT1.606.458	SP60JE365.712	OK6W (OK1MU)939,736	OK2FD1,221,831 OK7CM962,676	HA5NB22,743
K8ZT571,586	K2LNS/31,223,405	E79D275.504	HA7GN839,550	LZ5W (LZ1YE)905,826	S53AR12,593
1,000	1,220,100	EV6Z196.298	14 MHz	22017 (22172)	
28 MHz			SO4M (SP5UAF)1,104,470	28 MHz	MULTI-OP
KU7Y9,828	EUROPE	3.5 MHz	OH8L (OH8LQ)1,042,782	EA4KR332,506	SINGLE TRANSMITTER
14 MHz	SINGLE OP	UA1AFT108,300	OMØM972,426	YT8T140,954	High Power
K3TW/451,253	HIGH POWER All Bands	OK2HBR97,754 YU1ED95,160		ES1CW88,125	403A
KB2YAN16,560	OHØV (OH6LI)7,393,869	1012535,100	7 MHz		IR4M
K2AL16,043	S5ØA6,652,163	1.8 MHz	ES50W (YL3DW)1,300,328	21 MHz	9A1P15,655,000
	G9W (MØDXR)6,576,280	E75A28,680	LY2FN872,320	EA2EA437,912 F/E72T275,139	SJ2W14,184,296
7 MHz	GD6IA (GM3WOJ)6,533,208	ER2RM21,090	S52AW858,690	F1EBN145,834	
N9AU69,426 KO3T12.825	YT6W6,410,485	OM3TSZ20,001	3.5 MHz	11251	Low Power
NU3112,025	28 MHz	SINGLE OP	OM2Y (OM2IB)502,502	14 MHz	YTØA5,721,120
MULTI-OP	9A3TR835,214	QRP	YL3FX498,365	3ZØX (SP5MXZ)198,360	LZ4T3,533,708
SINGLE TRANSMITTER	YT9A804,784	All Bands	DM7C459,600	LZ2TU82,450	DLØUM2,430,768 YR5N1,828,288
HIGH POWER	OL2N (OK1FDR)708,660	GJ2A (MJØASP)2,699,165	4.0.000	OH3KRH46,767	3Z1K1,826,266
K8AZ13,478,652		RT4W1,382,612	1.8 MHz		32 IX1,307,403
K5TR11,388,195	21 MHz	UC7K798,045	8SØDX (SMØDSG)149,634 PA3FYM138,047	7 MHz	MULTI-OP
K2QMF9,789,661 AA9A8,044,407	9A5X900,102 E73W882,645	HG6C (HA6IAM)795,278	9A5Y (9A3LG)128,856	MØVAA127,734	TWO TRANSMITTER
N2TX	S51TA830,280	28 MHz	0707 (07020)120,000	SP9NSV99,283	TM6M22,478,634
12.7	001111	LZ2RS157,380	SINGLE OP ASSISTED	EA3QP17,250	LX7I21,934,662 II9P20,625,411
MULTI-OP	14 MHz	SP5DDJ97,580	LOW POWER	3.5 MHz	0L4A20,039,940
SINGLE TRANSMITTER	CS2C (OK1RF)1,558,980	HA3HX65,065	All Bands	OL4W (OK1IF)77,550	ED1R17,997,608
LOW POWER	OH8X (OH6UM)1,364,648	04 8811-	UW5Q (UR3QCW)4,250,042	UT3L (UR5L0)58,344	25 777
N3ND/4	ES5MC (ES2MC)1,168,240	21 MHz ES5G (WS4T)204.183	M6W (G3WW)3,983,082	Y08WW31,360	MULTI-OP
NM1C	7 MHz	0H2BR123.375	OR2F (ON8LDS)3,956,750		MULTI-TRANSMITTER
W3HAC653,252	HA8JV914,424	SP4JFR106,821	UX4U (US7UX)3,866,572 G4PIQ3,769,275	1.8 MHz	9A1A28,713,888
K7RI597,699	YU7AV909,312		G4F1Q	HA7I (HA7JTR)29,799	DR1A24,653,332 LZ9W24,332,420
	RX1A800,442	14 MHz	28 MHz	DJ7WW19,089	DFØHQ23.319.875
MULTI-OP TWO TRANSMITTER	0.5.801-	US5VX130,260	PA1CC543,864	RU3K06,624	EA5KA22,680,960
NQ4I19,231,056	3.5 MHz CR2A (OH2BH)598,545	UA1ATD30,680 US5EFU22,646	9A7DX505,648	SINGLE OP	
K9CT18,595,010	ES5RY488,001	03321 022,040	IØUZF496,272	QRP	ROOKIE OVERLAY
K2LE/113,851,288	EI5DI394,723	7 MHz		All Bands	High Power
NØNI13,603,625		DR3W (DL6MHW)99,510	21 MHz	GJ2A (MJØASP)2,699,165	OK2SFP236,872 SV1RHL36,010
KN5010,813,712	1.8 MHz	OK2VWB91,575	LY5T (LY2KZ)570,190	RT4W1,382,612	0 11111
MULTI-OP	S51V176,040 OK2W (OK2WM)148,006	RT5R56,079	UX1AA555,616	UC7K798,045	Low Power
MULTI-TRANSMUITTER	S57M83,524	3.5 MHz	0L5W481,390	HG6C (HA6IAM)795,278 EU6DX690,744	DK6SP1,027,185
K3LR37.486.260	037WI00,024	YU1Q24.384		EU0DX090,744	DL3RHN528,736
W3LPL33,814,900		9A3DML15,150	14 MHz	28 MHz	CR7AJL496,160
W2FU32,753,084	SINGLE OP	OK8EYJ9,635	HA3DX (HA3UU)517,937 OL9R (OK6RA)501,176	LZ2RS157,380	CLASSIC OVERLAY
WE3C31,039,333	LOW POWER	4.0.000	0H2BV425,604	SP5DDJ97,580	High Power
WK1Q23,177,098	All Bands	1.8 MHz HA5NB22,743		HA3HX65,065	DL1IA03,150,030
ROOKIE OVERLAY	LY803,836,016 LI8W (LB1GB)2,977,788	S53AR	7 MHz	21 MHz	GM5X (GM4YXI)3,084,480
HIGH POWER	EA4KD2,789,496	R7NA5,450	MW5R (MWØEDX)779,034	ES5G (WS4T)204,183	YT5A (YT3W)2,960,282
K5MXG292,941	YU1EL1,559,595		9A3JH478,101	0H2BR123,375	SEØX (SMØMDG)1,613,628 LY4T1,603,134
K5WL35,464	9A3B (9A2VR)1,452,680	SINGLE OP ASSISTED	YU2A441,000	SP4JFR106,821	L1411,003,134
DOOKIE OVEDI AV	20 MH-	HIGH POWER	0.5.801-		Low Power
ROOKIE OVERLAY LOW POWER	28 MHz 9A3VM396,416	All Bands EA6FO (EA5BM)10,059,179	3.5 MHz LY3B200.298	14 MHz	OK1CZ1,080,596
W4TTM590,274	DL4AAE352,779	SN7Q (SP7GIQ)9,415,258	ER3AU	US5VX130,260 UA1ATD30,680	EA2NN
AEØEE405,588	HA8IB306,904	UW2M (URØMC)8,965,243	LZ2SC151,760	US5EFU22,646	LN7TTT (LA5LJA)954,030
		CR6K (CT1ILT)8,939,502			OK1TA931,675 DL5KUD913,308
AC2KJ161,120		S53MM7.522.119	1.8 MHz	7 MHz	223100310,300
AC2KJ161,120	21 MHz	0001VIIVI			
AC2KJ161,120 CLASSIC OVERLAY	UA2FL437,220	,, ,	SV2JA053,728	DR3W (DL6MHW)99,510	
AC2KJ161,120 CLASSIC OVERLAY HIGH POWER	UA2FL437,220 M60 (G3WGN)369,600	28 MHz	UA3MIF39,848	DR3W (DL6MHW)99,510 OK2VWB91,575	
AC2KJ161,120 CLASSIC OVERLAY	UA2FL437,220	,, ,	SV2JAO	DR3W (DL6MHW)99,510	
CLASSIC OVERLAY HIGH POWER	UA2FL437,220 M60 (G3WGN)369,600	28 MHz	UA3MIF39,848	DR3W (DL6MHW)99,510 OK2VWB91,575	

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Pit, DK3WE, operated as DM2M, using a very simple antenna setup and 44 hours in the chair to take the victory and break the European record from 2001. Richard, VE3KI, put in a strong effort to finish just ahead of the U.S. winner, Mark, N2QT/4. Gary, N7IR, had a personal best score and set a new record for Zone 3.

The QRP Assisted single band scores were excellent. Julio, EA4KR, set a new European record on 10 meters. Jose, EA2EA, more than doubled the world record on 15 meters. Laszlo, HA7JTR, operated HA7I to a new World record on 160 meters.

Overlay Categories

There were 66 entries in the Rookie Overlay category this year. The high score was by Philipp, DK6SP. Philipp is 17 years old and he has been licensed for just two days less than the 3-year cut off. Second place went to Mark, W4TTM, another "experienced" rookie in his last year of eligibility for the category.

The Classic Overlay is gaining in popularity with 517 entries in only its second year. Classic entrants may only use one radio, no DX Cluster, and count only their first 24 hours of operating time for their score. Petr, OK1CZ, expressed his feelings, "the new Classic category is most welcome, allowing one to be able to sleep and do other chores during the weekend and feel OK after the contest."

In the Classic High Power category, it was Andrew, AE6Y, enjoying a family vacation in Aruba and operating as P49Y. Marko, N5ZO, was doing a full-on single operator effort from ZD8O, but his score in the first 24 hours put him in second place. After finishing second in the U.S. for SSB, Peter,

"DXCC on 10 meters in a weekend with a 10 meter dipole only 8 feet above the ground is not bad." – NI7R

K3ZM/4, made it to the top on CW just ahead of Howie, N4AF. Howie had this comment on his experience, "my first time [doing] Classic. I think [the] format is a real winner and really appreciate there being a class where the participant must actually use human skills as opposed to point-n-click." The best European score was from WRTC2014 bronze medalist Stefan, DL1IAO.

The Classic Low Power title went to John, W2GD, operating at P4ØW; some consolation after finishing second in the traditional Low Power category. Art, K1BX, put in exactly 24 hours to finish second overall and first in the U.S. DL7VOA enjoyed 27 hours out of his holiday to operate J34O for third place.

Multi-Operator Single-Transmitter

The Multi-One category continues to be the "Formula 1" of ham radio. Only those teams with the most technology and operating skills can compete for a place on the podium. Led by RA3AUU, a team of seven operators practiced a sophisticated dance of running and in-band QSO chasing to earn the victory. The second-place finisher, just a few points behind, was an all-star crew of WRTC2014 competitors led by CT1BOH. In third place, and with the new European record that was their goal, was team 4O3A. They credited the experience from their SSB operation with helping to refine the station, operators, and strategy. The team at 9A1P reported working 2581 in-band QSOs yet could only finish fourth in Europe.

	2014 CQ WW DX CW BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES												
	Number groups indicate: QSOs/Zones/Countries on each band												
WORLD SINGLE OPERATOR ALL BAND						USA TOP SINGLE OPERATOR ALL BAND							
Station	160	80	40	20	15	10	Station	160	80	40	20	15	10
V47T A71BX VE2IM 8P5A K3CR	169/13/35 263/15/53 197/11/25 266/12/42 72/15/44	788/20/82 458/24/74 926/27/85 657/21/70 552/23/81	1632/29/98 1559/31/89 1634/30/98 1351/29/87 1323/33/107	1897/33/103 1067/30/92 1510/34/110 1474/32/96 966/35/105	1278/30/100 1296/30/95	1822/36/114	K3CR KØDQ/1 K1DG W1KM K1TO	72/15/44 211/14/56 232/17/62 104/13/45 64/15/36	552/23/81 539/20/80 520/18/73 683/23/84 503/20/71	1323/33/107 1158/33/103 1156/30/99 1088/30/91 1355/27/91	966/35/105 1236/32/105 945/36/105 1014/32/98 1134/32/103		1265/34/104 1011/29/100 1268/33/110 1185/27/89 1069/27/98
	WORL	SINGLE (PERATOR	ASSISTED	ALL BAND)		USA S	SINGLE OF	PERATOR A	SSISTED A	LL BAND	
K5ZD/1 P4ØC K3WW EA6FO N3RS	106/17/62 54/6/10 96/15/60 102/11/54 73/16/49	499/24/96 486/21/72 303/26/98 215/23/86 356/30/101	1155/39/126 1372/30/100 983/35/120 1401/40/132 820/38/129	1093/38/142 1204/34/88 1265/37/136 1369/39/131 963/37/134	1043/31/86 898/33/117 1315/39/137	1005/35/133 2083/32/106 1159/31/118 1120/39/140 974/34/138	K5ZD/1 K3WW N3RS AB3CX/2 K1AR	106/17/62 96/15/60 73/16/49 57/11/30 97/17/56	499/24/96 303/26/98 356/30/101 268/19/80 366/28/99	1155/39/126 983/35/120 820/38/129 866/33/114 785/39/133	1093/38/142 1265/37/136 963/37/134 899/38/124 613/39/135	1135/37/138 898/33/117 846/36/124 793/36/125 882/38/141	1159/31/118
	WORLD	MULTI-OF	PERATOR S	SINGLE TRA	NSMITTE	R		USA N	IULTI-OPE	RATOR SI	NGLE TRAN	ISMITTER	
P33W CR3A 403A PJ4Q RM9A	422/15/76 121/13/78 286/18/85 57/11/35 305/13/62	1352/36/116 784/29/108 1192/34/118 422/25/88 1096/28/103	1984/39/144 2272/39/147 1860/31/112	2011/39/156 2592/39/154 1741/38/151 1800/38/133 1557/38/151	2223/40/162 1750/39/155	1897/33/140	K8AZ K5TR K2QMF AA9A N2TX	51/14/51 36/14/36 63/11/45 35/9/35 5/4/5	176/28/101	1157/36/120	1505/39/143 814/39/148 1090/38/137 584/39/129 873/36/134	1107/39/152 638/37/124 695/37/136	1030/35/147 1026/35/153 910/33/131 768/31/128 970/33/128
	WORL	D MULTI-C	PERATOR	TWO TRAN	ISMITTER			USA	MULTI-OF	PERATOR T	WO TRANS	MITTER	
CR3L PJ4A PJ2T VE3EJ PW7T	387/16/70 256/17/39 344/19/56 412/24/75 1/1/1	1278/30/107	3359/38/136 2768/35/121 2803/33/121 2330/38/135 1957/35/123	1926/37/151 2631/38/132 1936/36/123 1683/39/141 1826/38/141	3155/37/127 3214/36/123 2270/38/145	2595/32/119	NQ4I K9CT K2LE/1 NØNI KN5O	56/15/36 81/18/54 44/13/26 94/16/50 50/13/31	285/31/102 595/22/87 396/32/102	1957/40/139 1461/39/135 1456/34/117 1119/38/119 1162/37/124	1672/39/149 1601/39/148 1273/39/131 1434/38/130 978/38/121	1798/38/150 2026/39/159 1496/39/127 1377/37/138 1407/36/130	1449/38/154 1505/37/158 1444/35/122 1169/36/139 1201/37/117
	WORLD	MULTI-0	PERATOR	MULTI-TRA	NSMITTER	R		USA N	/IULTI-OPI	ERATOR M	ULTI-TRAN	SMITTER	
CN2AA HK1NA 9K2HN K3LR PJ2T	1470/24/94 672/19/56 889/17/64 389/23/80 824/20/77	1673/28/102 2231/30/103 1534/35/120	2944/39/128	5704/39/161 3695/39/152 3721/39/153 3370/39/165 3277/39/141	3257/39/154 2668/39/145 2664/38/161	2718/39/145	K3LR W3LPL W2FU WE3C WK1Q	389/23/80 435/20/82 426/19/78 404/19/78 315/19/78	1575/35/122 1473/35/120 1109/33/118	2823/40/150 2508/40/145 2348/40/141 2418/39/147 1761/40/140	3370/39/165 3058/39/154 2719/39/155 2538/39/154 2133/39/151	2664/38/161 2576/39/158 2636/39/166 2793/39/158 1897/39/152	1882/38/158 2031/39/156 1777/38/151



EUROPE TOP SINGLE OPERATOR ALL BAND							
Station	160	80	40	20	15	10	
OHØV	358/9/41	656/17/58	1156/30/91	1489/35/99	1631/33/95	885/34/97	
S5ØA	116/9/48	823/23/82	1234/28/94	893/31/100	848/33/104	860/32/95	
G9W	268/12/45	667/17/66	1070/30/89	939/33/90	908/30/97	1015/36/101	
GD6IA	308/8/49	568/15/63	956/26/82	976/27/82	1445/30/87	1496/27/88	
YT6W	132/8/46	395/19/67	1376/34/98	1123/32/95	1064/30/99	698/32/95	
	EUR0P	E SINGLE	OPERATOR	R ASSISTED	ALL BANI	D	
EA6F0	102/11/54	215/23/86	1401/40/132	1369/39/131	1315/39/137	1120/39/140	
SN7Q	146/14/57	618/32/105	1117/35/102	1173/36/116	1246/34/132	746/38/138	
UW2M	117/22/78	757/36/114	1198/40/136	645/39/135	848/39/146	1141/39/147	
CR6K	164/11/56	754/26/101	1178/38/125	506/36/118	1256/37/135	1196/36/139	
S53MM	160/9/57	595/23/86	1249/39/125	912/38/126	691/38/121	733/37/118	
	EUROP	E MULTI-0	PERATOR	SINGLE TR	ANSMITTE	R	
403A	286/18/85	1192/34/118	2272/39/147	1741/38/151	1750/39/155	1947/39/155	
OM7M	259/18/86	569/30/116	2124/40/145	1227/40/153	1476/40/156	1582/39/157	
IR4M	78/16/78	539/31/115	2053/39/143	1677/38/150	1487/39/148	1264/37/149	
9A1P	115/14/83	1007/32/112	1884/39/144	1547/38/151	1327/37/152	1571/38/154	
SJ2W	192/14/65	283/30/108	1182/39/141	2005/38/142	1813/39/146	1133/37/153	
	EUR0	PE MULTI-	OPERATOR	R TWO TRA	NSMITTER	1	
TM6M	488/14/68	1466/33/112	1818/40/142	1976/38/144	2947/39/151	1839/40/160	
LX7I	700/17/78	1889/34/111	2291/39/137	2563/39/147	2314/39/152	1659/38/152	
II9P	445/23/83	1185/35/116	2177/40/141	2228/39/149	2118/39/150	2247/39/157	
OL4A	374/17/70	1341/35/113	2343/40/147	2090/39/153	1692/39/154	1634/39/157	
ED1R	231/16/74	1123/28/106	2402/40/141	1575/39/149	2475/38/142	1528/39/149	
	EUROP	E MULTI-0	PERATOR	MULTI-TRA	NSMITTE	R	
9A1A	1523/23/87	2314/33/110	3295/40/148	3069/39/146	2602/39/153	2091/39/151	
DR1A	1204/18/85	2095/35/117	2528/40/146	2649/39/150	2002/39/151	1737/38/154	
LZ9W	1178/17/74	2084/33/111	3284/40/139	3061/39/152	2519/39/152	1824/38/146	
DFØHQ	1129/20/81	2002/32/111	3241/40/147	2442/39/148	1983/39/147	1574/39/142	
EA5KA	834/14/67	1385/28/98	2721/40/142	2749/39/149	2571/39/151	2048/38/155	

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Installing antennas at 3B8MU. Olof, GØCKV is holding the mast and Oliver, W6NV, is looking up. The 3B8MU team used simple antennas to operate in the multi-multi category and make a lot of people happy with zone 39. (Courtesy of GØCKV)

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The team at K8AZ near Cleveland, Ohio, held off the hard charging Texans of K5TR for the U.S. win.

This year saw the creation of a new Low Power division of the Multi-One category. The inaugural winner is the team at HI3A, which made over 6,000 contacts. YTØA had the high European score. The U.S. winner was N3ND/4 in the first contest from a new location. It seems to work!

Multi-Two

The competition in the Multi-Two category is so close that even the smallest strategy error or copying mistake can make a difference in the standings. The German team at CR3L relied on their access to Europe to make the winning score. The next three places are within 0.3% of each other! After all of the log checking was done, it was the team with the most accurate log that claimed second place — P3F. Just a few points back was a four-operator crew PJ4A. This was the

"If this weekend didn't get you excited, time to find a different hobby." – N1UR

second year for the Field Day style effort of TCØA. The Bulgarian team took a week to erect 10 transmit antennas, then reported it only took four hours to get them down after the contest was over.

The top European score was achieved by TM6M, who finished just ahead of LX7I. In the U.S., it was NQ4I in Georgia just getting by K9CT in Illinois. These two teams use the online scoreboard at cqcontest.ru to keep the operators engaged and focused on the race.

Multi-Unlimited

The goal for Multi-Unlimited teams is simple — work everyone on every band during the 48 hours of the contest. No

2014 CQ WW CW & SSB COMBINED CLUB SCORES CONTEST CLUB FINI AND

	- 4	2017 00
United States		
United States		Total Coore
YANKEE CLIPPER CONTEST CLUB		Total Score
FRANKFORD RADIO CLUB		
POTOMAC VALLEY RADIO CLUB		
FLORIDA CONTEST GROUP	96	125,829,247
SOCIETY OF MIDWEST CONTESTERS	135	118,689,265
NORTH COAST CONTESTERS	26	115,382,880
MINNESOTA WIRELESS ASSN	110	111,357,053
NORTHERN CALIFORNIA CONTEST CLUB ARIZONA OUTLAWS CONTEST CLUB	101	94,982,812
SOUTHERN CALIFORNIA CONTEST CLUB	103	/8,9/6,58/
TENNESSEE CONTEST GROUP	00	64 000 160
SOUTH EAST CONTEST CLUB	22	53 950 709
CAROLINA DX ASSOCIATION		
CENTRAL TEXAS DX AND CONTEST CLUB	24	43,972,131
MAD RIVER RADIO CLUB	33	41,678,259
WESTERN WASHINGTON DX CLUB		
DFW CONTEST GROUP	62	35,514,790
ALABAMA CONTEST GROUP	37	28,039,891
HUDSON VALLEY CONTESTERS AND DXERS. GRAND MESA CONTESTERS OF COLORADO	33	26,765,617
IOWA DX AND CONTEST CLUB	∠b Ω	24,877,308
WILLAMETTE VALLEY DX CLUB	0 41	22 676 651
BOZINGA DX AND CONTEST CLUB	5	17.944.841
LOUISIANA CONTEST CLUB	15	16 269 575
MOTHER LODE DX/CONTEST CLUB	28	16.007.281
NORTHERN ROCKIES DX ASSOCIATION	6	15,089,331
GEORGIA CONTEST GROUP	24	10,547,567
UTAH DX ASSOCIATIONNIAGARA FRONTIER RADIOSPORT	21	9,847,086
NIAGARA FRONTIER RADIOSPORT	13	9,331,434
NORTH TEXAS CONTEST CLUBSPOKANE DX ASSOCIATION	8	8,482,944
MADISON DX CLUB	21	7 602 062
CTRI CONTEST GROUP	15	7 488 973
KANSAS CITY CONTEST CLUB		
ROCHESTER (NY) DX ASSN		
BAY AREA DXERS	6	6,090,994
BRISTOL (TN/VA) ARC	18	6,028,432
HILLTOP TRANSMITTING ASSN	10	5,896,218
TEXAS DX SOCIETYNORTH CAROLINA DX AND CONTEST CLUB	8	4,290,499
DELARA CONTEST TEAM	18	3,497,973
MISSISSIPPI VALLEY DX/CONTEST CLUB	10	2.064.705
NORTHEAST MARYLAND AMATEUR RADIO	10	2,964,705
CONTEST SOCIETY	7	2.469.820
BERGEN ARA		
METRO DX CLUB	15	1,793,437
SALT CITY DX ASSOCIATION	4	1,710,554
MIDLAND AMATEUR RADIO CLUB	5	1,658,454
PANHANDLE DX AND CONTEST CLUB	6	1,136,246
SKYVIEW RADIO SOCIETYKANSAS CITY DX CLUB	11	1,104,566
SOUTH TEXAS DX AND CONTEST CLUB	4	770,560
WEST PARK RADIOPS	4	666 080
BURLINGTON COUNTY RADIO CLUB		
KENTUCKY CONTEST GROUP	6	628.686
SWAMP FOX CONTEST GROUP		
PUEBLO WEST AMATEUR RADIO CLUB	4	603,313
IDAHO DX ASSOCIATION	7	535,244
SHENANDOAH VALLEY WIRELESS	5	422,758
BRAZOS VALLEY AMATEUR RADIO CLUB	6	409,347
GREAT SOUTH BAY AMATEUR RADIO CLUB	4	351,090
MILFORD OHIO AMATEUR RADIO CLUBSTERLING PARK AMATEUR RADIO CLUB	/	106 103
NEW PROVIDENCE AMATEUR RADIO CLUB	5	97 209
NORTH TEXAS RADIOSPORT ASSOCIATION	4	30.245
		,=
DY		
BAVARIAN CONTEST CLUB	254	401 400 550
ITALIAN CONTEST CLUB	340	256 587 250
RHEIN RUHR DX ASSOCIATION	205	238.062.334
CONTEST CLUB ONTARIO	104	204,848,537
EA CONTEST CLUB	93	178.045.549
CROATIAN CONTEST CLUB	91	116,872,161
ARAUCARIA DX GROUP	76	114,420,704

DX								
BAVARIAN CONTEST CLUB	354	401,499,558						
ITALIAN CONTEST CLUB	340	256,587,359						
RHEIN RUHR DX ASSOCIATION	205	238,062,334						
CONTEST CLUB ONTARIO	104	204,848,537						
EA CONTEST CLUB	93	178,045,549						
CROATIAN CONTEST CLUB	91	116,872,161						
ARAUCARIA DX GROUP	76	114,420,704						
UKRAINIAN CONTEST CLUB	120	104,236,352						
SLOVENIA CONTEST CLUB	76	103,474,503						

CONTEST CLUB FINLAND	74	95,469,652
URAL CONTEST GROUP	45	73,607,972
SP DX CLUBKAUNAS UNIVERSITY OF TECHNOLOGY	.115	68,710,496
KAUNAS UNIVERSITY OF TECHNOLOGY		
RADIO CLUB	54	67,744,888
LU CONTEST GROUP	52	65,638,737
ORCA DX AND CONTEST CLUB	92	56,950,570
ORCA DX AND CONTEST CLUB	43	55,733,089
CHILTERN DX CLUB	38	55,219,670
BLACK SEA CONTEST CLUB	96	52,697,748
HA-DX-CLUB	25	48,450,351
LZ CONTEST TEAM	4	44,234,318
VK CONTEST CLUB	29	42.963.704
LATVIAN CONTEST CLUB	43	42.770.698
CLIPPERTON DX CLUBSKY CONTEST CLUB	19	42.522.829
SKY CONTEST CLUB	7	36.281.495
SOUTH LIBAL CONTEST CLUB	21	30 319 103
SOUTH URAL CONTEST CLUBWEY VALLEY AMATEUR RADIO GROUP	6	29 162 884
CONTEST GROUP DU QUEBEC	19	28 910 913
BELABUS CONTEST CLUB	38	27 881 569
BELARUS CONTEST CLUBWORLD WIDE YOUNG CONTESTERS	15	26 559 590
RUSSIAN CW CLUB	79	25 933 774
DANISH DX GROUP	28	25 720 261
RUSSIAN CONTEST CLUB	42	24 602 460
BELOKRANJEC CONTEST CLUB	12	20 727 279
LA CONTEST CLUB	12	15 006 150
CE CONTEST GROUP	1 /	15,836,138
VO DV OLUD	-	10 505 000
YO DX CLUB S99 CONTEST CLUB LITHUANIAN CONTEST GROUP UNIVERSITY OF TOKYO CONTEST CLUB SIAM DX GROUP VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	29	13,505,323
599 CONTEST CLUB	15	13,121,744
LITHUANIAN CONTEST GROUP	8	12,320,154
UNIVERSITY OF TORYO CONTEST CLUB	/	11,916,822
SIAM DX GROUP	13	11,674,146
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUE	316	11,651,750
IRKUTSK RADIO CLUBRADIO CLUB VENEZOLANO CARACAS	14	11,421,465
RADIO CLUB VENEZOLANO CARACAS	19	10,680,553
SHAKHAN CONTEST CLUB	4	9,762,329
MICHURINSK CONTEST GROUP	7	9,066,468
RIIHIMAEN KOLMOSET	8	9,060,398
MICHURINES CONTEST CLUB MICHURINSK CONTEST GROUP RIIHIMAEN KOLMOSET UNIO RADIOAFICIONATS VALLES ORIENTAL ARCK	7	8,628,283
ARCK	26	8,384,008
YB LAND DX CLUBCATALONIA CONTEST CLUB	45	7,598,537
CATALONIA CONTEST CLUB	17	7.493.062
RIO DX GROUPBOSNIA AND HERZEGOVINA CONTEST CLUB	35	7.254.742
BOSNIA AND HERZEGOVINA CONTEST CLUB	18	7.057.197
LES NOUVELLES DX.	7	6.815.802
LES NOUVELLES DX	9	6.663.233
RADIOSPORT MANITOBA THREE A'S CONTEST GROUP	6	6 632 656
THREE A'S CONTEST GROUP	7	6 585 351
OMSK RADIO CLUB	8	6 551 389
MARITIME CONTEST CLUB	18	6 525 253
LITTLE CLIN CLUB	10	6 291 430
LITTLE GUN CLUBWEST SERBIA CONTEST CLUB	14	0,201,430
WEST SENDIA CONTEST CLUB	14	5,601,774
HAROS RADIO CLUB ALRS ST PETERSBURG GRIMSBY AMATEUR RADIO SOCIETY	5	5,541,050
ALRO ST PETEROBURG	18	5,489,742
ARKTIKA	10	4,833,440
RU-QRP CLUB	23	4,805,958
GIPANIS CONTEST GROUP	12	4,/53,119
YOKOHAMA DX CLUB	4	4,644,271
CSTA BUCURESTIFAR EAST ISLANDS DX CLUB	6	4,520,697
FAR EAST ISLANDS DX CLUB	4	4,306,886
TEMIRTAU CONTEST CLUB	6	4,305,306
NOVOKUZNETSK RADIO CLUB	19	3,981,421
FALKOPINGS RADIOCLUB	8	3,830,089
FALKOPINGS RADIOCLUBTHRACIAN ROSE CLUB	25	3,639,744
DONBASS CONTEST CLUB	23	3,394,677
BRIMHAM CONTEST GROUP	4	3,355,214
SK4DM VASTERBERGSLAGENS SANDAR		
AMATORER	6	3,161,883
RADIO CLUB HENARES	4	3,130,027
R4F-DX-G	9	3.028.362
UA2 CONTEST CLUB	8	3,007,320
UA2 CONTEST CLUB	4	2,916.172
SP-CW-C	5	2.907.068
VRHNIKA CONTESTERS	7	2.780 621
Z37M CONTEST TEAM.	7	2.641.059
SARATOVSKAYA OBLAST RADIO CLUB	7	2 603 316
WALATSIAN 10 METER GROOP	9	2 523 221

SOUTHERN OSAKA CONTEST CLUB		_	
TARTU CONTEST TEAM VERENIGING VAN RADIO ZEND AMATEURS. 10. 2.400,668 EAST COAST CONTESTERS. 4. 2,338,980 BRISTOL CONTEST GROUP. 5. 2,200,439 SOUTH GERMAN DX GROUP. 12. 2,200,042 PETERBOROUGH AMATEUR RADIO CLUB. 9. 2,173,919 PEMBROKESHIRE CONTEST GROUP. 4. 2,108,620 ORENBURG CONTEST CLUB. 7. 2,070,054 SERPUKHOV RADIO CLUB. 5. 1,991,813 ADMIRA ARAD. CONTEST CLUB. 6. 1,961,051 SASKATCHEWAN CONTEST CLUB. 6. 1,961,051 SASKATCHEWAN CONTEST CLUB. 6. 1,784,105 KISLW ESKILSTUNA SANDAREAMATORER. 6. 1,785,733 CHELTENHAM AMATEUR RADIO ASSOCIATION. 8. 1,764,019 CZEOH CONTEST CLUB. 9. 1,595,934 RADIO CLUB PARMA. 4. 1,595,634 RADIO CLUB CONTEST CLUB. 7. 1,483,739 DOMODEDOVO. 8. 1,449,106 LOMA DEL TORO CONTEST CLUB. 7. 1,390,326 CSM CLUJ-NAPOCA. 6. 1,376,463 SAYAN DX CLUB. 7. 1,327,825 MEDITERRANEO DX CLUB. 6. 1,306,393 SAYAND X CLUB. 7. 1,327,825 MEDITERRANEO DX CLUB. 6. 1,306,393 KEYMEN'S CLUB DF JAPAN. 19 1,125,094 KEYMEN'S CLUB DF JAPAN. 19	SOUTHERN OSAKA CONTEST CLUB	9	2,489,640
EAST COAST CONTESTERS 4 2,338,980 BRISTOL CONTEST GROUP 5 2,304,339 SOUTH GERMAN DX GROUP 12 2,200,042 PETERBOROUGH AMATEUR RADIO CLUB 9, 2,173,919 PEMBROKESHIRE CONTEST GROUP 4 2,108,620 ORENBURG CONTEST CLUB 7 2,070,054 SERPUKHOV RADIO CLUB 5 1,991,813 ADMIRA ARAD 6 1,991,051 SASKATCHEWAN CONTEST CLUB 6 1,991,051 SASKATCHEWAN CONTEST CLUB 6 1,981,051 SASKATCHEWAN CONTEST CLUB 6 1,784,079 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,595,644 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,510,739 DOMODEDOVO 8 1,449,106 LOMA DEL TORO CONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,106 COM CLUJ-NAPOCA 6 1,376,439 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 6 1,306,390 STAVROPOL REGION CONTEST CLUB 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KEYWEN'S CLUB OF JAPAN 19 1,125,094 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KE	IVANOVO DX CLUB	8	2,485,433
EAST COAST CONTESTERS 4 2,338,980 BRISTOL CONTEST GROUP 5 2,304,339 SOUTH GERMAN DX GROUP 12 2,200,042 PETERBOROUGH AMATEUR RADIO CLUB 9, 2,173,919 PEMBROKESHIRE CONTEST GROUP 4 2,108,620 ORENBURG CONTEST CLUB 7 2,070,054 SERPUKHOV RADIO CLUB 5 1,991,813 ADMIRA ARAD 6 1,991,051 SASKATCHEWAN CONTEST CLUB 6 1,991,051 SASKATCHEWAN CONTEST CLUB 6 1,981,051 SASKATCHEWAN CONTEST CLUB 6 1,784,079 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,595,644 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,510,739 DOMODEDOVO 8 1,449,106 LOMA DEL TORO CONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,106 COM CLUJ-NAPOCA 6 1,376,439 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 6 1,306,390 STAVROPOL REGION CONTEST CLUB 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KEYWEN'S CLUB OF JAPAN 19 1,125,094 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KE	TARTU CONTEST TEAM	5	2,460,546
EAST COAST CONTESTERS 4 2,338,980 BRISTOL CONTEST GROUP 5 2,304,339 SOUTH GERMAN DX GROUP 12 2,200,042 PETERBOROUGH AMATEUR RADIO CLUB 9, 2,173,919 PEMBROKESHIRE CONTEST GROUP 4 2,108,620 ORENBURG CONTEST CLUB 7 2,070,054 SERPUKHOV RADIO CLUB 5 1,991,813 ADMIRA ARAD 6 1,991,051 SASKATCHEWAN CONTEST CLUB 6 1,991,051 SASKATCHEWAN CONTEST CLUB 6 1,981,051 SASKATCHEWAN CONTEST CLUB 6 1,784,079 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,595,644 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,510,739 DOMODEDOVO 8 1,449,106 LOMA DEL TORO CONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,106 COM CLUJ-NAPOCA 6 1,376,439 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 6 1,306,390 STAVROPOL REGION CONTEST CLUB 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KEYWEN'S CLUB OF JAPAN 19 1,125,094 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KE	VERENIGING VAN RADIO ZEND AMATEURS	10	2,400,668
BRISTOL CONTEST GROUP 5 2, 200, 339 SOUTH GERMAN DX GROUP 12 2, 200, 439 PEMBROKESHIRE CONTEST GROUP 6 2, 173, 919 PEMBROKESHIRE CONTEST GROUP 7 2, 070, 054 SERPUKHOV RADIO CLUB 5 1, 991, 813 SANATOHEWAN CONTEST CLUB 6 1, 1818, 916 SKSLW ESKILSTUNA SANDAREAMATORER 6 1, 1851, 336 CHELTENHAM AMATEUR RADIO ASSOCIATION 8 1, 764, 019 CTS MADEIRA CONTEST TEAM 4 1, 705, 791 CTS MADEIRA CONTEST TEAM 4 1, 705, 791 CTS MADEIRA CONTEST GROUP 9 1, 1995, 934 RADIO CLUB PARMA 4 1, 1905, 934 RADIO CLUB PARMA 5 1, 1907, 939 PCONTEST CLUB 7 1, 1809, 936 SAYAN DX CLUB 7 1, 1909, 936 SAYAN DX CLUB 8	FAST COAST CONTESTERS	4	2 338 980
SOUTH GERMAN DX GROUP PETERBOROUGH AMATEUR RADIO CLUB. 9 2, 173,919 PEMBROKESHIRE CONTEST GROUP 4 2, 108,620 ORENBURG CONTEST CLUB 7, 2,070,684 SERPUKHOV RADIO CLUB. 5, 1,991,813 ADMIRA ARAD. 6, 1,961,051 SASKATCHEWAN CONTEST CLUB. 6, 1,891,819 CKSLW ESKILSTUNA SANDAREAMATORER 6, 1,795,733 CHELTENHAM AMATEUR RADIO ASSOCIATION. 8, 1,764,701 CT3 MADEIRA CONTEST TEAM. 4, 1,705,791 CZECH CONTEST CLUB. 9, 1,595,648 VLADIMIR CONTEST GROUP. 8, 1,522,723 NOVOSIBIRSK CONTEST CLUB. 7, 1,483,789 DOMODEDOVO. 8, 1,449,106 COMA DEL TORO CONTEST CLUB. 7, 1,390,326 CSM CLUB-NAPOCA. 6, 6,1376,433 CSM CLUB. 7, 1,390,326 CSM CLUB-NAPOCA. 6, 6,1376,436 GRUPO DXXE. 7, 1,327,825 MEDITERRANEO DX CLUB. 6, 1,306,303 STAYROPOL REGION CONTEST CLUB. 5, 1,256,943 KEYMENS CLUB GF JAPAN. 19, 1,25,094 KEYMENS CLUB. 5, 1,056,038 CW OPERATORS CLUB. 5, 1,056,038 CM OPE	BRISTOL CONTEST GROUP	5	2 304 339
PEMBROKESHIRE CONTEST GROUP 4 2,108,620 ORENBURG CONTEST CLUB 5 1,991,813 ADMIRA ARAD 6 1,991,613 SASKATCHEWAN CONTEST CLUB 6 1,818,916 SKSLW ESKILSTUNA SANDAREAMATORER 6 1,785,733 CHELTENHAM MARTEUR RADIO ASSOCIATION 8 1,764,019 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,595,648 VLADIMIR CONTEST GROUP 8 1,522,23 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 P CONTEST CLUB 7 1,490,735 SAYAN DX CLUB 7 1,390,535 SAYAN DX CLUB 7 1,	COLITH CERMAN DV CROUP	10	2 200 042
PEMBROKESHIRE CONTEST GROUP 4 2,108,620 ORENBURG CONTEST CLUB 5 1,991,813 ADMIRA ARAD 6 1,991,613 SASKATCHEWAN CONTEST CLUB 6 1,818,916 SKSLW ESKILSTUNA SANDAREAMATORER 6 1,785,733 CHELTENHAM MARTEUR RADIO ASSOCIATION 8 1,764,019 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,595,648 VLADIMIR CONTEST GROUP 8 1,522,23 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 P CONTEST CLUB 7 1,490,735 SAYAN DX CLUB 7 1,390,535 SAYAN DX CLUB 7 1,	DETERDOROUGH ANATEUR DARIO OLUR	12	2,200,042
ADMIRA ARAD	PETERBUROUGH AMATEUR RADIO CLUB	9	2,173,919
ADMIRA ARAD	PEMBROKESHIRE CONTEST GROUP	4	2,108,620
ADMIRA ARAD	ORENBURG CONTEST CLUB	7	2,070,054
ADMIRA ARAD	SERPUKHOV RADIO CLUB	5	1.991.813
SASKATCHEWAN CONTEST CLUB 6 1,785,733 CHELTENHAM AMATEUR RADIO ASSOCIATION 8 1,764,019 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,934 RADIO CLUB PARMA 4 1,595,648 VADMINI CONTEST GROUP 8 1,592,723 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,106 LOMA DEL TORO CONTEST CLUB 7 1,390,326 SAYAN DX CLUB 7 1,390,326 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,463 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,463 SAYAN DX CLUB 6 1,306,390 STAVROPOL REGION CONTEST CLUB 6 1,306,390 STAVROPOL REGION CONTEST CLUB 5 1,256,434 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KRIVBASS 8 1,060,102 CW OPERATORS CLUB 5 1,052,645 SESSARABIAN CONTEST CLUB 5 1,052,645 SUNIDON AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB 5 1,052,645 SESSARABIAN CONTEST CLUB 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB 5 993,236 OBNINSK QRU CLUB 7 686,238 KILMARNOCK AND LOUDOUN ARC 5 782,961 SUNIDON AND DISTRICT AMATEUR RADIO CLUB 7 7 656,238 KALININISARA PADIO CLUB 5 300,203 KILMARNOCK AND LOUDOUN ARC 5 782,961 SURJORD AND AND LOUDOUN ARC 5 782,961 SURJORD AND AND LOUDOUN ARC 5 782,961 SESARA WISINGENS RADIOKLUBB 9 608,132 SOLLE RADIO CLUB 4 775,953 OREL RADIO CLUB 4 759,933 SOLLE RADIO CLUB 5 510,424 SM TIMISOARA 4 649,650 SEAGAW HISINGENS RADIOKLUBB 9 706,424 CSM TIMISOARA 4 649,650 SEAGAW HISINGENS RADIOKLUBB 9 706,424 CSM TIMISOARA 4 649,650 SEAGAW HISINGENS RADIOKLUBB 9 706,424 CSM TIMISOARA 4 649,650 SEAGAW HISINGENS RADIOKLUBB 7 7 574,641 NOSCOW RADIO CL	ΔΡΜΙΒΑ ΔΒΑΡ	6	1 961 051
SKSL W ESKILSTUNA SANDAREAMATORER 6 1,785,733 CHELTENHAM AMATEUR RADIO ASSOCIATION 8 1,764,791 CT3 MADEIRA CONTEST TEAM 4 1,705,791 CZECH CONTEST CLUB 9 1,595,594 NLADIMIRI CONTEST GROUP 8 1,522,723 SOVOSIBIRISK CONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,106 LOMA DEL TORO CONTEST CLUB 5 1,390,335 SAYAN DX CLUB 7 1,390,326 CSM CLUI-NAPOCA 6 1,366,362 GSM CLUI-NAPOCA 6 1,366,363 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 6 1,366,303 STAVROPOL REGION CONTEST CLUB 5 1,256,943 KEYMENS CLUB OF JAPAN 19 1,125,094 KEYMENS CLUB OF JAPAN 19 1,125,094 KEYMENS CLUB OF JAPAN 19 1,056,038 CW OPERATORS CLUB 5 1,056,038 CW OPERATORS CLUB 5 1,056,038 CW OPERATORS CLUB 5	CACKATCHEWAN CONTECT OF UP	e	1 010 016
CZECH CONTEST CLUB 9 1,595,948 VLADIMIR CONTEST GROUP 8 1,595,648 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 PCONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,105 LOMA DEL TORO CONTEST CLUB 5 1,390,535 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 5 1,256,943 KEYMEN'S CLUB 0F JAPAN 19 1,125,094 KEYMEN'S CLUB 19 1,125,094 KEYMEN'S	SASKATCHEWAN CONTEST CLUB	0	1,818,916
CZECH CONTEST CLUB 9 1,595,948 VLADIMIR CONTEST GROUP 8 1,595,648 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 PCONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,105 LOMA DEL TORO CONTEST CLUB 5 1,390,535 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 5 1,256,943 KEYMEN'S CLUB 0F JAPAN 19 1,125,094 KEYMEN'S CLUB 19 1,125,094 KEYMEN'S	SK5LW ESKILSTUNA SANDAREAMATORER	6	1,/95,/33
CZECH CONTEST CLUB 9 1,595,948 VLADIMIR CONTEST GROUP 8 1,595,648 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 PCONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,105 LOMA DEL TORO CONTEST CLUB 5 1,390,535 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 5 1,256,943 KEYMEN'S CLUB 0F JAPAN 19 1,125,094 KEYMEN'S CLUB 19 1,125,094 KEYMEN'S	CHELTENHAM AMATEUR RADIO ASSOCIATIO	N8	1,764,019
CZECH CONTEST CLUB 9 1,595,948 VLADIMIR CONTEST GROUP 8 1,595,648 VLADIMIR CONTEST GROUP 8 1,522,723 NOVOSIBIRSK CONTEST CLUB 7 1,483,789 PCONTEST CLUB 7 1,483,789 DOMODEDOVO 8 1,449,105 LOMA DEL TORO CONTEST CLUB 5 1,390,535 SAYAN DX CLUB 7 1,390,326 CSM CLUJ-NAPOCA 6 1,376,436 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 5 1,256,943 KEYMEN'S CLUB 0F JAPAN 19 1,125,094 KEYMEN'S CLUB 19 1,125,094 KEYMEN'S	CT3 MADEIRA CONTEST TEAM	4	1.705.791
RADIO CLUB PARMA	CZECH CONTEST OLUB	ο.	1 505 024
NOVOSIBIRSK CONTEST CLUB	PADIO CLUB PADMA	4	1 505 649
NOVOSIBIRSK CONTEST CLUB	VI ADIMID CONTECT COOLID		1,555,040
SP CONTEST CLUB 7 1,483,789 DOMODEDDOVO 8 1,449,196 LOMA DEL TORO CONTEST CLUB 5 1,390,535 SAYAN DX CLUB 7 1,390,355 SAYAN DX CLUB 7 1,390,356 CSM CLU-NAPOCA 6 1,376,463 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 5 1,256,943 KEYMENS CLUB OF JAPAN 19 1,125,094 KEYMENS CLUB OF JAPAN 19 1,125,094 KEYMENS S 8 1,066,102 NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB 5 1,056,038 BESSARABIAN CONTEST CLUB 8 1,006,490 AUSTRIAN CONTEST CLUB 5 1,002,400 SPEKTR 4 997,400 BRACKNELL AMATEUR RADIO CLUB 5 993,236 OSNINSK GRU CLUB 11 918,252 SWINDON AND DISTRICT AMATEUR 7 865,238 KALININGRAD RADIO CLUB 5 830,203 KALININGRAD	VLADIMIR CONTEST GROUP	8	1,522,723
DOMODEDOVO 8 1,449,106 LOMA DEL TORO CONTEST CLUB 5 1,390,326 SAYAN DX CLUB 7 1,390,326 GSM CLUJ-NAPOCA 6 1,376,463 GRUPO DXXE 7 1,327,825 MEDITERRANEO DX CLUB 6 1,306,390 STAYROPOL REGION CONTEST CLUB 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KRIVBASS. 8 1,060,102 NEWBURY AND DISTRICT ARS 5 1,056,638 CW OPERATORS CLUB 5 1,052,645 SESSARABIAN CONTEST CLUB 5 1,002,400 SPEKTR 4 997,400 SPEKTR 4 997,400 RADIO CLUB 5 930,236 OBNINSK QRU CLUB 11 191,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 RADIO CLUB 7 865,238 KALININIGRADA PADIO CLUB 5 330,203 KILMARNOCK AND LOUDOUN ARC 5 782,961 SPETROLUL PLOIEST	NOVOSIBIRSK CONTEST CLUB	4	1,510,739
SAYAN DX CLUB. 7 , 1,390,326 CSM CLUJ-NAPOCA 6 1,376,483 GRUPO DXXE. 7 1,327,825 MEDITERRANEO DX CLUB. 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KEYMEN'S CLUB S 5 1,056,038 CW OPERATOR'S CLUB 5 1,056,038 CW OPERATOR'S CLUB 5 1,002,400 BASCANELL AMATEUR RADIO CLUB 5 993,236 OBNINSK ORU CLUB 5 11 1 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 198,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 198,252 SWINDON AND LOUDOUN ARC 5 782,961 GUARAN DAY GROUP 12 715,953 OREL RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 5 4 7,933 RADIO CLUB 6 7 5,764,240 CSM TIMISOARA 9 9,608,123 SMOLENSK CONTEST CLUB 4 588,227 UR-ORP-CLUB 7 5,744,41 CDR GROUP 15 5,70,423 CSM BISTRITA 4 518,157 CSM SISTRITA 5 44,165 BALATON RADIORAM TIMISOARA 9 488,37 CONTEST CLUB HARZ HEIDE 5 486,837 CKSGA W HISIOLU GSO BANAT TIMISOARA 9 488,37 CONTEST CLUB HARZ HEIDE 5 486,837 CKSGA W SISTRITA 5 5 324,547 MOSCOW RADIO CLUB 4 223,385 CSILVER FROX DEVA 6 285,648 BASHKORTOSTAN DX CLUB 5 393,322 VORONEZH RADIO CLUB 4 223,385 CSILVER FOX DEVA 6 285,648 BASHKORTOSTAN DX CLUB 5 194,326 SASH BASHKORTOSTAN DX CLUB 7 345,093 CSILVER FOX DEVA 6 285,648 BARTWIY DROUP OF BELARUS 5 324,547 MOSCOW RADIO CLUB 4 223,489 RTIY CONTEST CLUB 4 232,585 AGB ACTIVITY GROUP 7 5 346,676 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CT. TOTAL TIME TO THIS T	SP CONTEST CLUB	7	1,483,789
SAYAN DX CLUB. 7 , 1,390,326 CSM CLUJ-NAPOCA 6 1,376,483 GRUPO DXXE. 7 1,327,825 MEDITERRANEO DX CLUB. 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KEYMEN'S CLUB S 5 1,056,038 CW OPERATOR'S CLUB 5 1,056,038 CW OPERATOR'S CLUB 5 1,002,400 BASCANELL AMATEUR RADIO CLUB 5 993,236 OBNINSK ORU CLUB 5 11 1 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 198,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 198,252 SWINDON AND LOUDOUN ARC 5 782,961 GUARAN DAY GROUP 12 715,953 OREL RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 5 4 7,933 RADIO CLUB 6 7 5,764,240 CSM TIMISOARA 9 9,608,123 SMOLENSK CONTEST CLUB 4 588,227 UR-ORP-CLUB 7 5,744,41 CDR GROUP 15 5,70,423 CSM BISTRITA 4 518,157 CSM SISTRITA 5 44,165 BALATON RADIORAM TIMISOARA 9 488,37 CONTEST CLUB HARZ HEIDE 5 486,837 CKSGA W HISIOLU GSO BANAT TIMISOARA 9 488,37 CONTEST CLUB HARZ HEIDE 5 486,837 CKSGA W SISTRITA 5 5 324,547 MOSCOW RADIO CLUB 4 223,385 CSILVER FROX DEVA 6 285,648 BASHKORTOSTAN DX CLUB 5 393,322 VORONEZH RADIO CLUB 4 223,385 CSILVER FOX DEVA 6 285,648 BASHKORTOSTAN DX CLUB 5 194,326 SASH BASHKORTOSTAN DX CLUB 7 345,093 CSILVER FOX DEVA 6 285,648 BARTWIY DROUP OF BELARUS 5 324,547 MOSCOW RADIO CLUB 4 223,489 RTIY CONTEST CLUB 4 232,585 AGB ACTIVITY GROUP 7 5 346,676 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CT. TOTAL TIME TO THIS T	DOMODEDOVO	8	1.449.106
SAYAN DX CLUB. 7 , 1,390,326 CSM CLUJ-NAPOCA 6 1,376,483 GRUPO DXXE. 7 1,327,825 MEDITERRANEO DX CLUB. 5 1,256,943 KEYMEN'S CLUB OF JAPAN 19 1,125,094 KEYMEN'S CLUB S 5 1,056,038 CW OPERATOR'S CLUB 5 1,056,038 CW OPERATOR'S CLUB 5 1,002,400 BASCANELL AMATEUR RADIO CLUB 5 993,236 OBNINSK ORU CLUB 5 11 1 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 198,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 198,252 SWINDON AND LOUDOUN ARC 5 782,961 GUARAN DAY GROUP 12 715,953 OREL RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 4 7,933 RADIO CLUB 5 4 7,933 RADIO CLUB 6 7 5,764,240 CSM TIMISOARA 9 9,608,123 SMOLENSK CONTEST CLUB 4 588,227 UR-ORP-CLUB 7 5,744,41 CDR GROUP 15 5,70,423 CSM BISTRITA 4 518,157 CSM SISTRITA 5 44,165 BALATON RADIORAM TIMISOARA 9 488,37 CONTEST CLUB HARZ HEIDE 5 486,837 CKSGA W HISIOLU GSO BANAT TIMISOARA 9 488,37 CONTEST CLUB HARZ HEIDE 5 486,837 CKSGA W SISTRITA 5 5 324,547 MOSCOW RADIO CLUB 4 223,385 CSILVER FROX DEVA 6 285,648 BASHKORTOSTAN DX CLUB 5 393,322 VORONEZH RADIO CLUB 4 223,385 CSILVER FOX DEVA 6 285,648 BASHKORTOSTAN DX CLUB 5 194,326 SASH BASHKORTOSTAN DX CLUB 7 345,093 CSILVER FOX DEVA 6 285,648 BARTWIY DROUP OF BELARUS 5 324,547 MOSCOW RADIO CLUB 4 223,489 RTIY CONTEST CLUB 4 232,585 AGB ACTIVITY GROUP 7 5 346,676 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CSILVER FROX DEVA 6 285,648 BARTWIN DX TEAM 12 273,685 CT. TOTAL TIME TO THIS T	LOMA DEL TORO CONTEST CLUB	5	1 390 535
GRUPO DXXE 7, 1,327,825 MEDITERRANEO DX CLUB 6, 1,306,325 MEDYTERRANEO DX CLUB 5, 1,256,943 KEYMEN'S CLUB OF JAPAN 19, 1,125,094 KEYMEN'S CLUB OF JAPAN 19, 1,125,094 KEYMEN'S CLUB OF JAPAN 19, 1,125,094 KEYMEN'S CLUB OF JAPAN 5, 1,056,038 CW OPERATOR'S CLUB 5, 1,056,038 CW OPERATOR'S CLUB 5, 1,056,038 CW OPERATOR'S CLUB 8, 1,006,490 AUSTRIAN CONTEST CLUB 8, 1,006,490 AUSTRIAN CONTEST CLUB 5, 1,002,400 SPEKTR. 497,400 SPEKTR. 793,236 SOBNINSK GRU CLUB 5, 993,236 OBNINSK GRU CLUB 11, 1918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7, 865,238 KALININGRAD RADIO CLUB 7, 865,238 KALININGRAD RADIO CLUB 5, 830,203 KILMARNOCK AND LOUDOUN ARC 5, 782,961 SURINDON AND DISTRICT AMATEUR RADIO CLUB 1, 1918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 1, 1918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 4, 793,383 RADIO CLUB KVARNER RIJEKA 9, 706,424 CSM TIMISOARA 4, 649,650 GREL RADIO CLUB 4, 793,383 RADIO CLUB KVARNER RIJEKA 9, 706,424 CSM TIMISOARA 4, 649,650 SKGAW HISINGEN'S RADIOKLUBB 9, 608,123 SMOLENSK CONTEST CLUB 4, 588,227 UP-ORP-CLUB 7, 574,461 CDR GROUP 15, 570,423 CSM BISTRITA 4, 518,157 CENTRAL SIBERIA DX CLUB 5, 512,274 VOLYN CONTEST GROUP 11, 504,528 ADDIOCLUBUL GSO BANAT TIMISOARA 9, 488,379 CONTEST CLUB HARZ HEIDE 5, 486,837 CONTEST CLUB HARZ HEIDE 5, 246,474 MOSCOW RASTERAS RADIOKLUBB 7, 334,5092 DELTA JANDARMI ASOCIATION TULCEA 5, 324,547 MOSCOW RADIO CLUB 4, 223,489 ACTIVITY SMOLENSK GROUP 9, 384,172 TDR. 6, 373,553 ASSHKORTOSTAN DX CLUB 5, 293,322 VORONEZH RADIO CLUB 4, 223,489 ACTIVITY GROUP OF BELARUS 5, 223,322 VORONEZH RADIO CLUB 4, 223,489 ACTIVITY GROUP OF BELARUS 5, 224,547 MOSCOW RADIO CLUB 4, 223,489 ACTIVITY GROUP OF BELARUS 5, 224,547 MOSCOW RADIO CLUB 5, 514,246 OSTROW AMATEUR RADIO CLUB SP3POW 4, 152,610 DOLSK. 5172,489 CONTEST CLUB MIRRORLE CIUC 4, 176,598 AGB ACTIVITY GROUP OF BELARUS 5, 223,322 VORONEZH RADIO CLUB 5, 512,546 BASHKORTOSTAN DX CLUB 5, 512,546 OSTROW AMATEUR RADIO CLUB	CAVAN DV CLUB	7	1 200 226
GRUPO DXXE 7, 1,327,825 MEDITERRANEO DX CLUB 6, 1,306,325 MEDYTERRANEO DX CLUB 5, 1,256,943 KEYMEN'S CLUB OF JAPAN 19, 1,125,094 KEYMEN'S CLUB OF JAPAN 19, 1,125,094 KEYMEN'S CLUB OF JAPAN 19, 1,125,094 KEYMEN'S CLUB OF JAPAN 5, 1,056,038 CW OPERATOR'S CLUB 5, 1,056,038 CW OPERATOR'S CLUB 5, 1,056,038 CW OPERATOR'S CLUB 8, 1,006,490 AUSTRIAN CONTEST CLUB 8, 1,006,490 AUSTRIAN CONTEST CLUB 5, 1,002,400 SPEKTR. 497,400 SPEKTR. 793,236 SOBNINSK GRU CLUB 5, 993,236 OBNINSK GRU CLUB 11, 1918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7, 865,238 KALININGRAD RADIO CLUB 7, 865,238 KALININGRAD RADIO CLUB 5, 830,203 KILMARNOCK AND LOUDOUN ARC 5, 782,961 SURINDON AND DISTRICT AMATEUR RADIO CLUB 1, 1918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 1, 1918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 4, 793,383 RADIO CLUB KVARNER RIJEKA 9, 706,424 CSM TIMISOARA 4, 649,650 GREL RADIO CLUB 4, 793,383 RADIO CLUB KVARNER RIJEKA 9, 706,424 CSM TIMISOARA 4, 649,650 SKGAW HISINGEN'S RADIOKLUBB 9, 608,123 SMOLENSK CONTEST CLUB 4, 588,227 UP-ORP-CLUB 7, 574,461 CDR GROUP 15, 570,423 CSM BISTRITA 4, 518,157 CENTRAL SIBERIA DX CLUB 5, 512,274 VOLYN CONTEST GROUP 11, 504,528 ADDIOCLUBUL GSO BANAT TIMISOARA 9, 488,379 CONTEST CLUB HARZ HEIDE 5, 486,837 CONTEST CLUB HARZ HEIDE 5, 246,474 MOSCOW RASTERAS RADIOKLUBB 7, 334,5092 DELTA JANDARMI ASOCIATION TULCEA 5, 324,547 MOSCOW RADIO CLUB 4, 223,489 ACTIVITY SMOLENSK GROUP 9, 384,172 TDR. 6, 373,553 ASSHKORTOSTAN DX CLUB 5, 293,322 VORONEZH RADIO CLUB 4, 223,489 ACTIVITY GROUP OF BELARUS 5, 223,322 VORONEZH RADIO CLUB 4, 223,489 ACTIVITY GROUP OF BELARUS 5, 224,547 MOSCOW RADIO CLUB 4, 223,489 ACTIVITY GROUP OF BELARUS 5, 224,547 MOSCOW RADIO CLUB 5, 514,246 OSTROW AMATEUR RADIO CLUB SP3POW 4, 152,610 DOLSK. 5172,489 CONTEST CLUB MIRRORLE CIUC 4, 176,598 AGB ACTIVITY GROUP OF BELARUS 5, 223,322 VORONEZH RADIO CLUB 5, 512,546 BASHKORTOSTAN DX CLUB 5, 512,546 OSTROW AMATEUR RADIO CLUB	SATAN DA CLUB	/	1,390,320
KHIVBASS 8 1,060,102 NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 ESSARABIAN CONTEST CLUB. 8 1,006,490 AUSTRIAN CONTEST CLUB. 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB. 5 993,236 OBNINSK ORU CLUB. 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB. 7 865,238 KALININGRAD RADIO CLUB. 5 330,203 KILMARNOCK AND LOUDOUN ARC. 5 782,961 CS PETROLUL PLOIESTI. 9 720,619 GUARA DX GROUP. 12 715,953 OREL RADIO CLUB. 4 779,338 ADIO CLUB KVARNER RIJEKA. 9 766,424 CSM TIMISOARA. 4 649,650 SKGAW HISINGENS RADIOKLUBB. 9 608,123 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 7574,641 CSP GROUP. 15 570,423 CSM BISTRITA. 4 518,157 CENTRAL SIBERIA DX CLUB. 5 512,247 VOLYN CONTEST GROUP. 11 504,528 RADIO CLUB HARZ HEIDE. 5 486,837 CONTEST CLUB HARZ HEIDE. 5 332,4547 MOSCOW RADIO CLUB. 4 322,958 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 CONTEST CLUB MIRCUREA. 5 393,522 VORONEZH RADIO CLUB. 4 223,489 RTHY CONTESTERS OF JAPAN 7 204,413 KOREA CONTEST CLUB MIRCUREA. 5 194,326 UPPSALA RADIOCLUB 5 194,326 U	CSM CLUJ-NAPOCA	6	1,376,463
KHIVBASS 8 1,060,102 NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 ESSARABIAN CONTEST CLUB. 8 1,006,490 AUSTRIAN CONTEST CLUB. 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB. 5 993,236 OBNINSK ORU CLUB. 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB. 7 865,238 KALININGRAD RADIO CLUB. 5 330,203 KILMARNOCK AND LOUDOUN ARC. 5 782,961 CS PETROLUL PLOIESTI. 9 720,619 GUARA DX GROUP. 12 715,953 OREL RADIO CLUB. 4 779,338 ADIO CLUB KVARNER RIJEKA. 9 766,424 CSM TIMISOARA. 4 649,650 SKGAW HISINGENS RADIOKLUBB. 9 608,123 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 7574,641 CSP GROUP. 15 570,423 CSM BISTRITA. 4 518,157 CENTRAL SIBERIA DX CLUB. 5 512,247 VOLYN CONTEST GROUP. 11 504,528 RADIO CLUB HARZ HEIDE. 5 486,837 CONTEST CLUB HARZ HEIDE. 5 332,4547 MOSCOW RADIO CLUB. 4 322,958 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 CONTEST CLUB MIRCUREA. 5 393,522 VORONEZH RADIO CLUB. 4 223,489 RTHY CONTESTERS OF JAPAN 7 204,413 KOREA CONTEST CLUB MIRCUREA. 5 194,326 UPPSALA RADIOCLUB 5 194,326 U	GRUPO DXXE	7	1,327,825
KHIVBASS 8 1,060,102 NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 ESSARABIAN CONTEST CLUB. 8 1,006,490 AUSTRIAN CONTEST CLUB. 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB. 5 993,236 OBNINSK ORU CLUB. 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB. 7 865,238 KALININGRAD RADIO CLUB. 5 330,203 KILMARNOCK AND LOUDOUN ARC. 5 782,961 CS PETROLUL PLOIESTI. 9 720,619 GUARA DX GROUP. 12 715,953 OREL RADIO CLUB. 4 779,338 ADIO CLUB KVARNER RIJEKA. 9 766,424 CSM TIMISOARA. 4 649,650 SKGAW HISINGENS RADIOKLUBB. 9 608,123 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 7574,641 CSP GROUP. 15 570,423 CSM BISTRITA. 4 518,157 CENTRAL SIBERIA DX CLUB. 5 512,247 VOLYN CONTEST GROUP. 11 504,528 RADIO CLUB HARZ HEIDE. 5 486,837 CONTEST CLUB HARZ HEIDE. 5 332,4547 MOSCOW RADIO CLUB. 4 322,958 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 CONTEST CLUB MIRCUREA. 5 393,522 VORONEZH RADIO CLUB. 4 223,489 RTHY CONTESTERS OF JAPAN 7 204,413 KOREA CONTEST CLUB MIRCUREA. 5 194,326 UPPSALA RADIOCLUB 5 194,326 U	MEDITERRANEO DX CLUB	6	1,306,390
KHIVBASS 8 1,060,102 NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 ESSARABIAN CONTEST CLUB. 8 1,006,490 AUSTRIAN CONTEST CLUB. 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB. 5 993,236 OBNINSK ORU CLUB. 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB. 7 865,238 KALININGRAD RADIO CLUB. 5 330,203 KILMARNOCK AND LOUDOUN ARC. 5 782,961 CS PETROLUL PLOIESTI. 9 720,619 GUARA DX GROUP. 12 715,953 OREL RADIO CLUB. 4 779,338 ADIO CLUB KVARNER RIJEKA. 9 766,424 CSM TIMISOARA. 4 649,650 SKGAW HISINGENS RADIOKLUBB. 9 608,123 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 7574,641 CSP GROUP. 15 570,423 CSM BISTRITA. 4 518,157 CENTRAL SIBERIA DX CLUB. 5 512,247 VOLYN CONTEST GROUP. 11 504,528 RADIO CLUB HARZ HEIDE. 5 486,837 CONTEST CLUB HARZ HEIDE. 5 332,4547 MOSCOW RADIO CLUB. 4 322,958 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 CONTEST CLUB MIRCUREA. 5 393,522 VORONEZH RADIO CLUB. 4 223,489 RTHY CONTESTERS OF JAPAN 7 204,413 KOREA CONTEST CLUB MIRCUREA. 5 194,326 UPPSALA RADIOCLUB 5 194,326 U	STAVROPOL REGION CONTEST CLUB	5	1.256.943
KHIVBASS 8 1,060,102 NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 CW OPERATORS CLUB. 5 1,056,038 ESSARABIAN CONTEST CLUB. 8 1,006,490 AUSTRIAN CONTEST CLUB. 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB. 5 993,236 OBNINSK ORU CLUB. 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB. 7 865,238 KALININGRAD RADIO CLUB. 5 330,203 KILMARNOCK AND LOUDOUN ARC. 5 782,961 CS PETROLUL PLOIESTI. 9 720,619 GUARA DX GROUP. 12 715,953 OREL RADIO CLUB. 4 779,338 ADIO CLUB KVARNER RIJEKA. 9 766,424 CSM TIMISOARA. 4 649,650 SKGAW HISINGENS RADIOKLUBB. 9 608,123 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 7574,641 CSP GROUP. 15 570,423 CSM BISTRITA. 4 518,157 CENTRAL SIBERIA DX CLUB. 5 512,247 VOLYN CONTEST GROUP. 11 504,528 RADIO CLUB HARZ HEIDE. 5 486,837 CONTEST CLUB HARZ HEIDE. 5 332,4547 MOSCOW RADIO CLUB. 4 322,958 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 BASHKORTOSTAN DX CLUB. 7 345,092 DELTA JANDARMI ASOCIATION TULCEA. 5 324,547 MOSCOW RADIO CLUB. 4 223,489 CONTEST CLUB MIRCUREA. 5 393,522 VORONEZH RADIO CLUB. 4 223,489 RTHY CONTESTERS OF JAPAN 7 204,413 KOREA CONTEST CLUB MIRCUREA. 5 194,326 UPPSALA RADIOCLUB 5 194,326 U	KEVMENIS CITIB OF INDAN	10	1 125 004
NEWBURY AND DISTRICT ARS 5 1,056,038 CW OPERATORS CLUB 5 1,056,045 BESSARABIAN CONTEST CLUB 8 1,006,490 AUSTRIAN CONTEST CLUB 5 1,002,400 PECKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB 5 993,236 OBNINSK ORU CLUB 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 865,238 KALININGRAD RADIO CLUB 5 830,203 KILMARNOCK AND LOUDOUN ARC 5 R29,961 CS PETROLU PLOIEST 9 720,619 GUARDAD AND AND AND AND AND AND AND AND AND	KDIVDACC	10	1,000,100
GW OPERATORS CLUB. 5 1,052,645 BESSARABIAN CONTEST CLUB. 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB. 5 939,326 OBNINSK GRU CLUB. 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB. 7 865,238 KALININGRAD RADIO CLUB. 5 330,203 KALININGRAD RADIO CLUB. 5 380,203 KALININGRAD RADIO CLUB. 5 782,961 CS PETROLUL PLOIESTI. 9 720,619 GUARA DX GROUP 12 715,953 OREL RADIO CLUB. 4 709,333 ARDIO CLUB KVARNER RILEKA. 9 706,424 CSM TIMISOARA. 4 649,650 SKGAW HISINGENS RADIOKLUBB. 9 608,123 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 570,423 SMOLENSK CONTEST CLUB. 4 588,227 UR-ORP-CLUB. 7 570,423 CSM BISTRITA. 4 518,157 <td>KHIVBASS</td> <td>8</td> <td>1,060,102</td>	KHIVBASS	8	1,060,102
BESSARABIAN CONTEST CLUB 8 1,006,490 AUSTRIAN CONTEST CLUB 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB 5 993,236 OBNINSK GRU CLUB 11 918,252 SWINDON AND DISTRICT AMATEUR 7 865,238 KALININGRAD RADIO CLUB 7 865,238 KALININGRAD RADIO CLUB 5 830,203 KILMARNOCK AND LOUDOUN ARC 5 782,961 GUARA DX GROUP 12 715,953 OREL RADIO CLUB 4 709,383 RADIO CLUB KVARNER RIJEKA 9 706,424 CSM TIMISOARA 4 649,650 SMOLENSK CONTEST CLUB 4 588,227 UR-ORP-CLUB 7 574,641 CDR GROUP 15 570,423 CSM BISTRITA 4 518,157 CDR GROUP 15 570,423 CSW BISTRITA 4 518,157 CONTEST CLUB HARZ HEIDE 5 512,274 VOLVN CONTEST GROUP	NEWBURY AND DISTRICT ARS	5	1,056,038
AUSTRIAN CONTEST CLUB 5 1,002,400 SPEKTR. 4 997,400 BRACKNELL AMATEUR RADIO CLUB 5 993,236 OBNINSK QRU CLUB 11 918,252 SWINDON AND DISTRICT AMATEUR RADIO CLUB 7 865,238 KALININGRAD RADIO CLUB 5 330,203 KILMARNAGN AND DISTRICT AMATEUR RADIO CLUB 5 330,203 KILMARNAGN AND LOUDOUN ARC 5 782,961 CS PETROLUL PLOIESTI 9 720,619 12 715,953 OREL RADIO CLUB 4 709,338 ARDIO CLUB WARRER RIJEKA 9 706,424 CSM TIMISOARA 4 649,650 SKGAW HISINGENS RADIOKLUBB 9 608,123 SMOLENSK CONTEST CLUB 4 588,227 UR-QRP-CLUB 7 7574,641 CSM GROUP 15 570,423 CSM BISTRITA. 4 518,157 CENTRAL SIBERIA DX CLUB 5 512,247 VOLYN CONTEST GROUP 11 504,528 RADIOCUBUL QSO BANAT TIMISOARA 9 488,379 CONTEST CLUB HARZ HEIDE 5 486,837 SKSAA VASTERAS RADIOKLUBB 4 57,299 CONTEST CLUB HARZ HEIDE 5 486,837 CONTEST CLUB 6 435,116 CONTEST CLUB 7 7 345,092 CONT	CW OPERATORS CLUB	5	1,052,645
SWINDON AND DISTRICT AMATEUR RADIO CLUB	BESSARABIAN CONTEST CLUB	8	1,006,490
SWINDON AND DISTRICT AMATEUR RADIO CLUB	AUSTRIAN CONTEST CLUB	5	1.002.400
SWINDON AND DISTRICT AMATEUR RADIO CLUB	SDEKTD	4	007 400
SWINDON AND DISTRICT AMATEUR RADIO CLUB	DDACKNELL AMATEUD DADIO CLUB		000,000
SWINDON AND DISTRICT AMATEUR RADIO CLUB	BRACKNELL AMATEUR RADIO CLUB	5	993,236
SWINDON AND DISTRICT AMATEUR RADIO CLUB	OBNINSK QRU CLUB	11	918,252
RADIO CLUB 7, 865,238 KALININGRAD PADÍO CLUB. 5, 830,203 KILMARNOCK AND LOUDOUN ARC 5, 782,961 CS PETROLUL PLOIESTI. 9, 720,619 GUARA DX GROUP. 12, 715,953 OREL RADÍO CLUB 4, 709,338 ARDÍO CLUB KVARNER RIJEKA. 9, 706,424 CSM TÍMISOARA. 4, 649,650 SKGAW HISINGENS RADIOKLUBB 9, 608,123 SMOLENSK CONTEST CLUB 4, 588,227 UR-ORP-CLUB 7, 7574,641 CSM GROUP. 15, 570,423 CSM BISTRITA. 4, 518,157 CENTRAL SIBERIA DX CLUB 5, 511,247 VOLYN CONTEST GROUP. 11, 504,528 RADÍOCLUBUL QSO BANAT TIMISOARA. 9, 488,37 CONTEST CLUB HARZ HEIDE 5, 486,837 CONTEST CLUB CHARZ HEIDE 5, 486,837 CONTEST CLUB CHARZ HEIDE 5, 486,837 CONTEST CLUB HARZ HEIDE 5, 486,837 CONTEST CLUB HARZ HEIDE 5, 486,837 CONTEST CLUB CHARZ HEIDE 5, 486,837 CONTEST CLUB HARZ HEIDE 5, 486,837 CONTEST CLUB 6, 435,116 CHARTON AND CLUB 7, 436,102 CHARTON AND CLUB 7,			
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KILMANOCK AND LOUDOUN ARC 5 (92.961) KILMANOCK AND LOUDOUN ARC 5 PETROLU PLOIEST 9 720,619 GUARA DX GROUP 12 715,953 GNEL RADIO CLUB 4 709,383 RADIO CLUB KVARNER RIJEKA 9 706,424 CSM TIMISOARA 4 649,650 SKGAW HISINGENS RADIOKLUBB 9 968,123 SMOLENSK CONTEST CLUB 4 588,227 UR-ORP-CLUB 7, 574,641 CDR GROUP 15 5 70,423 CSM BISTRITA 4 518,157 CENTRAL SIBERIA DX CLUB 5 512,274 VOLYN CONTEST GROUP 11 504,528 RADIOCLUBUL QSO BANAT TIMISOARA 9 488,379 CONTEST CLUB HARZ HEIDE 5 486,837 SKSAA VASTERAS RADIOKLUBB 4 457,299 ACTIVITY SMOLENSK GROUP 6 454,165 BALATON RADIOAMATEUR DX CLUB 6 373,593 BASHKORTOSTAN DX CLUB 7 345,092 ELTA JANDARMI ASOCIATION TULCEA 5 324,547 MOSCOW RADIO CLUB 4 322,988 AGB ACTIVITY GROUP OF BELARUS 5 293,322 VORONEZH RADIO CLUB 4 226,933 SC SILVER FROX DE A 4 223,888 AGB ACTIVITY GROUP OF BELARUS 5 293,322 VORONEZH RADIO CLUB 4 226,933 SC SILVER FROX DEVA 6 286,648 BARIVM DX TEAM 12 273,685 TULA RADIO CLUB 4 223,685 TULA RADIO CLUB 5 194,326 BASHKORTOSTEN DE A 4 223,489 RTY CONTEST CLUB HEROW 5 194,326 BASHKORTOSTEN DE A 4 223,685 TULA RADIO CLUB 5 194,326 BASHKORTOSTEN DE A 4 232,988 BASHKORTOSTEN DE A 4 232,988 AGB ACTIVITY GROUP OF BELARUS 5 293,322 VORONEZH RADIO CLUB 4 223,685 TULA RADIO CLUB 5 194,326 BASHKORTOSTEN DE A 4 232,988 BASHKORTOSTEN DE A 4 322,988 BASHKORTOSTAN DE A 4 325,989 BASHKORTOSTAN DE A 4 3	KALININGRAD BADIO CLUB	5	830 203
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GUARA DX GROUP 12 715,953 OREL RADIO CLUB			
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CSM TIMISOARA 4 649,650 SKGAW HISINGENS RADIOKLUBB 9 608,123 SMOLENSK CONTEST CLUB 4 588,227 UR-QRP-CLUB 7 574,641 CDR GROUP 15 570,423 CSM BISTRITA 4 518,157 CENTRAL SIBERIA DX CLUB 5 512,247 VOLYN CONTEST GROUP 11 504,528 RADIOCLUBUL QSO BANAT TIMISOARA 9 488,377 CONTEST CLUB HARZ HEIDE 5 486,837 SK5AA VASTERAS RADIOKLUBB 4 457,299 ACTIVITY SMOLENSK GROUP 6 454,165 BALATON RADIOAMATEUR DX CLUB 6 435,116 CHILEAN PACIFIC DX GROUP 9 384,172 TDR 6 373,593 BASHKORTOSTAN DX CLUB 7 345,092 DELTA JANDARMI ASOCIATION TULCEA 5 324,547 MOSCOW RADIO CLUB 4 322,958 AGB ACTIVITY GROUP OF BELARUS 5 293,322 VORONEZH RADIO CLUB 4 286,933	RADIO CLUB KVARNER RIJEKA	9	706.424
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CDR GROUP	SMOLENSK CONTEST CLUB	4	588,227
CDR GROUP	UR-QRP-CLUB	7	574,641
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EDIT 14	OSTROW AMATEUR RADIO CLUB SP3POW	4	152,610
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*Club entry does not meet all rules.

opening, multiplier, or chance for rate can be missed. The gold standard for this category has been the CN8WW operation from 1999 with a score that was hard to imagine would ever again be reached. A team of operators from Moscow and Kaliningrad took on the goal of chasing this record by building a station on the coast of Morocco. CN2AA is the new multi-multi champion and world record holder with a fantastic score of over 73 million points — 23,459 contacts, 217 zones, and 858 country multipliers. Wow!

Remember the Voo Dudes who used to travel to Africa each year? They visited 9K2HN this time and enjoyed the luxury of not having to find a hotel and build the station completely from scratch. They put their operating skills to use and managed to break the Asian record set by A61AJ back in 1999 by just 150,000 points. 9A1A took the European title over rivals DR1A and LZ9W.

The multi-multi competition in the U.S. featured four teams that exceeded 30 million points. The winner once again, and breaking their U.S. record from one year ago, was K3LR from western Pennsylvania. Second place went to the ops at W3LPL, competing in their 36th consecutive multi-multi entry in CQ WW CW. W2FU and WE3C both showed signs that they are on the way up and starting to challenge the traditional leaders.

Not every multi-multi has giant antennas. The five operators at 3B8MU rented a house close to the beach. On a piece of land not bigger than 35 by 35 feet, they squeezed in their antenna farm consisting of: An 18-meter Spiderbeam pole supporting two parallel inverted Ls for the low bands, a 12-meter Spiderbeam pole holding a 40-meter vertical, another 12-meter Spiderbeam pole supporting a 20-meter vertical dipole array, and smaller light poles supporting vertical dipole arrays on 15 and 10 meters. They handed out the zone 39 multiplier for over 10,000 QSOs with this simple setup.

Final Thoughts

There were some notable disqualifications this time as we continue to refine our tools for detecting stations that may be using the DX Cluster or RBN network without claiming Assisted. We had our first disqualification due to poor signal quality. This action was based on written complaints from other participants with confirmation using the SDR recordings we make of every band. We are pleased to see that most stations are identifying more often in accordance with the guidance given in the rules.

This CQ WW represents the final contest entries for some giants of contesting. We were sad to see Carl, Al6V; Frank, 9Y4VU; Dick, KB1H; and Lou, PAØLOU, all become silent keys in the few months after the contest.

The project to build an online searchable database of all entries in the CQ WW SSB and CW Contests since the beginning in 1948 is complete. Visit http://www.cqww.com/score_db.htm to search for any call and see where it has appeared in CQ WW history. Do a search for the calls of silent keys mentioned above and you will quickly appreciate why we will miss them.

We will close with this statement from LA8OM that captures the magic of CQ WW: "This contest is the perfect excuse for a late autumn ego trip to my den in the hills. It is a thrill to be here in the complete dark at kilometers distance from the closest human and know you are there, right in the middle of this great simultaneous global CW action."

We look forward to seeing everyone again in a few months for the next CQ WW DX CW Contest on November 28-29, 2015. Full rules, records, and other information are available on the Web at <www.cqww.com>.





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